New York City Department of Health and Mental Hygiene
Agency for Toxic Substances and Disease Registry

World Trade Center Health Registry

Data File User's Manual

April 2006

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RTI Project Number 08692
Contract No. 200-2002-M-00836

Contact Instructions and Suggested Citation

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Suggested Citation:
RTI International, New York City Department of Health and Mental Hygiene, and the Agency for Toxic Substances and Disease Registry. World Trade Center Health Registry: Data File User's Manual. Paul Pulliam, Lisa Thalji, Laura DiGrande, Megan Perrin, Deborah Walker, Melissa Dolan, Suzanne Triplett, Elizabeth Dean, Eric Peele, Robert Brackbill. New York, New York: April 2006.

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Chapter 1: Introduction

1.　Overview of the Data File User's Manual

This manual provides documentation to familiarize data users with the design, methodology, data collection, and data processing of the World Trade Center Health Registry (WTCHR). Following this introductory chapter, Chapter 2 summarizes the instrument development process and content. Chapter 3 details the approach used to recruit the WTCHR cohort. Chapter 4 covers the methods used to collect data from registrants and the results of the data collection effort. Chapter 5 describes how data were processed, and Chapter 6 guides data users through key elements of using the data file, including questionnaire flags, indicators, and derived variables. Appendix A provides the baseline questionnaire, and Appendix B provides the baseline codebook and details of derived variables.

Data reported in this manual reflect the WTCHR questionnaire data files as of November 2005. The following two RTI reports, cleared through the ATSDR technical review process, present methodological and statistical details beyond the scope of this manual:

- *Sample Building and Denominator Estimation*

- *Explanation and Calculation of Outcome Rates*

These reports are expected to be posted to the WTCHR website (www.wtcregistry.org) in early 2006. For more information please contact the WTCHR Principal Investigator.

1.1　Overview of the World Trade Center Health Registry (WTCHR)

Immediately following the World Trade Center (WTC) terrorist attacks of September 11, 2001, the New York City Department of Health and Mental Hygiene (NYC DOHMH) and other environmental health experts became concerned about several potential health issues of the exposed populations. First, it was not immediately known what environmental toxins were released from the collapsed buildings and ensuing fires, and how such toxins or irritants would affect the health of residents and office workers in the vicinity, and first responders. Second, there was equal concern about the mental health needs of the population attacked as well as those responding to the disaster. Additionally, there were concerns about the injuries suffered by survivors and responders.

The NYC DOHMH proposed that a registry of persons exposed to the dust, airborne particulates, and fumes from the fires and the events of 9/11/2001 was necessary to document the populations' post-9/11/2001 baseline physical health and mental health status, and would be an investment in researchers' ability to understand any long term health effects of the disaster and its aftermath. In January 2002, NYC DOHMH drafted a protocol for a WTCHR and submitted a request for funding to the Centers for Disease Control and Prevention (CDC). The federal Agency for Toxic Substances and Disease Registry (ATSDR) consulted with NYC DOHMH and contributed its extensive experience in developing protocols for health investigations of populations exposed to toxic substances. NYC DOHMH and ATSDR worked collaboratively to finalize the protocol for the WTCHR. In July 2002, ATSDR secured funding from the Federal Emergency Management Agency (FEMA) for the initiation of the WTCHR.

Registries have been used for over 30 years to study the extent of health problems from exposures to environmental contamination and disasters. A registry, unlike most epidemiological studies, allows

participation of all exposed persons willing to enroll. Registries can enable long-term evaluation of health effects, and subjects for more structured studies may be selected from the registry cohort.

After careful planning and expert consultation on the development of the scientific approach, the WTCHR began data collection on September 5, 2003. Data collection continued through November 20, 2004. Over 71,000 persons were enrolled in the WTCHR.

Health and behavioral re-surveys of the population will be conducted periodically (approximately every 2-3 years), and registrant records will be matched periodically to death and cancer registries and to hospitalization records.

1.2   Objectives and Design

The World Trade Center Health Registry was established so that health experts can systematically evaluate the long-term health consequences of the attacks of 9/11/2001, inform those individuals at risk, and improve preparedness for future emergencies. The WTCHR has a number of features that make it a unique resource for health experts around the country who wish to conduct additional studies involving carefully selected sub-populations from the WTCHR and, where appropriate, that include physical exams and laboratory tests.

Features of the WTCHR include:

- A large, diverse population (> 71,000 enrollees) of whom 91% consented at the time of enrollment to be contacted in the future about 9/11/2001-related studies
- Inclusion of groups not well studied by others
- Accessibility to outside researchers
- A large proportion of enrollees provided email addresses
- Availability of comprehensive denominator and coverage information
- Comparison data available for NYC residents.

The WTCHR is designed to:

- identify and register individuals who were within close proximity of the disaster on 9/11/2001, or who lived, worked or attended school near the disaster, or who worked or volunteered at the WTC site, at the Staten Island Recovery Operations, or on the barges transporting WTC materials;

- assess the occurrence of acute injuries, acute respiratory problems, and chronic or long-term health and mental health effects associated with exposure to the events of 9/11/2001 or its aftermath;

- follow registrants over time to determine whether there is an increase in the development of significant health problems, such as respiratory ailments, work-related disabilities, or mental health outcomes;

- generate hypotheses for future and follow-up studies;

- provide a source for selection of individuals for other scientifically relevant studies;

- plan and target public information and health education in relation to the WTC disaster and its aftermath; and

- provide information that will be useful for devising preventive measures to reduce injuries and fatalities and informing public policy in future natural or human-made events.

1.2.1 Populations Included in the World Trade Center Health Registry

To achieve these objectives, target populations were selected for the WTCHR based on the following criteria: exposure to the actual event; exposure to the immediate aftermath of the attack; ongoing exposures related to rescue, recovery and clean-up of the WTC site or living, working, or attending school in the lower Manhattan area. The World Trade Center Health Registry targeted the following populations that met the exposure criteria described above:

1. **Workers and volunteers involved in rescue, recovery, clean-up, or other disaster-related activities at the WTC site and/or at the Staten Island Recovery Operations or on transport barges for at least one shift anytime from September 11, 2001 through June 30, 2002:** Workers at the WTC disaster site may have been exposed to potentially toxic contaminants at levels sometimes exceeding regulatory limits and with unknown synergistic effects; faced risks of physical injury from falls, burns and other safety hazards; and have experienced trauma from the loss of colleagues and other disturbing experiences. At the Staten Island Recovery Operations or on the barges transporting materials, workers may have also been exposed to potentially toxic contaminants at levels exceeding regulatory limits in the course of their work of sifting or moving materials, including remains, from the WTC disaster site. ***Throughout this manual, we refer to this sample type as "workers and volunteers."***

2. **Persons whose primary residence was south of Canal Street on September 11, 2001:** Residents, including adults and children, of lower Manhattan on September 11, 2001 whose primary residence was close to the disaster site may have had an increased risk of exposure to potentially toxic contaminants if they were at home at any time between September 11, 2001 and December 31, 2001. Many residents were also displaced from their homes, had concerns about toxic exposures, and had potential exposure to traumatic events and/or rescue and clean-up efforts. ***Throughout this manual, we refer to this sample type as "residents."***

3. **Students who were enrolled in a nursery school/daycare, elementary, middle, or high school south of Canal Street on September 11, 2001 and staff persons employed in a nursery school/daycare, elementary, middle, or high school south of Canal Street on September 11, 2001:** Many students and school staff associated with schools (pre-K-12) south of Canal Street were near a cloud of dust and debris, had to be evacuated, were exposed to the fumes and particulate material of the fire, or were potentially exposed to traumatic events. Many staff who were employed in a school south of Chambers Street on September 11, 2001 were already eligible for the WTCHR as building occupants, people in transit, or pedestrians south of Chambers Street. Similarly, many staff in schools north of Chambers Street were eligible as people in transit or pedestrians south of Chambers Street (if they were on their way to work and were at some point during their commute south of Chambers Street anytime between the time of the first plane impact and noon on September 11, 2001). Because WTCHR staff attempted to enroll children in all schools (preK-12th grades) south of Canal Street, it was deemed appropriate to also attempt to enroll all staff in schools (preK-12th grades) south of Canal Street. ***Throughout this manual, we refer to this sample type as "students and school staff" and as "students and staff."***

4. **Persons present south of Chambers Street in Manhattan on September 11, 2001 any time between the first plane impact and noon (this includes persons who were in collapsed or damaged buildings, people in other buildings, and people in transit or outdoors):**

Occupants in buildings, and people in transit or pedestrians in and near the WTC on the morning of September 11, 2001 had a high risk of potential or actual injury from burns, falling or exploding debris, glass, and trampling; exposure to a variety of potentially toxic contaminants; and potential exposure to traumatic events. ***Throughout this manual we refer to this sample type as "building occupants, people in transit, and pedestrians" and "building occupants."***

Among the 71,437 registrants who completed interviews, approximately 25% are eligible in more than one of the sample types above. Each registrant completing an interview was placed in one or more of the four sample types based on his or her responses. The four sample types were ranked and registrants were assigned to the highest ranked sample type for which they were eligible. The order of sample types in the ranking was: workers and volunteers; residents; students and school staff; and building occupants. Sample types with the highest potential for continuing exposure were ranked the highest (i.e., workers and residents), whereas sample types that had substantial overlap with other sample types were ranked lower (i.e., many students were also residents).

The four sample types are divided into two groups. Group 1 is considered higher priority because they are among those considered to be the most highly exposed to the environmental effects of the disaster and generally consist of those individuals in greatest physical proximity to the WTC site either on September 11, 2001 or during the subsequent clean-up. Group 1 consists of all workers and volunteers involved in rescue, recovery, or clean-up at the WTC site, the Staten Island Recovery Operations, or on the barges for at least one shift any time between September 11, 2001 and June 30, 2002; people whose primary residence was south of Chambers Street on September 11, 2001; students and school staff enrolled or employed in schools or day cares south of Canal Street on September 11, 2001; and persons working in one of the 35 buildings or the 3 structures damaged or destroyed on September 11, 2001. Group 2 consists of people whose primary residence was south of Canal Street but north of Chambers Street on September 11, 2001; and building occupants, people in transit, or pedestrians who were south of Chambers Street on September 11, 2001, but not in the 35 damaged or destroyed buildings or the 3 damaged or destroyed structures on September 11, 2001. ***Figure 1*** shows a map of lower Manhattan with the Chambers Street and Canal Street boundaries identified in relation to the WTC site and the location of the 35 damaged or destroyed buildings and the 3 damaged or destroyed structures. The damaged structures include the Winter Garden, North Bridge, and South Bridge.

Figure 1: Map of Target Area for World Trade Center Health Registry
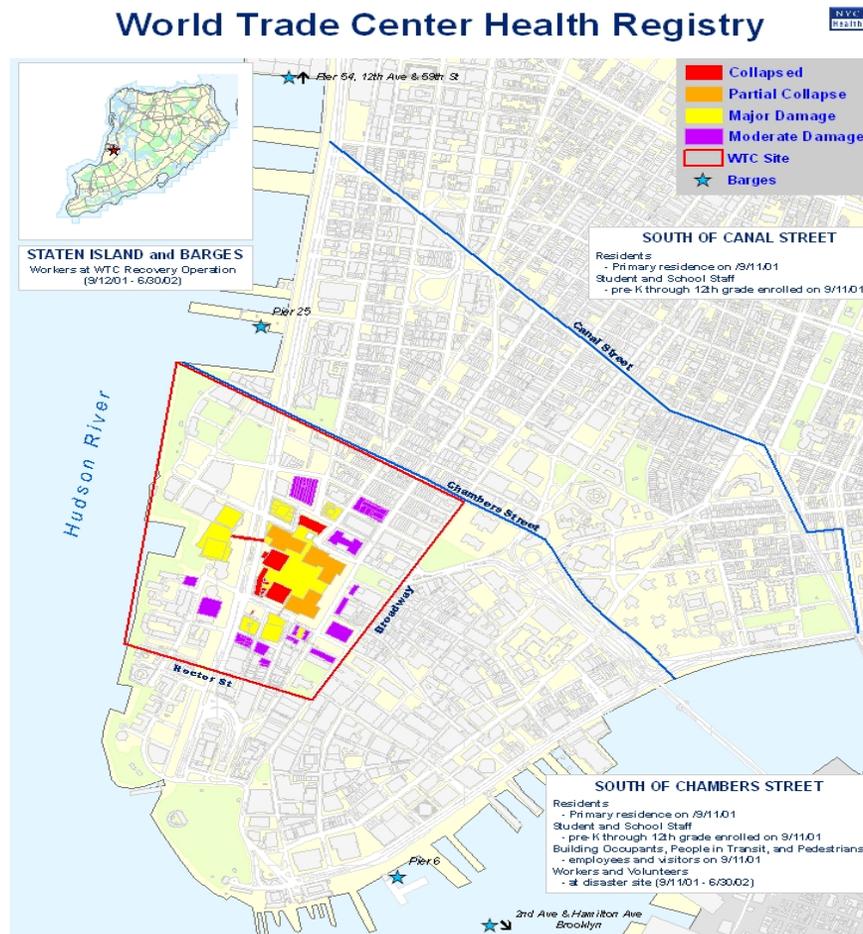
1.2.2 Populations Excluded from the World Trade Center Health Registry

The World Trade Center Health Registry excludes the following populations:

1. **Persons who perished on September 11, 2001 as a result of the attacks:**
   The primary goal of the WTCHR is to assess the long-term physical and mental health of survivors of the WTC disaster, responders and people who lived or attended school near the WTC site.

2. **Persons who were employed south of Chambers Street on September 11, 2001 but who were not present on the morning of September 11, 2001 between the time of the first plane impact and noon:**
   A priority of the WTCHR is to include populations that had the highest likelihood of being exposed to either the psychological trauma of the disaster or to materials released by the plane crashes and building attacks. Many people who were south of Chambers Street on the morning of September 11, 2001 experienced enveloping dust and debris clouds after the buildings collapsed as well as the trauma of seeing people killed or injured and subsequent evacuation. It is recognized that people who were not present on September 11, 2001 and who returned to their place of work south of Chambers Street after September 11, 2001 were exposed to smoke and fumes. However, these persons did not have the range of exposures that other eligibility groups had.

3. **Spouses and children of persons who perished on September 11, 2001 as a result of the attacks:**
    We recognize the additional anguish and potential mental health effects for families of those who were killed on September 11, 2001. However, the primary goal of the WTCHR is to assess the impact on populations that were exposed to the physical as well as the psychological elements of the disaster. Some studies and remediation efforts were initiated soon after the disaster focusing on these highly vulnerable individuals, including, for instance, studies on the emotional and psychological impact of the WTC disaster on children (Hoven et al, 2005).

4. **Persons who live or work outside of lower Manhattan who were exposed to dust clouds and fumes resulting from the WTC disaster:**
    Data suggest that lower Manhattan was the area most heavily affected by the events of September 11, 2001, in terms of both physical and mental health exposures. The WTCHR did not enroll persons outside of lower Manhattan who were exposed to dust clouds and fumes resulting from the disaster primarily due to limitations of resources. Information about the effects of exposure on those populations in lower Manhattan that had the highest exposure to the events of September 11, 2001 may be generalized to other populations who also may have been exposed to the dust clouds and fumes, but exposed to a lesser degree.

1.3   Guidelines for External Researchers

Researchers may submit an application to request WTCHR de-identified data or request DOHMH to send information to WTCHR enrollees about participating in their study. Guidelines for External Researchers, including an application, are available on the NYC DOHMH WTCHR website: http://www.wtcregistry.org. Researchers may also contact the NYC DOHMH WTCHR program directly at (212) 442-1585.

Chapter 2: Instrumentation

2.   Instrumentation

The data collection instrument for the WTCHR survey is designed to determine eligibility of potential registrants; to collect baseline data on exposure, and physical and mental health; and to collect demographic and contact information. The instrument accommodates both inbound calls from and outbound calls to potential registrants. An abbreviated version of the survey was used for eligibility screening purposes during high-volume inbound call situations. Callers screened during high volume call periods and determined to be eligible were called back for a complete interview.

The interview also includes scripts for collecting the registrant's consent to the interview, consent to be informed of future research, and consent to receive future health information on other topics from the NYC DOHMH. The questionnaire was translated into three languages in addition to English: Spanish, Mandarin, and Cantonese. Interviews were conducted in these four languages. For other languages, interviewers used a language translation service to conduct the interview in the language of the registrant. See the baseline questionnaire in Appendix A.

2.1   Instrument Development

The WTCHR instrument was developed through an iterative process in which revisions were made as a result of a formal questionnaire appraisal and cognitive interviewing.

2.1.1   Questionnaire Appraisal

Survey methodologists employed RTI International's Question Appraisal System (QAS) in order to evaluate potential problems with the WTCHR questionnaire. The QAS is a structured, standardized instrument review methodology that assists a survey design expert in evaluating questions relative to the tasks they require of respondents, specifically with regard to how respondents understand and react to survey questions. The QAS allows the reviewer to evaluate the structure and effectiveness of the questionnaire form itself. It is a coding system (i.e., item taxonomy) that describes the cognitive demands of the questionnaire and documents the question features that are likely to lead to response error. These potential errors include errors related to comprehension, task definition, information retrieval, judgment, and response generation (Willis and Lessler, 1999). After the QAS results were submitted, a round of questionnaire changes were made before finalizing the version of the instrument used for cognitive interviewing.

2.1.2   Cognitive Interviews

The instrumentation process included a cognitive interview pilot test of the WTCHR draft interview. Cognitive interviewing is a pretest methodology that makes use of "think-aloud" interviewing and other question probing techniques. A "think aloud" interview is one in which the respondent is instructed to tell the interviewer everything he or she is thinking about while answering a survey question. Think aloud techniques are supplemented with concurrent (during the interview) or retrospective (in a debriefing interview after completing the survey) probes. Cognitive interviewing provides detailed information on questionnaire design issues such as the degree to which questions are comprehended, memory search strategies used, the ability of respondents to make calculations and judgments, and the coverage of the response domain by the response options provided. ***Table 1***

provides details on the cognitive interviews conducted for the WTCHR. Cognitive interviews were conducted in all four primary interview languages.

Table 1: Cognitive Interviews by Sample Type and Language

	Workers/ Volunteers: WTC Site Workers	Workers/ Volunteers: Staten Island Recovery Operations and Barge Workers	Residents: South of Chambers	Residents: Chambers to Canal	Students/ Staff: School Staff	Students/ Staff: School Students	Building Occupants*: Damaged Buildings	Building Occupants: Other Buildings & Areas	Total Interviews
English Interviews	4	3	6	1	2	4	9	12	41
Spanish Interviews	2							2	4
Cantonese Interviews				1				1	2
Mandarin Interviews								1	1
Total	**6**	**3**	**6**	**2**	**2**	**4**	**9**	**16**	**48**

* Includes building occupants, people in transit, and pedestrians

In addition to the 48 cognitive interviews, 21 timing interviews were conducted by telephone to estimate the questionnaire length and the duration of individual sections.

2.2   Determining Eligibility

The WTCHR interview begins with an assessment of language and the need for a proxy, as well as collection of the respondent's name and age. The section determining the respondent's eligibility follows a brief consent script. Eligibility is determined by whether a respondent meets at least one of the following criteria for each of the four sample types.

Workers and Volunteers:

- Working at least one shift at the World Trade Center site providing rescue, recovery, clean-up, construction, support or volunteer services between September 11, 2001 and June 30, 2002

- Working at least one shift at the World Trade Center Recovery Operations on Staten Island or on a barge between September 12, 2001 and June 30, 2002

Residents:

- Primary residence in lower Manhattan south of Canal Street on September 11, 2001

Students and School Staff:

- Enrolled in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street on September 11, 2001

- Employee in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street on September 11, 2001

Building Occupants, People in Transit, and Pedestrians:

- Present in transit (e.g. on a subway or bus), on the street or in a building south of Chambers Street anytime between 8:46 AM (the time of the first plane impact) and 12:00 PM on September 11, 2001

If the respondent was deemed eligible according to any of these criteria, a more detailed consent was administered and then the full interview was conducted. Individuals deemed ineligible were thanked for their time, and then the interview was concluded.

2.3   Content Areas of the WTCHR Instrument

The WTCHR instrument includes several series of questions specifically tailored to each eligibility group, health questions, and demographic, contacting, and locating questions. Each section of the questionnaire is briefly described in *Table 2* below.

Table 2: Content of the WTCHR Questionnaire

Questionnaire Section	Content	Applies To
Eligibility	Eligibility determination questions, informed consent	All respondents
Deceased	Basic demographic information on deceased registrants	Deceased registrants
Student	Enrollment in school on September 11, 2001 and return to school after the event	Students
School Staff	Employment in school on September 11, 2001, and return to school after the event	School staff
Occupant/Transit/ Passerby	Location in building(s) or in transit or on the street on the morning of September 11, 2001	Building Occupants, People in Transit, and Pedestrians
Exposure	Proximity to dust cloud, duration in dust cloud and traumatic events witnessed on morning of September 11, 2001	Living registrants
Worker	Days worked and type of activity at the WTC site or at the WTC Recovery Operation on Staten Island or a barge between September 11, 2001 and June 30, 2001	Workers/Volunteers
Resident	Date returned and days spent in home (if evacuated),and how and when home was cleaned after September 11, 2001	Residents
Physical Health	Physical health symptoms and conditions before and after September 11, 2001	Living registrants
Mental Health	Mental health symptoms and probable conditions since September 11, 2001	Living registrants
Demographics	Basic demographic information	Living registrants
Contact and Locate	Information for contacting registrants in the future	Living registrants

2.4   Translation of the WTCHR Instrument

In addition to the English version, the WTCHR instrument was translated into three languages. Portions of the instrument were pre-tested in all four languages as part of the cognitive interviewing. Of the total completed interviews for WTCHR, 95% were completed in English, 1.9% in Spanish, 1.5% in Cantonese, and almost 1% in Mandarin, and 0.4% in other languages through the real-time interpretation service.

Chapter 3: Recruitment

3. Recruitment Methods for the WTCHR

To maximize the number of registrants identified and enrolled, the WTCHR used a multi-pronged recruitment strategy including public health outreach, collection of lists of eligible persons, and self-identification through a toll-free number and website. This recruitment approach allowed potential registrants to be identified from multiple and varied sources, thus maximizing WTCHR enrollment coverage. Key elements of the WTCHR recruitment approach included partnerships with other key agencies and organizations, contacting eligible entities to request lists of eligible persons and their contact information, developing motivational messages to present the WTCHR to the public and to encourage eligible persons to enroll, media campaigns to build awareness and communicate the messages, public forums to engage community leaders and potential registrants, and establishing a hotline to respond to inquiries in multiple (English, Spanish, Mandarin and Cantonese) languages and an informational and pre-enrollment website. Specific details on the methods of recruitment for the WTCHR are described in the following sections.

3.1 Outreach and Media Campaign

Outreach and media campaigns were initiated during the enrollment phase of the WTCHR to build awareness of the program, encourage cooperation among those contacted for an interview, and encourage self-identification for enrollment. The primary goals of the community outreach campaign were to inform the target populations of the existence of the WTCHR, to motivate these populations to enroll, and to promote the project to other eligible persons. Additionally, the outreach campaign needed to reach hard-to-find individuals who might not appear on lists (e.g., undocumented workers, students who graduated since 9/11/2001, highly mobile construction workers), and to be accessible to diverse ethnic and cultural groups.

The plan for outreach was flexible and multi-faceted. A key component of the WTCHR outreach strategy was participation in public forums. Targeted efforts were needed to inform key organizations of the WTCHR and address their concerns. Responding to and meeting with eligible organization members was a significant aspect of outreach on the WTCHR. Forums to describe the WTCHR and answer questions were held with the constituents of both small and large organizations, from parent-teacher associations to tenant associations to large unions. In many cases, leaders of community-based organizations and businesses served as important intermediaries to gain cooperation from their constituents. These leaders promoted the WTCHR through placement of outreach materials, emails, mailings, and providing community space for informational outreach booths or private space for interviewing eligible members.

Another component of the outreach strategy was a media campaign. The WTCHR received periodic media attention through newspaper, radio, and television spots, and announcements throughout the enrollment period, primarily following NYC DOHMH and ATSDR press releases. A variety of WTCHR outreach materials, including posters, brochures, and palm cards, were developed, tested, and distributed to the target populations. All outreach materials were available in English, Chinese and Spanish and included the toll-free number and the website address. Although outreach campaign materials communicated a uniform, consistent message about the WTCHR, the types of materials and modes of information dissemination were tailored to the diverse sample types eligible for enrollment. *Table 3* provides examples of the focused outreach strategies utilized.

Table 3: WTCHR Outreach Strategies by Sample Type

Sample Type	Strategies for Information Dissemination
Workers and Volunteers	Subway, bus, newspaper, radio and ferry advertisements; Emails or faxes sent to members; Newsletter and trade magazine articles; Presentations at roll calls (e.g. Sanitation and NYPD) and to company officials; Electronic bulletin to responders on public health networks; Visits to police and fire houses; Web banner for organization website; Registration packets distributed to employees/members; Paycheck inserts; Placement of posters/brochures
Residents	Subway, bus, newspaper, radio and ferry advertisements; Information tables in building lobbies and at health fairs, farmers markets, film festivals; Presentations to community groups and tenant organizations; Placement of posters/brochures in restaurants, dry cleaners, pharmacies, physician offices, grocery stores, and other businesses; Informational letters sent to home addresses
School Students and Staff	Subway, bus, newspaper, radio and ferry advertisements; Presentations to PTA, principals; Backpack letters sent home with students; Registration packets sent by NYC Department of Education; Information tables before/after school and at sporting events; Placement of posters/brochures in schools and day cares
Building Occupants, People in Transit, and Pedestrians	Building Occupants of 35 Damaged or Destroyed Buildings or 3 Damaged or Destroyed Structures: Subway, bus, newspaper, radio and ferry advertisements; Email sent to employees; Newsletter articles; Registration packets distributed to employees; Paycheck inserts; Presentations to board members and building tenants; Web banner for company website; Placement of posters/brochures in buildings Occupants of other buildings, people in transit, and pedestrians south of Chambers Street: Subway, bus, newspaper, radio and ferry advertisements; Information tables at health fairs, farmers markets, film festivals; Placement of posters/brochures in restaurants, dry cleaners, pharmacies, physician offices, grocery stores, and other businesses

3.2   Self-identification

To maximize the number of eligible enrollees, the WTCHR established a toll-free number (i.e., 1-866-NYC-WTCR) and public website (http://www.wtcregistry.org) to encourage potential registrants to enroll. The hotline was designed and equipped to handle multiple languages, with English, Spanish, Mandarin and Cantonese operators and a connection to a language translation service for other languages available. The website was created in English, but included informational pages in Chinese and Spanish. These methods of self-identification helped to enroll over 49,000 registrants. At the end of the enrollment period, a total of 29,381 persons completed interviews resulting from inbound calls and an additional 20,817 persons completed interviews that were initiated by web self-registrations.

Information about the toll-free number and website was included on all public health outreach and registrant materials (e.g., subway posters, brochures, palm cards, lead letters, emails, press releases etc.). The public website was opened prior to data collection and included a link to a pre-enrollment contact form where potential enrollees provided their name, address, and telephone number. The pre-enrollment page on the website was only accessible in English. The toll-free number and website were available throughout the duration of the WTCHR. Individuals who called the toll-free hotline were screened for eligibility, and, if eligible, were administered the baseline health survey. Persons who self-identified through the website were contacted by telephone, screened for eligibility, and administered the survey if eligible.

The WTCHR toll-free number and website were initiated for data collection and continue to serve a variety of purposes. Inbound callers utilize the toll-free number to ask questions about the WTCHR or other 9/11/2001-related issues and resources, or to update their contact information. The public website

serves as a repository for current project information, including outreach materials, press releases, quarterly health reports, a copy of the baseline questionnaire, and links to other health resources. The website also provides a page for registrants to update their contact information and a forum for individuals to ask questions or provide feedback about the project.

3.3   Obtaining Lists of Names

The public outreach effort was coordinated with an effort to develop comprehensive lists of potential registrants. Building the sample of individuals eligible for the WTCHR, referred to as "list building", was a critical step in establishing the WTCHR. Lists of eligible individuals in four broad categories—workers and volunteers; residents; students and school staff; and building occupants—were collected. During the WTCHR enrollment period, a total of 232 lists, representing 135,553 unique potential registrants, were obtained and processed. There were 144 lists of workers and volunteers, 3 lists of residents, 9 lists of students and school staff; and 76 lists of building occupants that were imported into the pre-registrant database, respectively. A total of 21,239 completed interviews resulted from list cases, and an additional 800 completed interviews resulted from FDNY cases of individuals who self-identified by completing a self-registration form listing their names and contact information for interviews at a later date.

To develop a sample of residents, lists of potentially eligible residents were obtained. Lists of residents living in the catchment areas on 9/11/2001 were provided primarily from sample files purchased from Genesys Sampling Systems. These lists were supplemented by two lists received from targeted tenant organizations in buildings within the eligibility boundaries. A total of three lists were obtained for residents.

The remaining sample of workers and volunteers, students and school staff, and building occupants was built by directly requesting information from appropriate entities. As part of the list building process, staff contacted representatives of eligible entities to explain the purpose of the WTCHR, confirm eligibility of potential registrants, and obtain a list of names with mailing addresses of potential registrants to send informational materials. Unique call scripts were used for organizations within each sample type in order to confirm eligibility. For example, contacts with businesses sought to confirm 9/11/2001 address, while contacts with rescue/recovery groups sought to confirm work at the WTC site between 9/11/2001 and 6/30/2002.

WTCHR materials were sent to each entity to attempt to secure their cooperation. After packets of WTCHR materials were received, list building staff recontacted representatives of these entities to request that a list of all potentially eligible persons, including current contact information, be submitted. In addition to requesting a list, list building staff also confirmed the total number of persons eligible for the WTCHR, because that number may differ from the number of individuals for whom contact information was available on a list provided.

Contact information and relevant notes for all entities was captured in a List Building System developed specifically to organize WTCHR contacting efforts. The process for identifying eligible organizations and entities to be contacted for lists differed by sample type, as follows:

3.3.1   Workers and Volunteers

The creation of a list of the various rescue, clean-up, and volunteer organizations who worked at the WTC site and/or Staten Island Recovery Operations or on the barges required a number of data sources. Responders to the WTC disaster comprise a diverse and geographically dispersed group. While many companies are on lists of credentialed or documented responder organizations, many are

not. Many of the organizations contacted are well known, including FDNY, NYPD, NYC Department of Sanitation, NYC Department of Design and Construction, Port Authority of New York and New Jersey, FEMA, American Red Cross, Salvation Army, and the construction companies responsible for the four quadrants of the WTC site. In collaboration with city, state, and federal agency officials, as well as union officials, lists of additional responding organizations and subcontractors were compiled. Because many of the workers involved in 9/11/2001 efforts have been targeted for other research studies, WTCHR project staff collaborated with other study investigators to further identify groups eligible for WTCHR participation. Internet data sources were also used to identify rescue/recovery teams that traveled to New York from other parts of the nation. A total of 670 rescue, recovery, clean-up worker organizations and agencies, and volunteer agencies were contacted, and a total of 144 lists were obtained.

3.3.2   Students and School Staff

Public and private school data for the 2000-2001 school year are publicly available from the National Center for Education Statistics (NCES). Public school enrollment and staff data are available for all public schools in the WTCHR catchment area from the NCES's Common Core of Data (CCD) (http://nces.ed.gov/ccd). Private school data came from the Private School Survey (PSS) (http://nces.ed.gov/surveys/pss). Each school in the eligible ZIP codes in lower Manhattan was mapped to determine whether or not it fell within the WTCHR catchment area. Preschools and day care centers within the WTCHR catchment area were identified through information from the NYC Bureau of Day Care. These data sources were the primary means used to identify public and private schools and preschools to be contacted for lists of eligible students and staff.

Five private schools and 22 day cares and preschools were identified and contacted directly. Nine of these schools and daycares provided lists.

The fourteen public schools identified were not contacted through list building. Instead, parents and guardians of children in the 14 eligible public schools were contacted through a mailout to parents and guardians conducted by the NYC Department of Education on behalf of the WTCHR. RTI supplied the WTCHR materials to the NYC Department of Education, which created a database of eligible parents and printed address labels. Over 12,000 letters were mailed to parents of students enrolled in public schools south of Canal Street on 9/11/2001. Additionally, a letter describing the WTCHR was sent home with students in public schools where the principal gave consent and agreed to distribute those materials.

3.3.3   Occupants of Damaged and Destroyed Buildings and Structures

Occupants of buildings south of Chambers Street were eligible for inclusion in the WTCHR. To identify building occupants who might be eligible for the WTCHR, list building efforts were targeted to those organizations in one of the 35 buildings and 3 structures identified by the New York City Department of Buildings as damaged or destroyed after the 9/11/2001 attacks and collapse of the WTC towers. The original research protocol for the World Trade Center Health Registry identified 35 buildings or structures as damaged or destroyed per the New York City Department of Buildings. This list of buildings was appended after the publication of the FEMA Building Performance Study resulting in a total of 38 damaged or destroyed buildings or structures. The additional addresses of 45 Park Place, 395 South End Avenue, and the WTC Concourse, were added to the WTCHR building list and businesses associated with these addresses were pursued. *Table 4* lists the 35 building addresses and 3 structures (i.e., one concourse, and two pedestrian bridges) and their status. The damaged structures are the Winter Garden, and South Bridge. North Bridge was destroyed. While the subsequent FEMA report includes identification of 55 damaged or destroyed buildings, the WTCHR

concentrated on those buildings originally identified by the NYC Department of Buildings and used the FEMA report to categorize the severity of damage to the buildings included in the WTCHR. The categorization of the buildings and structures listed in ***Table 4*** was conducted by the Federal Emergency Management Agency (FEMA, 2002).

The primary source of businesses to be contacted for the WTCHR is a sample list purchased from Genesys Sampling Systems. This list contains every business in the Genesys business database with an address at a damaged or destroyed building as of September 10, 2001. Genesys provided contact information for a total of 906 businesses.

To maximize coverage for businesses, two additional lists of organizations were obtained. The first was a list of 587 businesses that the Downtown Alliance derived from Dun & Bradstreet listings as of August 2001. There was significant overlap between this list and the Genesys list, but it provided some unique records and improved the coverage of businesses. Similarly, the New York Metropolitan Transportation Council (NYMTC) published a report titled "Post September 11th Impacts: Inventory of Affected Businesses." The businesses listed in this report lost space in the World Trade Center and adjacent properties that were destroyed or damaged on September 11, 2001. Some, but not all, of the damaged or destroyed buildings identified for the WTCHR are included in the NYMTC report. The NYMTC report identifies 879 businesses in the 38 damaged or destroyed buildings and structures, but there is significant overlap with the Genesys and Downtown Alliance lists. Since many businesses are included on two or three of the above list sources, duplicates were eliminated when they occurred across lists.

Publicly available data on the Internet was used to supplement business identification and contacting efforts. The Wall Street Journal, Crain's, Forbes, and WorldTradeAftermath.com were consulted as secondary sources of business information and were used to compile WTC building tenant lists. A total of 862 unique businesses were contacted by the WTCHR, out of the 1,212 total of uniquely identified businesses in the 35 damaged or destroyed buildings and 3 damaged or destroyed structures, and 76 lists were obtained.

The list building process is described in more detail in the Sample Building and Denominator Estimation report available on the WTCHR website (www.wtcregistry.org) in early 2006. For more information please contact the WTCHR Principal Investigator.

Table 4: List of Collapsed or Damaged Buildings and Structures

Status According to FEMA WTC Building Performance Study 2002	Collapsed or Damaged Buildings and Structures[1]
Collapse	WTC 1/North Tower
Collapse	WTC 2/South Tower
Collapse	WTC 3
Collapse	WTC 7
Collapse	North Bridge
Collapse	St. Nicholas Greek Orthodox Church
Partial Collapse	WTC 4
Partial Collapse	WTC 5
Partial Collapse	WTC 6
Partial Collapse	WTC Concourse
Major Damage	West Street Building/Coal and Iron Exchange
Major Damage	Bankers Trust/Deutsche Bank/130 Liberty
Major Damage	Fiterman Hall
Major Damage	Verizon Building
Major Damage	2 WFC/Tower B
Major Damage	3 WFC/Tower C Annex
Major Damage	NYFD Ladder 10
Major Damage	120 Cedar St
Major Damage	Winter Garden
Major Damage	Green Exchange Building
Major Damage	45 Park Place
Major Damage	Engineering Building
Moderate Damage	South Bridge
Moderate Damage	Bankers Trust/Deutsche Bank/123 Washington
Moderate Damage	Bank of New York
Moderate Damage	RR Donnelly and Sons Company
Moderate Damage	WFC 1/Tower A
Moderate Damage	110 Liberty St
Moderate Damage	Century 21 Department Store
Moderate Damage	Federal Office Building/Post Office
Moderate Damage	Gateway Plaza
Moderate Damage	110 Greenwich St
Moderate Damage	114 Greenwich St
Moderate Damage	One Liberty Plaza
Moderate Damage	Marriott Hotel
Moderate Damage	Millennium Hotel
Moderate Damage	110-120 Church St
Moderate Damage	Trinity and US Realty Buildings

[1] Many of the collapsed or damaged buildings have multiple street addresses, though only one address is provided in this table.

Chapter 4: Data Collection Methodology and Results

4. Pre Data Collection Activities

4.1 Tracing

The process of tracing was initiated if the list or pre-enrollment contact data provided insufficient information for contacting a potential registrant. Tracing was critically important for locating individuals who had moved since the time that their contact information had been last updated. Beginning in August 2003, the Genesys files for residents were the first files on which tracing was performed.

Tracing was conducted in two steps. First, available information from sample lists was submitted to vendors who matched this information with publicly available databases; this is referred to as "batch tracing". Second, intensive tracing was applied to potential registrants in target populations for which a telephone number was lacking after batch tracing or for which a call had been attempted but the potential registrant was not located. In intensive tracing, trained tracing staff would attempt to locate a potential registrant through a series of individual, intensive locating steps. We describe each of these tracing steps in further detail below.

Batch tracing, sought to: 1) decrease the number of cases that required individual, intensive tracing, 2) decrease the cost of intensive tracing by providing tracing staff with the maximum amount of contacting information available for subsequent locating steps, and 3) maximize the number of cases that could be interviewed over the telephone rather than in person. Batch tracing was conducted on all cases using two steps: National Change of Address (NCOA) and Telematch. NCOA is a database consisting of change of address data submitted to the U.S. Postal Service. The postal service update of over one hundred million records takes place every two weeks and address updates are stored for three years. Telematch is a computerized residential telephone number service consisting of over 75 million current listings.

Batches of contacting information for potential registrants were submitted first to NCOA to obtain an updated address (if the potential registrant had filed a change-of-address with the U.S. Postal Service). The WTCHR database was updated with any new information, and then records were submitted to Telematch for a telephone number update. New information obtained through batch tracing was appended to records for each potential registrant without overwriting existing information.

The second component of tracing was intensive tracing. Intensive tracing steps were implemented for subgroups likely to have the highest levels of exposure (Group 1): workers and volunteers; residents south of Chambers Street; students and school staff; and building occupants of the 35 damaged or destroyed buildings and 3 damaged or destroyed structures. Particular cases routed to intensive tracing were those that lacked a telephone number after batch updates or cases for which a call had been attempted by an interviewer but the potential respondent was not located. In this intensive effort, tracing staff reviewed the contacting information associated with a particular registrant, other cases likely from the same household, locating efforts by interviewers, and prior tracing searches. If this review did not yield viable contacting information for a registrant, the tracer would perform a series of real-time searches of the contacting information available in consumer credit bureau databases that might help locate the particular registrant. Additionally, tracers would search a series of proprietary databases for contacting information that includes information culled from public and financial

records. Other sources that tracers used include Directory Assistance, reverse directories, residential sources, specialized directories, and other consumer databases.

After intensive tracing yielded viable contacting information for a potential registrant, a tracer would attempt to contact the relevant household to confirm the contacting information. Both intensive tracing and tracing confirmation calls were conducted in the major languages used for data collection: English, Spanish, Cantonese, and Mandarin. Of the 25,881 potential registrants who required intensive tracing, viable contacting information was identified for 84.5%.

4.2   Notification Letters

All sampled cases obtained from a list were sent a lead letter prior to telephone contact. The lead letter explained the purpose, goals and sponsorship of the WTCHR. It also provided the toll-free number and website address.

4.3   Interviewer Training

All interviewers were required to complete a two-hour home study course prior to attending a two-day project specific training class. Persons new to interviewing also attended a one-day training on general interviewing techniques. Bilingual Spanish, Mandarin and Cantonese interviewers received one additional day of training focusing on questionnaire administration in their specific language. A total of 415 telephone interviewers, and 97 field interviewers attended the two-day sessions over the course of the data collection period. During the two-day training class, interviewers were trained on study protocols, questionnaire administration, and refusal avoidance. Interviewers completed classroom exercises and mock interviews.

Given the sensitivity of the WTCHR and the variety of languages spoken by potential registrants, two special training modules were developed.

Interviewers received training on how to handle difficult situations that might arise during interviews, such as when respondents reacted emotionally to questions that reminded them of their experiences on September 11, 2001. Interviewers were taught to recognize verbal, aural, and for in-person interviews, physical signs of emotional or mental distress. If the respondent exhibited minimal symptoms of stress such as changes in tone and volume of voice or hesitancy to answer questions, the interviewer would offer a break in the interview and provide information about a mental health referral service that the respondent could contact. If the respondent showed signs of moderate or agitated levels of distress, the interviewer could end the interview or transfer the caller directly to a mental health referral service. In the most severe cases, interviewers were to involve their supervisor and contact emergency assistance, keeping the respondent on line.

Interviewers were also trained to identify the most common languages spoken in lower Manhattan and to request translation assistance for languages other than English, Spanish, Mandarin or Cantonese. Language Line, a language interpretation service, assisted with identifying the language spoken by the potential registrant if the determination could not be made by the interviewer.

At the end of project training, interviewers were required to complete a certification test prior to contacting potential registrants. Project certification included a test of the most frequently asked questions about the WTCHR and administration of the questionnaire. Interviewers who failed were either given additional retraining and coaching or terminated. All interviewers participated in refresher trainings throughout the data collection period based on feedback identified from quality control monitoring of interviews as well as review of data frequencies.

4.4   Interviewing Methods

Enrollment in the WTCHR was launched on September 5, 2003 and continued through November 20, 2004. Data were collected by telephone using computer-assisted telephone interviewing (CATI), and in-person using computer-assisted personal interviewing (CAPI). Telephone interviewing was conducted in RTI call centers housed in lower Manhattan and in North Carolina. In-person interviews were completed in all five boroughs of New York City, and in parts of New York, New Jersey, and Connecticut. Of the 71,437 completed baseline interviews, 67,528 or 94.5% were completed by telephone, and 3,909 or 5.5% were completed in-person.

4.4.1   Telephone Interviewing

Telephone interviewers began calling list cases five days after the lead letter was mailed, and for web self-registrants, one day following web registration. Inbound calls from potential registrants were answered within one minute on average. However, if as a result of media releases or other public outreach efforts, the volume of incoming calls exceeded the call center's capacity to respond to these calls within a three-minute wait time, a "triage mode" for calling volume was implemented. To respond directly to as many calls as possible during this high call volume period, the amount of time an interviewer spent on any given call was reduced. Interviewers administered informed consent and the eligibility section of the questionnaire, scheduled callbacks with eligible registrants, and thanked those determined as ineligible. Triage periods ranged from two to three hours at a time. For outbound calls to potential registrants the mean number of call attempts was 10.7, and the median number of call attempts was 6. The maximum call attempts ranged up to 40 calls for a small proportion of cases.

Interviewer introductory scripts varied depending on whether the case was from a list or was self-identified, if the registrant was known to be deceased after September 11, 2001, or if it was known that a proxy interview was necessary. In general, interviewers explained who they were and why they were calling, administered informed consent prior to collecting eligibility information, and then attempted to screen the potential registrant for eligibility. If the registrant was eligible, the interviewer administered informed consent specific to collecting the baseline questionnaire, and proceeded to administer the health survey. If the eligible registrant was not able to complete the health survey at that time, the interviewer probed for the best day and time to schedule a call back. If the eligibility screening questions determined the registrant to be ineligible, the interviewer explained that we were enrolling only people who met specific eligibility criteria and thanked them for their time.

In order to ensure that as many potential registrants as possible were identified, all eligible registrants living south of Canal Street who reported more than one person living in his or her household on September 11, 2001 were asked to complete a household roster. Upon completing the interview with the eligible resident, interviewers attempted to enroll the other eligible household members at the time of the call, and scheduled call backs as necessary. Additional contact information was also collected for adults who were eligible but who were not currently residing at the September 11, 2001 address. If a telephone number was provided, interviewers attempted to contact the potential registrant. Any cases with incomplete contacting information were submitted for tracing, and subsequently routed to telephone interviewing once new contacting information was obtained. A total of 16,130 potential registrants were identified using the household roster method, but 4,209 of them were identified as being duplicate cases, meaning that they had already been identified as a potential registrant through another sample building method. Of the 11,921 new potential registrants identified through this method, interviews were completed with 7,011.

4.4.2   Field Interviewing

Field interviewing began in March 2004 and continued through October 2004. Field interviewers administered the same interview and followed the same interview process as outlined above in 4.4.1 with the exception of conducting the interviews in person with a laptop. Two categories of cases were identified as priorities for field interviewing: persons without telephones and Group 1 sample types for which the WTCHR attempted to increase response rates. Field interviewers also conducted field interviews at some outreach events in lower Manhattan.

4.4.3   Proxy Interviews

For minors under 18 years of age at the time of the interview, proxy interviews were conducted with a parent or guardian. Proxy interviews for adults were conducted if the eligible registrant was: (1) deceased after September 11, 2001, (2) mentally incompetent or (3) seriously physically disabled. In these instances, a parent or guardian, adult family member or another knowledgeable person provided consent, and completed the interview on behalf of the registrant. Potential registrants who were on active military duty, incarcerated, or out of the country for the duration of the data collection period were not actively pursued, and hence most did not enroll in the WTCHR. Note that these later three groups of potential registrants were treated as "not eligible" in the WTCHR coverage and response rate calculations.

4.4.4   Languages of Administration

Due to the prevalence of persons who speak languages other than English in the target populations, the WTCHR used a language protocol to handle interviews in these other languages. The first part of the protocol dealt with identifying the three most commonly spoken languages other than English in the New York City area, which were identified as Mandarin, Cantonese, and Spanish. The instrument was translated into these three languages. Bilingual telephone and field interviewers conducted the interview in each of these three languages using a translated version of the web-based interview instrument.

The second component of the protocol involved registrants who spoke a language other than English, Spanish, Cantonese, or Mandarin. Interviewers were trained to identify the most common languages spoken in lower Manhattan and to request translation assistance for languages other than English, Mandarin, Cantonese and Spanish. Language Line, a vendor who provided real-time translation services in up to 150 languages, assisted with identification of the language spoken by the potential registrant if the identification could not be made by the interviewer. Telephone interviewers screened respondents for eligibility and then conducted the interview through an interpreter. *Table 5* displays the number of completed interviews in each language, including proxy interviews, based on the language identified at the beginning of each interview, and how English, Spanish, Cantonese, Mandarin, and other language interviews are distributed by sample type.

Table 5: Completed Interviews by Language by Sample Type[1]

Total Interviews Completed In:	Workers/ Volunteers # of Interviews	Residents # of Interviews	Students/ School Staff # of Interviews	Building Occupants # of Interviews[2]	Total # of Interviews	% of Completed Interviews
English	29,637	11,077	1,522	25,799	68,035	95.2%
Spanish	775	193	40	342	1,350	1.9%
Cantonese	18	839	105	95	1,057	1.5%
Mandarin	18	515	67	80	680	1.0%
Other	217	30	2	66	315	0.4%
Total	**30,665**	**12,654**	**1,736**	**26,382**	**71,437**	**100.0%**

[1] Data reported in this table are based on the WTCHR questionnaire data files as of November 2005. The four sample types above reflect the sample ranking process described in Section 1.2.1. A total of 25% of registrants are eligible for more than one sample type based on interview data.

[2] Includes building occupants, people in transit, and pedestrians.

4.4.5   Methods for Increasing Response Rate and Maximizing Coverage

An overarching approach to identifying and enrolling potential registrants was the use of multiple, tailored strategies to spur enrollment and participation in the specific populations of interest. Each exposure group and type of potential registrant presented unique considerations and challenges that had to be effectively addressed in order to maximize enrollment. The ability to be flexible, adaptable and responsive to the range of awareness, attitudes, and concerns of these different groups was crucial.

These multi-pronged strategies included a variety of tailored letters, email to non-respondents, and door-to-door canvassing in parts of lower Manhattan. Some strategies, for example a letter with eligibility postcard, were only offered during the final months of enrollment as the need for some eligibility information versus none became more critical. For instance, the Port Authority list of building occupants included a high percentage of ineligible persons. Prior to contacting individuals on this list for an interview, postcards were sent to them, with a request to return the postcard with eligibility status noted. A proportion of the potential registrants who received these postcards returned them with an indication that they were not eligible for the WTCHR, thereby preventing the need for further contact. The following list describes the key strategies to reduce non-response and maximize enrollment for the WTCHR:

- Letters with an eligibility postcard to non-responding inbound, list, and web-self-registrants. Potential respondents were asked to return the postcard if they were not eligible. The removal of these ineligibles helped to better identify the sample population;

- Email to non-responding potential registrants;

- Thank you email to completed registrants, requesting outreach to other potential registrants;

- Increased call attempts for hard-to-reach potential registrants;

- Door-to-door canvassing in lower Manhattan late in the enrollment period to encourage residents to enroll;

- Letters to potential registrants responding to four types of refusals. (Refer to section 4.4.6 for a description of each letter.)

Scripted messages for potential registrants' answering machines were developed and adapted over time. Initial messages that were left on answering machines of potential registrants provided the WTCHR's toll-free number and website address, and indicated that an interviewer would call back. Subsequent messages stressed the urgency for the potential registrant to call the toll-free number and enroll before the end of the enrollment period. The elapsed time between interviewer follow-up to an answering machine message was also altered, and ranged from four days initially to one day in the final month.

To further maximize participation, field interviewers were deployed at certain outreach events to enroll registrants on the spot and conduct interviews in a private location. For example, interviewers were on hand during outreach activities at various buildings that included businesses, agencies or other groups that participated in the relief efforts or where people lived or worked in close proximity to the WTC site. In other instances, interviewers attended presentations to various constituency groups and were available to enroll registrants immediately following the event.

4.4.6. Refusal Categorization

Refusals from potential registrants occurred for a variety of reasons that were categorized by reason and strength of the refusal. This information was used to develop tailored approaches to address the concern raised by the potential registrant, and to determine subsequent steps. Four letters were developed to respond to the most common concerns expressed by potential registrants: the potential registrant was "too busy or not interested;" the potential registrant hung up during the introduction; the potential registrant indicated that they did not wish to be contacted for the WTCHR; and "the study is too sensitive." Respondents were sent one of these letters depending on the nature of their documented reason for refusal.

The majority of the refusals received were "soft refusals," that is the potential registrant conveyed his or her concern in a non-threatening manner. Interviewers attempted up to two contacts with the potential registrant to address their concerns about participation and ask them to reconsider enrollment. Hostile refusals, including threats of legal action and other statements that indicated to the interviewer or project staff that the registrant was adamant about not enrolling, were not contacted a second time. They were finalized as nonresponse.

4.4.7 Quality Control of Interviewing

Quality control protocols were integrated into all technical and operational aspects of the WTCHR. Standard operating procedures reflecting industry best practices were used for quality control of activities including, but not limited to sample building, interviewing, and data processing. As necessary, project-specific quality control protocols were developed to supplement standard processes, or address areas of innovation. The following points describe the primary data quality control processes deployed on the WTCHR.

- *Monitoring of Telephone Completed Interviews.* To ensure that WTCHR interviewers maintained the highest standards of data quality, 10% of the total cases worked by telephone interviewers were monitored. Bilingual quality control staff monitored interviews in Spanish, Mandarin, and Cantonese, and supervisory staff monitored interviews conducted through interpreters as well.

- *Quality Circle Meetings.* During data collection, in-person biweekly meetings were held with telephone interviewers to review concerns or problems identified during monitoring sessions or data review. These meetings also addressed protocol, process or instrument related questions, and served as a forum for brief retraining sessions. Quality circle meetings were also conducted with groups of field interviewers by telephone.

- *Verification of Field Completed Interviews.* For cases completed in-person by field interviewers, quality control staff re-contacted registrants via telephone to confirm the interview took place. Overall, 10% of all field completed interviews were verified. For cases with no working telephone number, a verification form and business reply envelope was mailed to the registrant's household.

- *Data Review.* Review of questionnaire frequencies and related cross-tabulations was conducted to ensure that skip patterns were implemented correctly, and to identify any questions that contained high rates of item nonresponse. Verbal and written feedback was provided to interviewers to continuously improve the quality of the data collected, and periodic retraining sessions were held as necessary. Each evening reports were generated to provide project staff with information that related case status to various questionnaire items, reflecting a higher-level, overarching view of data quality and consistency.

4.5   Data Collection Results

The WTCHR makes available to data users a variety of rates that measure the WTCHR's outcomes and the types of data available for analyses. These include outcome rates calculated overall, by sample type, and by unique groups, such as the Port Authority list. **Table 6** presents the final WTCHR outcome rates. Definitions of key terms are included as footnotes to the table. Further information on coverage, enrollment rates, and definitions of the variables used for these calculations are found in the report "*World Trade Center Health Registry Calculation of Outcome Rates*," which may be downloaded from: *http://www.wtcregistry.org*.

4.5.1   Summary of Outcome Rates

Table 6 indicates that the enrollment rate, the proportion of the true eligible population for which an interview was completed for the WTCHR is 17.4%. Among the 71,437 registrants who completed interviews, 25.3% are eligible in more than one sample type. The "*World Trade Center Health Registry Explanation and Calculation of Outcome Rates*" available at the link identified in section 4.5 provides further information on the proportion of registrants who were eligible in more than one sample type.

All sample group rates (i.e. Group 1, Group 2) are based on enrollment for each sample group regardless of membership in multiple groups. Enrollment is highest for Group 1 residents (37.3%) and lowest for Group 2 building occupants, and people in transit, and pedestrians (11.0%).

The overall coverage rate for the WTCHR, defined as the total number of eligible registrants in the sample frame compared to the true eligible population is 32.9%. Overall coverage is highest for Group 1 residents (66.2%) and lowest for Group 2 building occupants, people in transit, and pedestrians (12.3%). Because Group 2 building occupants, people in transit, and pedestrians were self-identifiers, it is expected that coverage would likely be relatively low for this sample group and type.

The overall eligibility rate for the WTCHR, defined as the number of eligibles among those who were contacted and agreed to participate, is 76.9%. The eligibility rate is highest for Group 2 building occupants, people in transit, and pedestrians (98.5%) and lowest for Group 1 building occupants

(40.8%). It is expected that eligibility would be highest for groups and sample types consisting of self-identifiers such as the Group 2 building occupants, people in transit, and pedestrians because there was substantial information available through the media and on the WTCHR website about eligibility for the WTCHR. The Group 1 building occupants include many cases originating from the Port Authority list.

Table 6: World Trade Center Health Registry Outcome Rate Report[1]

Component/Rate	Group 1					Group 2			Unknown Group[2]	Total Residents	Total Building Occupants	Total Overall
	Workers/ Volunteers	Residents	Students/ Staff	Building Occupants	Group 1 Total	Residents	Building Occupants[3]	Group 2 Total				
Total Preregistrants	51,899	16,355	2,608	84,435	155,297	16,834	20,933	37,767	4,880	34,087	105,368	197,944
Total Eligibles	32,705	7,832	1,833	7,940	50,310	4,680	19,974	24,654	898	13,410	27,914	75,862
Completed Interviews	30,665	7,511	1,736	7,905	47,817	4,327	18,477	22,804	816	12,654	26,382	71,437
True Eligible Population[4]	91,469	20,157	9,971	47,228	168,825	28,948	167,496	196,444	0	49,106	214,723	365,269
Eligibility Rate[5]	87.1%	81.6%	92.3%	40.8%	73.4%	88.7%	98.5%	96.5%	.	85.0%	70.3%	76.9%
Contact Rate[6]	81.0%	74.6%	85.5%	60.0%	72.3%	47.4%	98.1%	75.5%	.	61.8%	72.5%	73.8%
Cooperation Rate[7]	83.8%	75.5%	84.4%	75.4%	79.4%	61.2%	91.3%	82.9%	.	70.7%	81.3%	80.5%
Response Rate[8]	67.8%	56.3%	72.2%	45.2%	57.4%	29.0%	89.6%	62.6%	.	43.7%	58.9%	59.4%
Coverage Rate[9]	49.4%	66.2%	24.1%	37.0%	49.4%	51.6%	12.3%	18.6%	.	59.0%	20.9%	32.9%
Enrollment Rate[10]	33.5%	37.3%	17.4%	16.7%	27.2%	15.0%	11.0%	11.5%	.	25.5%	12.0%	17.4%

[1] Data reported in this table are based on WTCHR questionnaire data files as of November 2005. The four sample types above reflect the sample ranking process described in Section 1.2.1 A total of 25% of registrants are eligible for more than one sample type based on interview data.

[2] For an explanation of unknown group cases, see "*World Trade Center Health Registry Explanation and Calculation of Outcome Rates*" available at the link identified in section 4.5.

[3] Includes building occupants, people in transit, and pedestrians.

[4] Cells for the true eligible population account for group and sample type overlap through hierarchy of sample group and type. The highest priority group and type combination under the hierarchy is Group 1 Workers. For more information, please contact the WTCHR Principal Investigator to obtain a copy of the WTCHR report on outcome rates.

[5] The eligibility rate serves as an indicator of list providers' and self-identifiers' accuracy in identifying eligible participants. It is equivalent to the number of eligibles among those who were successfully contacted and agreed to participate.

[6] The contact rate measures the proportion of all cases in which an eligible member of the sample was reached by the survey.

[7] The cooperation rate is the proportion of all cases interviewed of all eligible units ever contacted.

[8] The response rate is the number of completed interviews divided by the number of interviews plus the number of non-interviews plus cases of unknown eligibility. Its value is equal to the product of the contact and cooperation rates, which for the WTCHR is equivalent to AAPOR Response Rate 4 (RR4). (American Association of Public Opinion Research, 2000)

[9] The extent to which the sample frame covers the true eligible population is referred to as the coverage rate. For the total number of eligible registrants in the sample frame compared to the true eligible population.

[10] The enrollment rate measures the proportion of the true eligible population for which an interview was completed.

The eligibility rate for this list is exceptionally low and this contributes to the overall low eligibility rate for Group 1 building occupants because the list includes many persons who no longer worked at the World Trade Center or were not present on the morning of 9/11/2001.

The overall contact rate for the WTCHR is 73.8%, that is, 73.8% of the estimated eligibles in the sample frame were contacted. This overall contact rate is highest for Group 2 building occupants, people in transit, and pedestrians (98.1%) and lowest for Group 2 residents (47.4%).

The overall cooperation rate for the WTCHR is 80.5%, that is, of the estimated eligibles who were contacted, interview data are available for 80.5%. The overall cooperation rate is highest for Group 2 building occupants, people in transit, and pedestrians (91.3%) and lowest for Group 2 residents (61.2%).

The overall response rate for the WTCHR is 59.4%.[1] Response rates by Group are 57.4% for Group 1 and 62.6% for Group 2. Response rate is highest for Group 2 building occupants, people in transit, and pedestrians (89.6%) and lowest for Group 2 residents (29.0%).

4.5.2   Outcomes by Methods of Enrollment

In addition to tracking potential registrants by sample group (Group 1 vs. Group 2) and sample type as outlined in *Table 6*, RTI tracked method of enrollment into the WTCHR by designating cases as falling into the following categories: list, website self-registrant, and inbound caller. The cases originating from lists came from various businesses, organizations, and sample vendors. The cases originating from self-registrations came through the self-registration website, and the inbound cases were potential registrants who called in to complete the interview. *Table 7* displays the number and proportion of completed interviews by method of enrollment, sample type, and group.

4.5.3   Outcomes of Contacting the Port Authority List

In May 2004, NYC DOHMH provided RTI with a Port Authority (PA) list of 95,442 persons who had been issued a security badge to one or more of the seven World Trade Center buildings at any time during the past five years. Due to the nature of this list, a large proportion of individuals on the list were not expected to meet the WTCHR eligibility criteria, and the screening of individuals from the list for their eligibility determined that this was true. The overall eligibility rate for this list was low (27%), based on interviews completed after screening for eligibility.

Before potential registrants identified on the Port Authority list were contacted, the WTCHR had to determine the best way to maximize contact with these individuals. Of the 95,442 persons on the Port Authority list, 46,650 individuals were not pursued for data collection because their record had insufficient information for contacting through telephone or mail. Due to budget and time constraints, we selected 30,470 individuals with the most complete locating information to contact via telephone. All of the 48,792 Port Authority cases which had an address received an advance mailing with an eligibility postage-paid postcard, along with a request to return this postcard and note whether or not the registrant was eligible.

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[1] For the calculation of outcome rates for surveys, RTI's standard is the American Association for Public Opinion Research's (AAPOR) *Standard Definitions: Final Disposition of Case Codes and Outcome Rates for Surveys* (AAPOR, 2000).

Table 7: Completion Counts by Group and List Source Report[1]

| | Group 1 | | | | | Group 2 | | | All | | | | |
	Workers	Residents	Students/ Staff	Building Occupants	Total	Residents[2]	Building Occupants	Total	Workers	Residents	Students/ Staff	[3]Building Occupants	Total
Self-Registrants	7,540 10.6%	1,405 2.0%	396 .60%	2,766 3.9%	12,107 16.9%	734 1%	7,976 11.2%	8,710 12.2%	7,540 10.6%	2,139 3.0%	396 .6%	10,742 15.0%	20,817 29.1%
Inbound	11,738 16.4%	4,061 5.7%	1,042 1.5%	2,278 3.2%	19,119 26.8%	3,132 4.4%	7,130 10.0%	10,262 14.4%	11,738 16.4%	7,193 10.1%	1,042 1.5%	9,408 13.2%	29,381 41.1%
List Building	11,387 15.9%	2,045 2.9%	298 .4%	2,861 4.0%	16,591 23.2%	1,277 1.8%	3,371 4.7%	4,648 6.5%	11,387 15.9%	3,322 4.7%	298 .4%	6,232 8.7%	21,239 29.7%
All	30,665 42.9%	7,511 10.5%	1,736 2.4%	7,905 11.1%	47,817 66.9%	5,143 7.2%	18,477 25.9%	23,620 33.1%	30,665 42.9%	12,654 17.7%	1,736 2.4%	26,382 36.9%	71,437 100%

[1] Data reported in this table are based on the WTCHR data files as of November 2005. The four sample types above reflect the sample ranking process described in Section 1.2.1. A total of 25% of registrants are eligible for more than one sample type based on interview data.

[2] Group 2 residents include residents located on or north of Chambers Street, but south of Canal Street.

[3] Includes building occupants, people in transit, and pedestrians

Of the eligibility postcards mailed and returned, 2,340 cases were determined to be ineligible. The cases from the Port Authority list decrease the overall response rate due to their atypically low eligibility rate, compared with cases identified from other sample sources. When the Port Authority cases are excluded from the sample, the overall response rate rises from 59.4% to 66%.

Chapter 5: Data Preparation and Processing

5.   Data Processing of Registrant Interviews

5.1   Data File Preparation

Registrant interviews were collected in a computer-assisted web interview programmed using Microsoft Active Server Pages (ASP) and stored in a Microsoft SQL Server database. During data collection, interview data were merged into a single database each day. Once an interview was recorded as being complete, an edit program was run on the data, mirroring the web interview logic, to identify anomalies and flag them for human review. Subsequent to this edit process, data were delivered to NYC DOHMH on a weekly basis, with a final delivery following the completion of data collection.

5.2   Data Quality Control

Concurrent to the periodic data deliveries as well as after the completion of data collection, a number of quality control activities were performed on the data. These activities included analysis by a data editing system, a review of response frequencies and inter-item consistency checks, and the monitoring of daily reports that reflected relationships between case status and the data collected.

5.2.1   Data Editing

The web interview was programmed to route the path through the interview based, as appropriate, on prior responses, and thereby skip questions that should not have been asked of a registrant. Additionally, the web interview was programmed with logical consistency and range checks. To verify the accuracy of the data collected by the programmed instrument and to detect any data anomalies, a data editing system was developed which mirrored the web interview logic. Data was analyzed by this data editing system daily and prior to the weekly delivery of data by RTI International to NYC DOHMH. Any anomalies that were detected by the data editing system were reviewed and reconciled as a part of ongoing quality control. Any reconciliation to data was recorded in an audit table that tracked the history of changes to the data file.

5.2.2   Data Review

As described in Chapter 4, review of questionnaire frequencies and related cross-tabulations was conducted to ensure that skip patterns were implemented correctly, and to identify any questions that contained high item non-response rates. Questionnaire items that contained open-ended or other specify verbatim fields were also reviewed for completeness and accuracy in coding. Additionally, any items that were flagged by the data editing system were reviewed so that feedback could be provided to data collection staff as necessary.

5.2.3   Processing of Lists of Potential Registrants

Chapter 3 of this manual describes in detail the recruitment methods by which lists of potential registrants were obtained. A total of 232 lists were received in either hardcopy or electronic format. Lists received in hardcopy format were data entered. Lists received electronically were formatted into an Excel template. After data were formatted into the standard template, project staff performed manual review of the template compared to the hardcopy or the electronic file received to ensure that

data were aligned in the proper fields. The list data were converted to Comma Separated Value (.csv) with DMBS Copy Software. After conversion of the file, programmers performed a second review to ensure that the data were aligned properly, and imported the file for subsequent production activities including tracing and data collection.

5.2.4   De-duplication of Multiple Entries for a Potential Registrant in the Sample

A major concern of working with such a large a database of names from such a small geographic area is sample frame duplication. Kish (1965) describes a sample frame as "perfect if every element appears on the list separately, once, only once, and nothing else appears on the list." Coverage error occurs when some persons are omitted from the list or frame used to identify members of the study population (Groves, 1989). It also occurs when the same person is included in the sample frame more than once or when the person is included in error. Because of the multitude of sample types and list sources, it was expected that many sample members would be included in the frame more than once. For instance, if a person was identified as a resident living south of Chambers Street on the purchased residential list file and was also identified by an employer in one of the 35 damaged or destroyed buildings or 3 damaged or destroyed structures near the WTC complex, that person's name would appear twice on the sample frame.

Since potential respondents could be identified by multiple lists and sources, including web self-registration and inbound calls, accounting for duplicates was necessary to reduce respondent burden that would have resulted from contacting the same person multiple times and to minimize costs associated with unnecessary multiple contacts. In addition, it was necessary to perform de-duplication to ensure data quality. For persons identified but not interviewed, there would have been no feasible way to determine whether records were duplicated without an automated approach due to the large size of the sample population. Without this automated approach to de-duplication, many more incomplete interviews would have been recorded and coverage error associated with duplication would have increased.

The de-duplication process used for the WTCHR compared locator (name, address, phone, Social Security Number) and demographic information between cases in the sample database. ChoiceMaker Technologies developed a batch matching program to evaluate every new record in the sample database relative to existing records in the table. In this process, locator and demographic fields were parsed and standardized. Once the fields were standardized, key matching fields (name, birth date, SSN, etc.) were used to identify a set of cases that were potential matches to the new record. For each of the cases in the set, clues were applied to determine two probabilities – match and differ. New cases with high match probabilities relative to an existing case were determined to be duplicates. New cases with high differ probabilities relative to all existing cases were determined to be unique. The thresholds for match and differ determination were parameters that were modified as necessary during the enrollment period. Records with intermediate match probabilities between the match and differ thresholds were marked for human review. During human review, the reviewer viewed all cases in a potential match compound and made hard match/differ decisions for the new case relative to each existing case in the compound.

Chapter 6: Data File Contents

6.   Guide to the Data File and Codebook

The WTCHR data file is provided in the format of a Microsoft SQL Server database file. The database file allows the full WTCHR database to be restored with all data and database objects to any Microsoft SQL Server. The data file was created for use with SAS analytic software.

6.1   Basics for Analyses: Questionnaire and Sample Indicators

The WTCHR baseline questionnaire is attached in Appendix A. Note that the questionnaire identifies all questions asked of registrants in the interview. The codebook in Appendix B displays data frequencies and other information about each item in the questionnaire and each derived variable. Questionnaire items are displayed according to the sequence in the instrument. The codebook indicates a number of the data elements that have values with small cell sizes that have been suppressed or recoded to protect the confidentiality of registrants.

Several indicator variables are key to understanding responses to the WTCHR interview. These include the variables PROXY, IFMS, and INCOMING. The variable PROXY indicates whether the interview was with the subject (most living registrants over the age of 17) or with a proxy (used for deceased registrants, minors, and other registrants incapable of completing the interview themselves). IFMS indicates whether the case's final status was as a field interview or as a telephone interview. INCOMING indicates whether the case's final status was as an inbound or outbound call. *Table 8* lists key sample flag variables.

While *Table 8* lists key sample flag variables, it may be important to some researchers to distinguish between the higher and lower priority groups within two of the sample types: residents and building occupants, people in transit, and pedestrians. See Section 1.2.1 for a description of the higher priority "Group 1" and lower priority "Group 2" groups.

Table 8: Key Sample Flag Variables

Sample Flag Variable	Description	Displayed As
resident_e	Registrant lived in eligible area south of Canal Street on September 11, 2001	0=No 1=Yes
occ_trans_e	Registrant was physically in eligible area south of Chambers Street in Manhattan between the time of the first plane impact and noon on September 11, 2001	0=No 1=Yes
worker_e	Registrant worked as a rescue, recovery, clean-up or volunteer at the WTC site for at least one shift anytime between September 11, 2001 and June 30, 2002, or at the WTC Recovery Operation on Staten Island or on a barge for at least one shift anytime between September 12, 2001 and June 30, 2002	0=No 1=Yes
student_e	Registrant was enrolled in a school (preK-12) south of Canal Street on September 11, 2001	0=No 1=Yes
staff_e	Registrant was employed in a school (preK-12) south of Canal Street on September 11, 2001	0=No 1=Yes

NYC DOHMH maintains data on the prioritization within each of these sample types. Specifically, data is available upon request to distinguish:

- Registrants whose primary residence was south of Chambers Street on September 11, 2001 (res_only_priority group = 1), those living north of Chambers Street/south of Canal Street (res_only_priority_group = 2), and those living on or north of Canal Street in zip codes overlapping the Canal Street boundary (res_only_priority_group = 0)

- Registrants who were occupants of one of the 38 buildings or structures destroyed or damaged on September 11, 2001 (occ_only_priority_group = 1) and all other building occupants, people in transit, or pedestrians who were south of Chambers Street on September 11, 2001 (occ_only_priority_group = 2).

For two sample types, preregistrants were further stratified into higher and lower priority groups for the purposes of targeting and evaluating sample building activities such as list procurement and outreach. For residents, Group 1 included residents as of September 11, 2001 at addresses located south of Chambers Street; Group 2 included residents located on or north of Chambers Street but south of Canal Street. A third resident group, Group 0, was defined upon recognition of the inclusion of respondents living on/or north of Canal Street in zip codes overlapping the Canal Street boundary. For building occupants, Group 1 included occupants of the 38 damaged or destroyed buildings/structures in and around the WTC site who were present on the morning of September 11, 2001. Group 2 included other building occupants, people in transit, and pedestrians who were present south of Chambers Street on September 11, 2001, other than those in the 38 damaged or destroyed buildings and structures.

Two derived variables: resident_pg and occ_trans_pg reflect the number of completed interviews by specific sample type priority group. Values for resident_pg were confirmed by address information within the instrument. Values for occ_trans_pg were confirmed through the use of the instrument's free-text variables describing the location of individuals on the morning of September 11, 2001.

6.2   Derived Variables

Derived variables are generated from responses from two or more questionnaire items, recodes of variables to avoid disclosure of identifying information, or categorizations of free text responses. Most of the derived variables may be used as classification variables or independent variables in data analysis. There are several different types of derived variables in the WTCHR data file. Information on derived variables is included in Appendix B beginning on page 59. The types of derived variables are listed below.

- *Interview Characteristics:* Includes type of interview (self-interview, living proxy, or deceased proxy), source of interview (field, outbound telephone, or inbound telephone) language of interview, and whether the interview was with a foreign registrant

- *Eligibility Groups:* Includes variables identifying eligibility in summary groups (workers and volunteers, residents, students and school staff, and building occupants, people in transit, and pedestrians) as well as an indicator of overall eligibility

- *Demographics:* Includes age calculated from date of birth, age on September 11, 2001 calculated from date of birth, and race combined with Hispanic ethnicity

- *Building Survivor Characteristics:* Includes indicators of being in a damaged or destroyed building or structure, and the FEMA characterization rating of the building or structure

- *Rescue/recovery groups:* Identifies key worker groups of the New York City Fire Department (FDNY), Police Department (NYPD), Department of Sanitation, Department of Design and Construction, as well as non-NYC fire department personnel

- *Resident Location:* Includes census tract and block of residential address on September 11, 2001, as well as distance in feet of residence from World Trade Center towers. These variables were created using ArcView geographic information systems. To protect the confidentiality of registrants, these variables are only included in the restricted access WTCHR data file. For further information on the procedures required to obtain such data and the corresponding GIS coordinates, please contact the WTCHR Principal Investigator.

- *Health Symptoms and Health Symptom Denominators:* Includes new or worsening symptoms after 9/11/2001 and ever having particular symptoms

- *Health Conditions and Health Condition Denominators:* Includes post-9/11/2001 diagnosed conditions and ever having particular conditions

- *Mental Health Condition:* Includes overall scoring on PDI, probable PTSD and child mental health indicators

6.3 Guide to the Hardcopy Codebook

The hardcopy codebook in Appendix B supplies a comprehensive description of the WTCHR data file. For each variable in the WTCHR data file—including both questionnaire and derived variables but excluding identifying contact and locate information—the codebook provides a summary of the related information, including a description, question wording, and the type of response available along with their frequency and percent. The codebook also provides missing data frequencies sorted by the following reserve codes:

- *Don't Know (-1):* The respondent reported not knowing an answer to the question.

- *Refused to Answer (-2):* The respondent refused to answer the question.

- *Valid Missing Data (-9):* Data for the item are missing due to skip patterns.

- *Invalid Missing (-3):* Data for the item are missing due to incomplete interview or improper skip patterns.

In addition to the reserve codes, for potentially identifying items the term "Suppressed" is indicated. For open-ended items that require coding for further analysis, "Data Present" is indicated.

References

The American Association for Public Opinion Research. 2000. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. Ann Arbor, Michigan: AAPOR.

Dolan, M., Murphy, J., Thalji, L., Pulliam, P. World Trade Center Health Registry Sample Building and Denominator Estimation. Research Triangle Institute. Submitted to New York City Department of Health and Mental Hygiene and the Agency for Toxic Substances and Disease Registry, December 2005.

Federal Emergency Management Administration. World Trade Center Building Performance Study: Data Collection, Preliminary Observations, and Recommendations. Washington, DC: Federal Emergency Management Administration, 2002.

Groves, R.M. 1989. Survey Errors and Survey Costs. New York: John Wiley and Sons, Inc.

Hoven CW, Duarte CS, Lucas CP, Wu P, Mandell DJ, Goodwin RD, Cohen M, Balaban V, Woodruff BA, Bin F, Musa GJ, Mei L, Cantor PA, Aber JL, Cohen P, Susser E. Psychopathology among New York city public school children 6 months after September 11. Arch Gen Psychiatry. 2005 May;62(5):545-52.

Kish, L. 1965. Survey Sampling. New York: John Wiley and Sons, Inc.

Murphy, J. World Trade Center Health Registry Enrollment and Coverage Report. Research Triangle Institute. Submitted to New York City Department of Health and Mental Hygiene and the Agency for Toxic Substances and Disease Registry. December 2005.

Murphy, J. World Trade Center Health Registry Explanation and Calculation of Outcome Rates. Research Triangle Institute. Submitted to New York City Department of Health and Mental Hygiene and the Agency for Toxic Substances and Disease Registry. December 2005.

Willis, Gordon and Judith T. Lessler. 1999. Question Appraisal System: QAS-99. Rockville, MD: Research Triangle Institute.

Appendix A
Baseline Questionnaire

World Trade Center Registry Questionnaire

<u>Introduction</u>

[IF SPAWN AND RESPONDENT IS THE SAME AS PREVIOUS RESPONDENT, SKIP TO I8.]

INCOMING
CALL
     [IF INCOMING CALL ONLY. ELSE SKIP TO LANG1.]

     Hello. Thank you for calling the World Trade Center Health Registry enrollment hotline. My name is [YOUR FULL NAME]. May I please have your phone number?

     (This will help me find your case if you are in our database of people to contact.)

     (Please hold while the system takes me to the last question you answered during your previous session.)

     DO NOT ENTER DASHES. NUMBERS ONLY.

     HOME PHONE: _____

LANG1
     IN WHAT LANGUAGE SHOULD THE INTERVIEW BE CONDUCTED?

     NOTE: WHEN USING LANGUAGE LINE SERVICES, PLEASE SELECT OTHER (LANGUAGE LINE) OPTION AND NOT ENGLISH.

     1   ENGLISH
     2   SPANISH
     3   MANDARIN
     4   CANTONESE
     5   OTHER (LANGUAGE LINE)

LANG2
     [IF LANG1=5] ATTEMPT TO KEEP R ON LINE AS BEST YOU CAN. DIAL 1-877-261-6608 TO LANGUAGE LINE. PRESS 2 FOR "ALL OTHER LANGUAGES." SPEAK THE LANGUAGE THE RESPONDENT NEEDS, OR PRESS 0 AS DIRECTED TO GET HELP FROM LANGUAGE LINE. WHEN ASKED FOR THE CLIENT ID NUMBER, ENTER 717517. THEN ENTER YOUR PERSONAL ID NUMBER.

LANG3
     [IF LANG1=5]

     I have just connected (NAME OF TRANSLATOR) to our call. (He/She) works for a service called Language Line and will help us by translating my questions and your answers. I will provide more information about the Registry and answer your questions before we begin. I also want to tell you that the translator is required to keep private any information about you that (he/she) hears as part of this interview. Let's get started.

NOTE: IF THE LANGUAGE LINE SPECIALIST IDENTIFIES THE LANGUAGE AS SPANISH, MANDARIN, OR CANTONESE, POLITELY INFORM THE TRANSLATOR THAT ONE OF OUR BILINGUAL INTERVIEWERS WILL CALL THEM BACK AT A LATER TIME. DO NOT USE LANGUAGE LINE SERVICES FOR MANDARIN, CANTONESE, OR SPANISH INTERVIEWS.

ENTER LANGUAGE OF INTERVIEW.

LANGUAGE: _____

[CONTINUE WITH O1 IF OUTBOUND CALL.   ELSE SKIP TO I3.]

O1

[ASK IF CATI FRONT END DETERMINED SUBJECT IS DECEASED. ELSE SKIP TO O2.]

I'm very sorry for your loss. I'm calling on behalf of the New York City Department of Health and Mental Hygiene. I'm calling to talk to you about a research study called the World Trade Center Health Registry. I work for RTI, a company hired to help with the study. The Registry is a list of people who were affected by the disaster on September 11th, 2001. About 200,000 people may join the list. We plan to maintain the study data for up to 20 years.

I'm calling because [SUBJECT] was identified on a list of rescue and recovery workers, schools, businesses, and residences in the World Trade Center area. [SUBJECT] may have been at the disaster, or lived, worked, or went to school in the area at the time of the disaster. (He/She) may have also helped with the clean-up. [SUBJECT] may still be eligible for the Registry. We want to be sure to collect information about people who were at or near the disaster but who are now deceased, because it's important to gather information on **everyone** who was exposed in order to have an accurate and complete registry.

[SKIP TO I8.]

O2

[ASK IF SUBJECT NOT DECEASED (PROXY OR SUBJECT INTERVIEW).]

I'm calling on behalf of the New York City Department of Health and Mental Hygiene. I'm calling to talk to you about a research study called the World Trade Center Health Registry. I work for RTI, a company hired to help with the study. The Registry is a list of people who were affected by the disaster on September 11th, 2001. They will be interviewed from time to time so that we can learn if there are any health problems related to the disaster. About 200,000 people may join the list. We plan to maintain the study data for up to 20 years.

We are calling [you /SUBJECT] because [you/SUBJECT] may have been at the disaster or lived, worked, or went to school in the area at the time of the disaster. You may have also helped with the clean-up. We recently sent a letter telling you about the Registry.

[SKIP TO I8.]

I3

Are you calling to register yourself or someone else?

1   SELF
2   SOMEONE ELSE
3   BOTH

I5

[ASK IF I3=3]

Let me start with you and then we'll go back to the other people you are calling in for.

I6

[ASK IF I2=2]

I am authorized to collect information from parents or legal guardians of registrants under 18, and from appropriate proxies if the registrant is deceased or otherwise physically or mentally incapable of completing the interview. Does the person you are calling in for meet these criteria?

NOTE: PROXY INTERVIEWS ARE ONLY FOR SUBJECTS WHO ARE DECEASED, UNDER 18, MENTALLY INCOMPETENT, OR SERIOUSLY PHYSICALLY DISABLED.

1   YES
2   NO
DK/REF

I7

[ASK IF I6=2 OR DK/REF]

I'm sorry, I won't be able to complete the interview with you then. If that person will call us at 1-866-NYC-WTCR , we will happy to register him/her.

Thank you for your time.

[CLOSE OUT INTERVIEW.]

I8

To determine if (you are/ the subject is) eligible for the registry, I need to ask you just a few questions. Responding to these questions is voluntary; you may refuse to answer any of these questions, if you like. All of your answers will be kept private. If you decide not to enroll in the Registry we will not keep your information. (Your/The subject's) name will not be connected with your answers in any way. Let's get started.

Proxy

I9

[IF I3=1 OR 3 SKIP TO E1a.]

IS THIS A PROXY INTERVIEW? PROBE IF NECESSARY.

1   YES
2   NO

I10

[ASK IF I9=1]

ASK ONLY IF NECESSARY: We want to be sure to include people who may be eligible but who are now deceased. Whether or not the person is still living will affect the kinds of questions we ask. Is this person deceased?

1   YES
2   NO
DK/REF

E1a

[IF PRELOAD CONTAINS NAME]

In order to determine if [you are/SUBJECT is] eligible to be part of the World Trade Center Registry, I need to ask a few questions. I have [your/SUBJECT's] full name recorded as:

[FILL: PREFIX FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX]

Is this correct?

CONFIRM SPELLING.

1   YES
2   NO
DK/REF

E1b

[IF NO PRELOADED NAME OR E1a=2 OR DK/REF]

Please tell me [your/SUBJECT's] full name.

PREFIX   FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX

E1c.

[IF E1b NE DK AND NE REF, SKIP TO P1.]

I'm sorry, but without your first and last name I cannot enroll you in the World Trade Center Health Registry. Thank you for your time.

CLOSE OUT INTERVIEW. SKIP TO CS6.

P1

[IF SPAWN AND RESPONDENT IS SAME AS PREVIOUS RESPONDENT, SKIP TO P5. ELSE IF NOT PROXY SKIP TO P5.]

The first thing I need to do is make sure I am speaking with the person who is best able to provide information about [SUBJECT's] health.

Are you the person who is best able to answer questions on behalf of [SUBJECT's] experiences on and after September 11th, 2001?

1   YES   [SKIP TO P5]
2   NO
DK/REF

P2

[ASK IF P1=2]

In order to determine [SUBJECT's] eligibility status for the World Trade Center Health Registry, I must speak to the person best able to answer questions on behalf of [SUBJECT's] experiences on and after September 11th, 2001. This person must be 18 or older. Is that person available now?

1   YES   [CONTINUE TO P3.]
2   NO   [SKIP TO P4.]
DK/REF   [SKIP TO P4.]

P3

WAIT UNTIL BEST PROXY GETS ON LINE. Hello, this is (YOUR FULL NAME). I work on a research study called the World Trade Center Health Registry, on behalf of the New York City Department of Mental Health and Hygiene. I work for RTI, a company hired to help with the study. The Registry is a list of people who were affected by the disaster on September 11th, 2001. They will be interviewed from time to time so that we can learn if there are any health problems related to the disaster. About 200,000 people may join the list. We plan to maintain the study data for up to 20 years.
[SUBJECT] may have been at the disaster or lived, worked, or went to school in the area at the time of the disaster. [SUBJECT] may have also helped with the clean-up. (IF OUTBOUND, READ: We recently sent a letter to your home telling you about the Registry.)

To determine if [SUBJECT] is eligible for the Registry, I need to ask you just a few questions. Responding to these questions is voluntary; you may refuse to answer any of these questions, if you like. All of your answers will be kept private. If you decide not to enroll in the Registry we will not keep the information you provide about [SUBJECT.] Your name will not be connected with your answers about [SUBJECT] in any way.

[SKIP TO P5.]

P4

[IF P2=2]

To continue, I will need to speak to the adult best able to provide information about [SUBJECT's] experiences on and after September 11th, 2001. I'd like to call back at a later time. What is the name of the person I need to speak to?

FIRST NAME   LAST NAME

[SKIP TO PHON.]

P5

What [is/was] [your/SUBJECT's] date of birth?

MM/DD/YYYY   [SKIP TO P6]
DK/REF

[RANGE CHECK: DATE OF BIRTH CANNOT BE AFTER TODAY'S DATE.]

P5b

[SKIP IF DECEASED.]

What is [your/SUBJECT's] current age?

AGE: _____   [RANGE: 0 – 118]
DK/REF

P5c

[ASK IF PROXY=1 AND P5=DK/REF AND P5b=DK/REF.]

Was [SUBJECT] born before September 11th, 2001?

1   YES   [CONTINUE TO P5d]
2   NO   [SKIP TO E25]
DK/REF   [SKIP TO E25]

P5d

[ASK IF P5b=DK/REF.]

[Are you/Is SUBJECT] 18 or older?

1   YES   [SKIP TO E2]
2   NO   [SKIP TO P8]
DK/REF   [SKIP TO P8]

P6

[ASK IF DECEASED]

On what date did [SUBJECT] pass away?

MM/DD/YYYY
DK/REF

[RANGE CHECK: DATE ENTERED CANNOT BE AFTER TODAY'S DATE.]

[CONSISTENCY CHECK. IF DATE ENTERED IS BEFORE DOB IN P5, DISPLAY
CONSISTENCY CHECK.

> I have recorded that [SUBJECT] died [date_deceased] but was not born until [dob].
> Which is correct?
>
>> 1	[date_deceased]
>> 2	[dob]

IF ANSWER=1, RETURN TO P5. IF ANSWER=2, RETURN TO P6. IF DATE IS BEFORE
9/12 SKIP TO E24. IF DATE IS 9/12 OR LATER, SKIP TO E2.]

P7

[SKIP IF DECEASED]

I have recorded that [you are/SUBJECT is] [FILL AGE] years old. Is this correct?

1	YES
2	NO

[CONSISTENCY CHECK: IF P7=2, DISPLAY CONSISTENCY CHECK.

> I have recorded [your/SUBJECT's] birth date as [dob]. Is this correct?
>
>> 1	YES
>> 2	NO

IF ANSWER=1, ACCEPT DOB AND USE CALCULATED AGE AS AGE GIVEN. IF
ANSWER=2, GO BACK TO DOB. IF CANNOT RESOLVE AGE AND BIRTH DATE, USE
AGE CALCULATED FROM BIRTH DATE.]

P8

[ASK IF SUBJECT ON PHONE AND AGE < 18. ELSE SKIP TO E2.]

In order to determine your eligibility status for the World Trade Center Health Registry, I must
speak to a parent or guardian. May I speak to your parent or guardian now?

1	YES	[CONTINUE TO P9.]
2	NO	[SKIP TO P10.]
DK/REF	[SKIP TO P10.]

P9

WAIT UNTIL PARENT OR GUARDIAN GETS ON LINE. Thank you for your assistance.
My name is (YOUR FULL NAME) and I work on the World Trade Center Health Registry
research study on behalf of the New York City Department of Health and Mental Hygiene. The
Registry is a list of people who were affected by the disaster on September 11, 2001. They will be
interviewed from time to time so that we can learn if there are any health problems related to the
disaster. About 200,000 people may join the list. We plan to maintain the study data for up to 20
years.

[SUBJECT] may have been at the disaster or lived, worked, or went to school in the area at the
time of the disaster. [SUBJECT] may have also helped with the clean-up. (IF OUTBOUND,
READ: We recently sent a letter to your home telling you about the Registry.)

To determine if [SUBJECT] is eligible for the Registry, I need to ask you just a few questions.
Responding to these questions is voluntary; you may refuse to answer any of these questions, if
you like. All of your answers will be kept private. If you decide not to enroll [SUBJECT] in the
Registry we will not keep your information. Your name will not be connectes with your answers
about [SUBJECT] in any way. Let's get started.

[SKIP TO E2]

P10

I will need to speak to a parent or guardian to continue. I'd like to call back at a later time.
Please tell me your parent or guardian's name.

FIRST NAME   LAST NAME

[SKIP TO PHON. USE "YOU" FILL.]

Eligibility

E2

[IF PROXY]

Please tell me **your** full name. (I need your name in case, for some reason, this interview gets
interrupted and I need to call you back.)

PREFIX   FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX

E3

ASK ONLY IF NECESSARY. What [is/was] [your/SUBJECT's] sex?

1   MALE
2   FEMALE

[CONSISTENCY CHECK: IF PREFIX=MS. OR MRS. AND GENDER=MALE OR IF PREFIX=MR AND GENDER=FEMALE DISPLAY CONSISTENCY CHECK.
    INTERVIEWER: YOU HAVE RECORDED THAT SUBJECT IS [prefix] BUT GENDER IS [gender]. WHICH IS CORRECT?

    1   PREFIX
    2   GENDER

IF ANSWER=1, RETURN TO E3. IF ANSWER=2 RETURN TO E2.]

E4

[IF SPAWN AND PROXY IS SAME AS PREVIOUS RESPONDENT, SKIP TO E15.]

What was the **zip code** for [your/SUBJECT's] primary residence on September 11th, 2001. (By primary residence, I mean the place where a person lived and slept most of the time. This is not necessarily the same as your voting residence or legal residence.)

ZIP CODE _____
DK/REF

[IF ZIP CODE =

10002	10013
10004	10038
10005	10045
10006	10280
10007	10282

SET RESIDENT = 1 AND SKIP TO E8.

IF ZIP CODE =

10008	10269
10041	10270
10043	10271
10047	10272
10048	10273
10080	10274
10081	10275
10213	10277
10242	10278
10249	10279
10256	10281
10260	10285
10265	10286
10268	10292

SET RESIDENT=1 AND SKIP TO E13.

IF ZIPCODE=DK OR REF, CONTINUE TO E5. ELSE SKIP TO E15.]

E5

Did [you/SUBJECT] live in New York City on September 11th, 2001?
1   YES   [SKIP TO E13.]
2   NO
DK/REF

E6

What city and state did [you/SUBJECT] live in on September 11th, 2001?

[IF ANSWER IS REF and E5 = DK/REF, CONTINUE TO E7. ELSE SKIP TO E13.]

E7

Collecting [your/SUBJECT's] address information for September 11th, 2001 is very important to determining eligibility to the World Trade Center Health Registry. Address information may be used to understand the risks of exposure to smoke, dust, and debris on and after September 11th, 2001. Would you please reconsider providing us with that information?

1   YES   [GO BACK TO E6]
2   NO   [SKIP TO E15]

E8

What street did [you/SUBJECT] live on?

[DISPLAY DROP DOWN LIST WITH ELIGIBLE STREET NAMES. THE LAST RESPONSE OPTION IS "STREET NAME NOT ON LIST."]
DK/REF

[IF E8=DK OR REF, SKIP TO E15. IF E8=STREET NAME NOT ON LIST SKIP TO E13. ELSE CONTINUE TO E9.]

E9

What was [your/SUBJECT's] building number (or street address number)?

IF THE BUILDING NUMBER IS NOT ON THE LIST, SELECT "NUMBER NOT ON LIST" AND KEY IN THE NUMBER ON THE NEXT SCREEN.

[DROP DOWN LIST WITH ELIGIBLE STREET ADDRESSES (NUMBER, THEN STREET). THE LAST RESPONSE OPTION IS "NUMBER NOT ON LIST."]
DK/REF

[IF E9=NUMBER NOT ON LIST, ASK E10. If E9=DK/REF SKIP TO E15.]

E10

What was [your/SUBJECT's] building number (or street address number)?

BUILDING NUMBER: _____   [RANGE: 0 – 99999]
DK/REF

E11

What was [your/SUBJECT's] apartment number?

IF THE APARTMENT NUMBER IS NOT ON THE LIST, SELECT "APT NUMBER NOT ON LIST" AND KEY IN THE NUMBER ON THE NEXT SCREEN.

[DROP DOWN LIST WITH ELIGIBLE APARTMENT NUMBERS. THE LAST RESPONSE OPTION IS "APARTMENT NUMBER NOT ON LIST."]
DK/REF

[IF E11=APARTMENT NUMBER NOT ON LIST, ASK E12. If E11=DK/REF SKIP TO E14]

E12

What was [your/SUBJECT's] apartment number?

APARTMENT NUMBER: _____   [RANGE: 0 – 99999]

[SKIP TO E14.]

E13

What was [your/SUBJECT's] street address on September 11th, 2001?

NUMBER AND STREET, APT. NO.

E14

I have [your/SUBJECT's] address on September 11th, 2001 listed as:

[FILL: BUILDING NUMBER, STREET NAME, APARTMENT NUMBER
CITY, STATE ZIP CODE]

Is this correct?

1   YES
2   NO   [RETURN TO E4 AND TRY LOOP AGAIN.]
DK/REF

E15

On September 11th, 2001, [were you/was SUBJECT] in Manhattan south of Chambers Street between the time of the first plane impact and noon?

NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11TH, 2001.

1   YES   [SET OCCUPANT=1]
2   NO
DON'T KNOW
REFUSED

E16

[IF 9/11 AGE < 12 SKIP TO E18.]

The next question is about the World Trade Center site. Please note that the boundaries for the World Trade Center site are:

Chambers Street to the North,
Rector Street or Rector Place to the South,
Broadway on the East,
and the Hudson River on the West.

When answering this next question, please count all rescue, recovery, cleanup, support, and other World Trade Center event related activities [you/SUBJECT] performed within the boundaries of the site for **at least one shift**. For example, if [you/SUBJECT] worked as a reporter, gave out food or water, or cleaned up buildings within the site, count these activities.

From September 11th, 2001 to June 30th, 2002 did [you/SUBJECT] work at least one shift at the World Trade Center site providing rescue, recovery, clean-up, construction, or support services?

NOTE: THE SALVATION ARMY TENT WAS WITHIN THE ELIGIBLE BOUNDARIES. IF A RESPONDENT REPORTS VOLUNTEERING IN THE SALVATION ARMY TENT, SELECT "YES".

1   YES   [SET RESPONDER=1]
2   NO
DON'T KNOW
REFUSED

E17

From September 12th, 2001 to June 30th, 2002 did [you/SUBJECT] work at least one shift at the World Trade Center Recovery Operation **on Staten Island or on a barge**?

1   YES   [SET SI WORKER =1]
2   NO
DON'T KNOW
REFUSED

E18

[IF AGE > 21 ON 9/11 SKIP TO E20.]

On September 11th, 2001 [were you/was SUBJECT] enrolled in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street?

1   YES   [SET STUDENT =1.]
2   NO
DON'T KNOW
REFUSED

E19

[ASK IF E18=1]

In what school [were you/was SUBJECT] enrolled on September 11th, 2001?

[DROP DOWN LIST OF SCHOOLS]
DK/REF

E20

[SKIP IF E18=1 OR IF AGE <15 ON 9/11/01]

On September 11th, 2001, [were you/was SUBJECT] employed in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street?

NOTE: COUNT SCHOOL VOLUNTEERS AS ELGIBILE. DO NOT COUNT POLL WORKERS.

1   YES   [SET STAFF =1]
2   NO
DON'T KNOW
REFUSED

E21

[ASK IF E20=1] In what school [were you/was SUBJECT] employed on September 11th, 2001?

[DROP DOWN LIST OF SCHOOLS]
DK/REF

E22

How did you hear about the World Trade Center Health Registry?

SELECT ALL THAT APPLY.

1   HEALTH DEPARTMENT WEBSITE
2   INTERNET
3   MATERIALS SENT TO HOME
4   EMPLOYER
5   MATERIALS PROVIDED BY EMPLOYER
6   RADIO
7   TV
8   HEALTH FAIR
9   COWORKER/FRIEND/RELATIVE
10   NEWSPAPER
11   BROCHURE/FLYER/FACT SHEET
12   TRANSIT AD (e.g. SUBWAY CARS/PLATFORM, PATH TRAINS)
13   LOCAL BUSINESS
14   COMMUNITY MEETING
15   HAD NOT HEARD OF REGISTRY UNTIL THIS CALL
16   OTHER (SPECIFY_____)

E23

[ASK IF ELIGIBLE AND TRIAGE MODE. ELSE IF ELIGIBLE SKIP TO E26.]

Based on your responses, [you are/SUBJECT is] eligible to enroll in the World Trade Center Health Registry. Because of the heavy call volume right now, we would like to call you back at a later time to complete the enrollment and begin the interview process.

[SKIP TO PHON]

E24

[ASK IF P6 IS BEFORE 9/12/01.]

We sincerely appreciate your willingness to talk with us about the World Trade Center Health Registry, and we are very sorry for your loss. We are not collecting information at this time on persons who died on or before September 11th, 2001 or on victims who died on 9/11 in the attacks. Thank you again for your time.

[CLOSE OUT INTERVIEW. SKIP TO CS6.]

E25

[ASK IF DOB IS AFTER 9/11/01]

We sincerely appreciate your willingness to talk with us about the World Trade Center Health Registry. We are not collecting information at this time on persons who were born after September 11th, 2001. Thank you again for your time.

[CLOSE OUT INTERVIEW. SKIP TO CS6.]

E26

[ASK IF NOT ELIGIBLE.]
REMINDER: THIS SCRIPT MUST BE READ VERBATIM FOR ALL INBOUND AND OUTBOUND CALLS. YOU MAY ADD A PERSONALIZED THANK YOU AFTER READING THE ENTIRE SCRIPT VERBATIM.

We sincerely appreciate your willingness to talk with us about the World Trade Center Health Registry. At this time, we are asking that people who were in the closest proximity to the WTC site on 9/11 enroll. Studying this group will allow us to best assess the long-term health effects of 9/11. While [you are/SUBJECT is] not one of the persons we are asking to join the Registry at this time, we believe that the information collected through the Registry will benefit all persons in the New York City area who were affected by the World Trade Center disaster, not just those whom we ask to complete the full interview. Thank you again for your time.

If you would like to sign up for email updates important to the health of all New Yorkers, you can log on to the New York City Department of Health & Mental Hygiene website at www.nyc.gov/health/email and select the updates, including the Registry, you'd like to receive.

[CLOSE OUT INTERVIEW. SKIP TO CS6.]

E27

[ASK IF ELIGIBLE AND NOT TRIAGE MODE.]

Based on your responses, [you are/SUBJECT is] eligible to enroll in the Registry. Let's go on with the interview.

P11

[IF SUBJECT IS DECEASED, SKIP TO P11b.]

The survey will take about 30 minutes. The questions will ask about where [you were/SUBJECT was] on September 11th, 2001, and how often [you were/SUBJECT was] in the area around the World Trade Center site in the months afterwards. The survey also may ask questions about [your/SUBJECT's] home, place of work, or school. It also asks about [your/SUBJECT's] health before and after September 11th, 2001.

Answering these questions is voluntary; you may refuse to answer any of these questions, if you like. There are no risks to being in the survey, but some of the questions might make you feel sad or anxious. You can stop or take a break at any time. You can also ask for a phone number to a hotline if you would like to learn about places that may be able to help you.

 All of your answers will be kept private. If you decide not to enroll in the Registry we will not keep [your/SUBJECT's] information. [Your/SUBJECT's name will not be connected with your answers in any way.   [You/SUBJECT] will not lose any rights or benefits that you would otherwise get.

We plan to keep the study data for up to 20 years. During this time, the New York City Department of Health and Mental Hygiene may want to contact [you/SUBJECT] to participate in other studies. They may also want to send [you/SUBJECT] health information in the mail. [Your/SUBJECT's] participation now does not mean [you/SUBJECT] have to participate later, or receive the health information.

I would be glad to answer any questions you have about the study or give you the name and number of a person to call if you have questions about your rights as a person in a research study. Do you have any questions before we get started?

 (If you have questions about your rights as a study participant, please call Dr. D. Saha at the New York City Department of Health and Mental Hygiene at 212-788-4483. If you have questions about the World Trade Center Health Registry, please call Dr. Robert Brackbill toll free at 1-877-NYC-DOH7 (1-877-692-3647).)

P11b

[ASK IF DECEASED.]

The survey will take about 5 minutes. We will ask you some background questions about [SUBJECT].

Answering these questions is voluntary; you may refuse to answer any of these questions, if you like. There are no risks to being in the survey, but remembering the events of 9/11 might make you feel sad or anxious. You can ask for a phone number to a hotline if you would like to learn about places that may be able to help you.

All of your answers will be kept private.   If you decide not to enroll in the Registry we will not keep [your/SUBJECT's] information. [Your/SUBJECT's] name will not be connected with your answers in any way.

We plan to keep the study data for up to 20 years.

 I would be glad to answer any questions you have about the study or give you the name and number of a person to call if you have questions about your rights as a person in a research study. Do you have any questions before we get started?

 (If you have questions about your rights as a study participant, please call Dr. D. Saha at the New York City Department of Health and Mental Hygiene at 212-788-4483. If you have questions about the World Trade Center Health Registry, please call Dr. Robert Brackbill toll free at 1-877-NYC-DOH7 (1-877-692-3647).)

P12

[IF DECEASED, SKIP TO P13. ASK ONLY IF PROXY.]

WHY IS A PROXY BEING INTERVIEWED?

ASK IF NECESSARY: I just need to confirm the reason [SUBJECT] is not capable of completing the interview right now.

1   SERIOUSLY PHYSICALLY DISABLED, BUT MENTALLY COMPETENT
2   MENTALLY INCOMPETENT
3   DECEASED AFTER 9/11/01
4   INSTITUTIONALIZED
5   INCARCERATED
6   UNDER 18
7   OTHER (SPECIFY: _____
[CONSISTENCY CHECK: IF I10=1 AND P12 NE 3, DISPLAY CONSISTENCY CHECK.

INTERVIEWER: EARLIER IN THE INTERVIEW, IT WAS RECORDED THAT THE SUBJECT IS DECEASED. IS THE SUBJECT DECEASED?

     1   YES, SUBJECT IS DECEASED
     2   NO, SUBJECT IS NOT DECEASED.

IF ANSWER=1, RETURN TO P12. ELSE, CONTINUE AND SET DECEASED=2 (NO).]

[CONSISTENCY CHECK: IF I10=2 AND P12=3, DISPLAY CONSISTENCY CHECK/

INTERVIEWER: EARLIER IN THE INTERVIEW, IT WAS RECORDED THAT THE SUBJECT IS NOT DECEASED. IS THE SUBJECT DECEASED?

     1   YES, SUBJECT IS DECEASED.
     2   NO, SUBJECT IS NOT DECEASED.

IF ANSWER=2, RETURN TO P12. ELSE, CONTINUE AND SET DECEASED=1 (YES).]

P13

[ASK ONLY IF PROXY.]

What [is/was] your relationship to [SUBJECT]?

CODE ANSWER ACCORDING TO CATEGORIES BELOW. READ OPTIONS AS NECESSARY.

1   SPOUSE
2   MOTHER
3   FATHER
4   DAUGHTER/SON
5   SISTER/BROTHER
6   GRANDPARENT
7   OTHER BLOOD RELATIVE
8   MOTHER/FATHER IN-LAW
9   OTHER IN-LAW

10   FRIEND
11   OTHER (SPECIFY) _____
DON'T KNOW
REFUSED

Deceased

DEC1

[ASK IF FEMALE AND AGE AT DEATH 15 OR OLDER.]

What was [SUBJECT'S] maiden name?

_____
DON'T KNOW
REFUSED

DEC2

Was [SUBJECT] Hispanic or (Latino/Latina)?

1   YES
2   NO
DON'T KNOW
REFUSED

DEC3

Which of the following would you say was [SUBJECT's] race? (You may select more than one.)

1   White
2   Black or African American
3   American Indian or Alaska Native
4   Native Hawaiian or other Pacific Islander
5   Asian
6   OTHER (SPECIFY: _____)
DON'T KNOW
REFUSED

DEC4

What was [SUBJECT's] cause of death? Please be as specific as possible.

_____
_____
DON'T KNOW
REFUSED

DEC5

In which state did [SUBJECT] pass away?

[DISPLAY DROP DOWN LIST WITH STATES, LINKED TO THEIR ABBREVIATIONS.
STATE LIST INCLUDES 50 U.S., DC, PUERTO RICO, AND "OUTSIDE THE US AND
PUERTO RICO"]
DON'T KNOW
REFUSED

DEC6

> [IF DEC5=NEW YORK]
> Did [SUBJECT] pass away in New York City?
>
> 1   YES
> 2   NO
> DON'T KNOW
> REFUSED

DEC7

> Next, I'd like to get [SUBJECT'S] Social Security Number. This information will only be used to match our data to other health registries, which may provide very important information about the long-term health effects of 9/11. Giving us [SUBJECT'S] Social Security Number is voluntary. What is [SUBJECT'S] social security number?
>
> NOTE: CHINESE RESPONDENTS MAY REFER TO "WORKER CARD NUMBER" INSTEAD OF SSN. IF SSN IS NOT APPLICABLE, ENTER "N/A" IN FIELD BELOW.
>
> (NOTE: THIS PROBE MUST BE READ BEFORE ATTEMPTING TO GET THE LAST 4 DIGITS OF SSN: The privacy of your answer is protected by a Federal Certificate of Confidentiality. This means researchers cannot be forced to disclose personal information about you (for example, by subpoena or court order.) Giving us [SUBJECT'S] Social Security number is completely voluntary and there is no penalty for not disclosing it.)"
>
> _ _ _ - _ _ - _ _ _
> DON'T KNOW
> REFUSED
>
> [SOFT EDIT CHECK: IF DEC7=DK OR REF, DISPLAYWill you tell me the last 4 digits only of [SUBJECT's] social security number? While not as useful as the whole number, the last 4 digits will help us to match to other health registries.]

Student [ASK IF E18=1. ELSE SKIP TO STAFF SECTION.]

S1

> On September 11th, 2001, [were you/was SUBJECT] in school?
>
> 1   YES
> 2   NO   [SKIP TO S3]
> DON'T KNOW   [SKIP TO S3]
> REFUSED   [SKIP TO S3]

S2

> Did [you/SUBJECT] return to [FILL SC HOOL NAME FROM E19] before December 31st 2001? (By return, we mean returning to classes.)
>
> 1   YES
> 2   NO   [SKIP TO NEXT SECTION]
> 3   NEVER RETURNED   [SKIP TO NEXT SECTION]

DON'T KNOW   [SKIP TO NEXT SECTION]
REFUSED   [SKIP TO NEXT SECTION]

S3

On what date did [you/SUBJECT] return?

MM/DD/YYYY

[SOFT EDIT CHECK: IF S3=DK, DISPLAY: Please give me your best estimate.   If you can't remember the exact date, you can provide your answer in days, weeks, or months after 9/11.]

DON'T KNOW
REFUSED

ALTERNATE RESPONSE OPTION:

ABOUT _____ DAYS/WEEKS/MONTHS AFTER 9/11

School Staff [ASK IF E20=1. ELSE SKIP TO OCCUPANT/TRANSIT SECTION.]

ST1

On September 11th, 2001 [were you/was SUBJECT] at school?

1   YES
2   NO   [SKIP TO ST3]
DON'T KNOW   [SKIP TO ST3]
REFUSED   [SKIP TO ST3]

ST2

Did [you/SUBJECT] return to work at [FILL SCHOOL NAME FROM E21] before December 31st , 2001?

1   YES
2   NO   [SKIP TO O/T SECTION]
NEVER RETURNED   [SKIP TO O/T SECTION
DON'T KNOW   [SKIP TO O/T SECTION]
REFUSED   [SKIP TO O/T SECTION]

ST3

On what date did [you/SUBJECT] return?

MM/DD/YYYY
DON'T KNOW
REFUSED

ALTERNATE RESPONSE OPTION:

ABOUT _____ DAYS/WEEKS/MONTHS AFTER 9/11

[SOFT EDIT CHECK: IF ST3=DK, DISPLAY: Please give me your best estimate.   If you

can't remember the exact date, you can provide your answer in days, weeks, or months after 9/11.]

Occupant/Transit Section [ASK IF E15=1 AND STAFF NE 1 AND STUDENT NE 1]

O/T1

On September 11th, 2001 [were you/was SUBJECT] in a building south of Chambers Street between the time of the first plane impact and noon?

NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11TH, 2001.

1   YES
2   NO   [SKIP TO O/T4b]
DON'T KNOW   [SKIP TO O/T4b]
REFUSED   [SKIP TO O/T4b]

O/T2

What building [were you/was SUBJECT] in?

NOTE: IF RESPONDENT WAS INSIDE MORE THAN ONE BUILDING, COUNT ONLY THE FIRST BUILDING THEY WERE IN DURING THE DISASTER.

1 1 Liberty Plaza
2 1 World Financial Center
3 101 Barclay St
4 110 Church St
5 110 Greenwich St
6 110 Liberty St
7 113-117 Cedar St
8 114 Greenwich St
9 114 Liberty St
10 115 Broadway
11 119 Cedar St
12 120 Cedar St
13 120 Church St
14 120 Liberty St
15 123 Washington Street
16 125 Cedar St
17 130 Cedar St
18 130 Liberty St
19 140 Cedar St
20 140 West St
21 155 Cedar St
22 2 World Financial Center
23 200 Liberty St
24 200 Vesey St
25 22 Cortlandt St
26 225 Liberty St
27 3 World Financial Center
28 30 West Broadway
29 375 South End Ave
30 55 Church St
31 75 Park Place
32 85 West St

33 90 Cedar St
34 90 Church St
35 90 West St
36 97 Trinity Pl
37 Bank of New York
38 Bankers Trust
39 Battery Park City
40 Borough of Manhattan Community College
41 Broadway, between Cedar & Thames Sts
42 Century 21
43 Corner of Cedar & Greenwich Sts
44 Deutsche Bank
45 Dolphin Fitness Club
46 Federal Office Building
47 Fiterman Hall
48 Gateway Plaza
49 Green Exchange Building
50 Marriott Hotel
51 Millenium Hilton Hotel
52 North Bridge
53 NYFD Ladder 10
54 Post Office
55 R.R. Donnelly and Sons Company
56 South Bridge
57 St. Nicholas Greek Catholic Church
58 U.S. Department of Internal Revenue
59 U.S. Immigration Service
60 U.S. Realty
61 Verizon
62 West St between Carlisle & Albany Sts
63 Winter Garden
64 World Trade Center 1
65 World Trade Center 2
66 World Trade Center 3
67 World Trade Center 4
68 World Trade Center 5
69 World Trade Center 6
70 World Trade Center 7
71 World Trade Center Concourse/Shopping Mall
72 Other (SPECIFY)

(SPECIFY NAME AND ADDRESS OF BUILDING OR STORE IF KNOWN)

BUILDING NAME: _____

BUILDING ADDRESS: _____

DON'T KNOW
REFUSED

O/T3a

Which floor [were you/was SUBJECT] on? (If [you were/SUBJECT was] on more than one
floor, indicate the highest floor [you were/he was/she was] on between the time of the first plane
impact and noon.)

NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11TH, 2001.

FLOOR NO. _____   [SKIP TO O/T4]
DON'T KNOW
REFUSED

[RANGE CHECK ON FLOOR NUMBER IS DETERMINED BY THE NUMBER OF FLOORS
WE HAVE DOCUMENTED FROM NYC FOR EACH BUILDING. IF NUMBER OF
FLOORS IS BLANK, RANGE=0-110.]

O/T3b

ASK ONLY IF NECESSARY: Were you in the basement, the lobby, the concourse (shopping
mall) on the mezzanine level, at the path or subway station, on a bridge between buildings, or
somewhere else?

(If you were on more than one floor, indicate the highest floor you were on between the time of
the first plane impact and noon.)

1   BASEMENT
2   LOBBY
3   CONCOURSE/SHOPPING MALL
3   MEZZANINE
4   PATH OR SUBWAY STATION
5   BRIDGE
6   SOMEWHERE ELSE
DON'T KNOW
REFUSED

O/T4a
     [ASK IF O/T1=1 AND NOT IN WTC. ELSE SKIP TO O/T4b.]

Was that [your/SUBJECT's] closest location to the World Trade Center between the time of the
first plane impact and noon?

NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11TH, 2001.

1   YES   [SKIP TO O/T5.]
2   NO
DON'T KNOW
REFUSED

O/T4b
     [ASK IF O/T1 NE 1 AND NOT IN WTC.]
     On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade
     Center between the time of the first plane impact and noon?

NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11TH, 2001.

ENTER BUILDING NAME, ADDRESS, OR INTERSECTION. IF R CANNOT PROVIDE
ANY OF THESE, TRY TO GET CLOSEST LANDMARK OR SUBWAY STATION.

BUILDING NAME: _____

ADDRESS: _____

INTERSECTION OF: _____

LANDMARK: _____

SUBWAY STATION: _____

DON'T KNOW
REFUSED

[SOFT EDIT CHECK: IF O/T4b=DK, DISPLAY: If you can't provide me with the exact address or intersection, I'd be happy to record the closest building, landmark, or subway station. Any nearby landmark would be helpful.]

O/T5

Did [you/SUBJECT] evacuate from a building or area anywhere south of Chambers Street?

1   YES
2   NO   [SKIP TO O/T7]
DON'T KNOW   [SKIP TO O/T7]
REFUSED   [SKIP TO O/T7]

O/T6

[SKIP IF O/T1=2 OR DK/REF OR IF O/T2=DK/REF.]

Was this from [FILL BUILDING FROM OT2 (LIST OR SPECIFY)?

1   YES
2   NO
DON'T KNOW
REFUSED

O/T7

Did [you/SUBJECT] begin evacuating . . .
NOTE: THE FIRST PLANE IMPACT WAS AT 8:46 AM ON SEPTEMBER 11^(TH), 2001.

1   Between the first plane impact and the second plane impact
2   DURING THE SECOND PLANE IMPACT
3   Between the second plane impact and the collapse of the first tower
4   DURING THE COLLAPSE OF THE FIRST TOWER
5   Between the collapse of the first tower and the collapse of the second tower
6   DURING THE COLLAPSE OF THE SECOND TOWER ,
7   Or after the collapse of the second tower?
DON'T KNOW
REFUSED

O/T8   [IF AGE ON 9/11 < 12 SKIP TO EX1]

On September 11^(th), 2001, was [your/SUBJECT's] usual place of work south of Chambers Street ?

1   YES
2   NO   [SKIP TO EXPOSURE SECTION]
DON'T KNOW   [SKIP TO EXPOSURE SECTION]
REFUSED   [SKIP TO EXPOSURE SECTION]

O/T9

Between September 12th, 2001 and December 31st, 2001 [did [you/SUBJECT] return to work south of Chambers Street?

1   YES
2   NO   [SKIP TO EXPOSURE SECTION]
DON'T KNOW   [SKIP TO EXPOSURE SECTION]
REFUSED   [SKIP TO EXPOSURE SECTION]

O/T10

When did [you/SUBJECT] return to work south of Chambers Street?

KEY DATES FROM 2001:
YOM KIPPUR – SEPTEMBER 27
ROSH HASHANAH – SEPTEMBER 18-19
COLUMBUS DAY – OCTOBER 8
VETERANS DAY – NOVEMBER 11
THANKSGIVING DAY – NOVEMBER 22
HANUKKAH – DECEMBER 10-17

IF RESPONDENT IS UNABLE TO PROVIDE DATE, USE ALTERNATE OPTION BELOW.

MM/DD/YYYY

ALTERNATE RESPONSE OPTION:

ABOUT ____ DAYS/WEEKS/MONTHS AFTER 9/11

DON'T KNOW
REFUSED

Exposure Section

Ex1

On September 11th, [were you/was SUBJECT] outdoors within a dust or debris cloud resulting from the collapse of the World Trade Center towers?

NOTE: BY DUST OR DEBRIS CLOUD, WE MEAN THE INITIAL CLOUD RESULTING FROM THE COLLAPSE OF THE WORLD TRADE CENTER TOWERS.

1   YES
2   NO   [SKIP TO Ex4]
DON'T KNOW   [SKIP TO Ex4]
REFUSED   [SKIP TO Ex4]

Ex2

Where [were you/was SUBJECT] when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) **first** reached [you/him/her]?.

NOTE: BY DUST OR DEBRIS CLOUD, WE MEAN THE INITIAL CLOUD RESULTING FROM THE COLLAPSE OF THE WORLD TRADE CENTER TOWERS.

ENTER ADDRESS OR INTERSECTION.

PROBE: IF R DOES NOT KNOW LOCATION, GET CLOSEST LANDMARK, SUBWAY STATION OR STREET NAME.

ADDRESS: _____

INTERSECTION OF: _____

LANDMARK: _____

SUBWAY STATION: _____

DON'T KNOW
REFUSED

[SOFT EDIT CHECK: IF EX2=DK, DISPLAY: If you can't provide me with the exact address or intersection, I'd be happy to record the closest building, landmark or subway station. Any nearby landmark would be helpful.]

Ex3a

About how much total time did [you/SUBJECT] spend outdoors in the dust or debris cloud resulting from the collapse of the World Trade Center towers?

NOTE: IF ANSWER IS LESS THAN ONE MINUTE, CODE ONE MINUTE AND CONTINUE.

NOTE: IF REGISTRANT REPORTS TIME OVER 24 HOURS, TELL THEM THAT WE'RE ONLY INTERESTED IN THE TIME SPENT IN THE DUST AND DEBRIS CLOUD ON 9/11.

NUMBER OF HOURS   _____
NUMBER OF MINUTES   _____
DON'T KNOW
REFUSED

[RANGE IS BETWEEN 0 AND 1:55 HOURS. IF ANSWER IS > 1:55 CONFIRM ANSWER. ALLOW ANY ANSWER R PROVIDES BUT CONFIRM IT ONE TIME.]

Ex3b

[ASK IF EX3a=DK]

About how much time would you estimate it was? Would you say . . .

1   Less than half an hour,

2   At least a half an hour, but less than one hour,
3   At least one hour but less than one and a half hours, or
4   At least one and a half hours up to 2 hours.
DON'T KNOW
REFUSED

Ex4

On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?

NOTE: BY "PERSONALLY WITNESS", WE MEAN SEEING THE SPECIFIED EVENT IN PERSON. R SHOULD NOT INCLUDE EVENTS HE/SHE SAW ON TELEVISION.

NOTE: FOR "ANYONE WHO WAS INJURED OR KILLED, R SHOULD NOT COUNT PEOPLE FALLING OR JUMPING FROM THE WORLD TRADE CENTER TOWERS.

                                                          YES   NO   DK   REF
a.   an airplane hitting the World Trade Center
b.   buildings collapsing
c.   people running away from a cloud of smoke
d.   anyone who was injured or killed
e.   people falling or jumping from the World
        Trade Center Towers

Worker Section [ASK IF E16=1 OR E17=1.]

W1

[ASK IF E16=1. ELSE, SKIP TO W26.]

The next questions are about working at the World Trade Center site. What was [your/SUBJECT's] first day working at the World Trade Center site?

NOTE: RESPONDENT SHOULD NOT COUNT DATES BEFORE THE WORLD TRADE CENTER DISASTER.

MM/DD/YYYY
DON'T KNOW
REFUSED

[EDIT CHECK: ALLOW ONLY DATES ON OR AFTER 9/11/01.]

W2

What was [your/SUBJECT's] **last** day working at the World Trade Center site?

MM/DD/YYYY
DON'T KNOW
REFUSED

[RANGE CHECK: ALLOW ONLY DAYS ON OR AFTER 9/11.]

 [SOFT EDIT CHECK: IF ANSWER=DK, DISPLAY: Please give me your best estimate.]

[CONSISTENCY CHECK: IF W2 < W1 DISPLAY CONSISTENCY CHECK.

I have recorded that [your/SUBJECT's] last day at the site was [W2] but that [your/SUBJECT's] first date was [W1]. Which is correct?

1=W2
2=W1

IF ANSWER=1 BO BACK TO W1. IF ANSWER=2 GO BACK TO W2.]

W3

[ASK IF STARTED BEFORE 9/18]

How many days did [you/SUBJECT] work at the (World Trade Center) site from **September 13th to September 17th, 2001**?

1   0 DAYS
2   1 DAY
3   2 DAYS
4   3 DAYS
5   4 DAYS
6   5 DAYS
7   EVERY DAY
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W2 – W1 < NUMBER OF DAYS WORKED, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W3 days] at the World Trade Center site from September 13th to September 17th, 2001, but that [you/he/she] only worked from [W1 DATE] to [W2 DATE]. Which is correct?
1   WORKED [W3] DAYS AT THE WTC SITE
2   WORKED FROM [W1 DATE] TO [W2 DATE]

IF ANSWER = 1, RETURN TO W1. IF ANSWER =2, RETURN TO W3.]

W4

[ASK IF FIRST DAY IS BEFORE 1/1/02. SKIP IF LAST DAY WAS BEFORE 9/18]

How many days did [you/SUBJECT] work (at the World Trade Center site) from **September 18th to December 31st, 2001**?

READ CATEGORIES AS NECESSARY.

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS

DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W2 – W1 < LOWER BOUND OF NUMBER OF DAYS WORKED IN W4, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W4 days] at the World Trade Center site from September 18th to December 31st, 2001, but that [you/he/she] only worked from [W1 DATE] to [W2 DATE]. Which is correct?

      1   WORKED [W4 DAYS] AT THE WTC SITE
      2   WORKED FROM [W1 DATE] TO [W2 DATE]

IF ANSWER=1, RETURN TO W1. IF ANSWER = 2, RETURN TO W4.]

W5

[SKIP IF LAST DAY WAS BEFORE 1/1/02]

How many days did [you/SUBJECT] work (at the World Trade Center site) **after December 31st, 2001**?

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W2 – W1 IS < LOWER BOUND OF NUMBER OF DAYS WORKED IN W5, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W5 DAYS] at the WTC site after January 1st, 2002, but that [you/he/she] only worked from [W1 DATE] to [W2 DATE]. Which is correct?

      1=WORKED [W5 DAYS] AT WTC SITE AFTER JANUARY 1ST, 2002.
      2=WORKED FROM [W1 DATE] TO [W2 DATE].

IF ANSWER=1 RETURN TO W1. IF ANSWER =2 RETURN TO W5.]

W6

What organization did you work for at the World Trade Center site?

1   Clergy
2   Coast Guard
    Construction Companies (Steel workers, engineers, transport, debris removal,
3   grappler and excavator, demolition, etc)
4   DMATs, Medcor, other
5   Dust control company
6   EMS (NON-NYC)
7   FDNY (includes Ladder Co, Hazmat)
8   FDNY-EMS
9   FEMA or other federal agency
10   Federal Law Enforcement (FBI, etc)
11   Fire Department Personnel (NON-NYC)
12   Medical Examiners Office (Morgue attendants, Mes)
13   MTA, Transit Authority
14   National Guard
15   New York State Department of Environmental Services
16   NYC Agency, Other
17   NYC DEPT OF DESIGN AND CONSTRUCTION (DDC)
18   NYC DEPT OF SANITATION
19   NYC EMS, Other
20   NYPD (CSUs, uniformed personnel, non-uniformed personnel)
21   NYS Agency, Other
22   NYS Law Enforcement (State troopers)
23   Pest control company
24   Port Authority Police (PAP)
25   Port Authority Personnel, Other
26   Secret Service
27   Urban Search & Rescue Teams NYS, NYC, Other
28   US Corps of Engineers
29   US Corps of Engineers Contractor (EE&G)
30   US Corps of Engineers Contractor Phillips and Jordan

31   US Environmental Protection Agency
32   Utility Companies (phone/gas/cable/water/electric)
33   Volunteer (non-affiliated)
34   Volunteer Organization (including Red Cross and Salvation Army)
35   OTHER (SPECIFY)
     DON'T KNOW
     REFUSED

W7

Did you ever work on the pile at the World Trade Center site?

NOTE: THE "PILE" REFERS TO THE MOUND OF RUBBLE FROM THE COLLAPSE OF
THE WTC BUILDINGS AND SURROUNDING INFRASTRUCTURE AND WAS THE
FOCUS OF THE SEARCH, RESCUE AND RECOVERY OPERATIONS. THE "PILE" ALSO
REFERS TO THE GEOGRAPHIC AREA OF THE COLLAPSED BUILDINGS AND IS
SMALLER THAN THE FULL WTC SITE. THE PILE WAS THE SOURCE AND LOCATION
OF THE LONG-BURNING FIRES.

      1   YES
      2   NO   [SKIP TO W10]
      DON'T KNOW   [SKIP TO W10]
      REFUSED   [SKIP TO W10]

W8

[ASK IF W1=9/11/01 AND W7=1. ELSE SKIP TO W10.]

And did you work on the pile on **September 11th, 2001**?

      1   YES
      2   NO   [SKIP TO W10]
      DON'T KNOW   [SKIP TO W10]
      REFUSED   [SKIP TO W10]

W9

[ASK IF W8=1]

On **September 11th, 2001**, did you perform any of the following activities on the pile?

NOTE: RESPONDENTS SHOULD NOT COUNT SUPERVISING THESE
ACTIVITIES IF THEY DID NOT ACTUALLY PERFORM THE LABOR
THEMSELVES, EVEN IF THEY WERE SUPERVISING THE ACTIVITY WHILE
STANDING ON THE PILE.

a. Firefighting	YES	NO	DK	REFUSED
b. Search and rescue	YES	NO	DK	REFUSED
c. Hand digging	YES	NO	DK	REFUSED
d. Welding/steelcutting/torch operation	YES	NO	DK	REFUSED
e. Heavy equipment operation	YES	NO	DK	REFUSED
f. Light construction	YES	NO	DK	REFUSED

W10

[ASK IF W1=9/11.]
On **September 11th, 2001**, did [you/SUBJECT] wear a mask . . .

      1   all of the time
      2   most of the time
      3   some of the time, or
      4   not at all?
      DON'T KNOW
      REFUSED

W11

[ASK IF W1=9/11/01 OR 9/12/01 AND W7=1. ELSE SKIP TO W13.]

Did you work on the pile on **September 12th, 2001**?

      1   YES
      2   NO   [SKIP TO W13]

DON'T KNOW   [SKIP TO W13]
REFUSED   [SKIP TO W13]

W12

[ASK IF W11=1]

On **September 12th, 2001**, did [you/SUBJECT] perform any of the following activities on the pile?

NOTE: RESPONDENTS SHOULD NOT COUNT SUPERVISING THESE ACTIVITIES IF THEY DID NOT ACTUALLY PERFORM THE LABOR THEMSELVES, EVEN IF THEY WERE SUPERVISING THE ACTIVITY WHILE STANDING ON THE PILE.

a. Firefighting	YES	NO	DK	REFUSED
b. Search and rescue	YES	NO	DK	REFUSED
c. Hand digging	YES	NO	DK	REFUSED
d. Welding/steelcutting/torch operation	YES	NO	DK	REFUSED
e. Heavy equipment operation	YES	NO	DK	REFUSED
f. Light construction	YES	NO	DK	REFUSED

W13

[ASK IF (W1=9/11 AND W2 NE 9/11) OR W1=9/12]

On **September 12th, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W14

[ASK IF W3=2 – 7 AND W=1]

Did [you/SUBJECT] work on the pile at any time from **September 13th** to **September 17th, 2001**?

1   YES
2   NO   [SKIP TO W17]
DON'T KNOW   [SKIP TO W17]
REFUSED   [SKIP TO W17]

W15

[ASK IF W14=1]

On those days you worked from **September 13th** to **September 17th 2001**, did [you/SUBJECT] perform any of the following activities on the pile?

NOTE: RESPONDENTS SHOULD NOT COUNT SUPERVISING THESE

ACTIVITIES IF THEY DID NOT ACTUALLY PERFORM THE LABOR
THEMSELVES, EVEN IF THEY WERE SUPERVISING THE ACTIVITY WHILE
STANDING ON THE PILE.

a. Firefighting	yes	no	DK	Refused
b. Search and rescue	yes	no	DK	Refused
c. Hand digging	yes	no	DK	Refused
d. Welding/steelcutting/torch operation	yes	no	DK	Refused
e. Heavy equipment operation	yes	no	DK	Refused
f. Light construction	yes	no	DK	Refused

W16

[ASK IF W14=1]
On those days you worked from **September 13th** to **September 17th, 2001**, which area of
the World Trade Center site did [you/SUBJECT] work in?

MARK ALL THAT APPLY.   READ ANSWERS IF NECESSARY. CONFIRM WITH
RESPONDENT BY READING THE FULL ANSWER CATEGORY.

1   EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)
2   NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)
3   SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)
4   7 WORLD TRADE CENTER (TURNER SECTOR)
6   OTHER (SPECIFY _____)
DON'T KNOW
REFUSED

W17

[ASK IF W3=2 – 7]

From **September 13th** to **September 17th, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W18

[ASK IF W4 = 2 – 6 AND W7=1. ELSE SKIP TO W21.]

Did [you/SUBJECT] work on the pile at any time from **September 18th to December 31st**, 2001?

1   YES
2   NO   [SKIP TO W21]
DON'T KNOW   [SKIP TO W21]
REFUSED   [SKIP TO W21]

W19

[ASK IF W18=1]

On those days [you/SUBJECT] worked from **September 18th** to **December 31st 2001**, did [you/SUBJECT] perform any of the following activities on the pile?

NOTE: RESPONDENTS SHOULD NOT COUNT SUPERVISING THESE ACTIVITIES IF THEY DID NOT ACTUALLY PERFORM THE LABOR THEMSELVES, EVEN IF THEY WERE SUPERVISING THE ACTIVITY WHILE STANDING ON THE PILE.

a. Firefighting	YES	NO	DK	REFUSED
b. Search and rescue	YES	NO	DK	REFUSED
c. Hand digging	YES	NO	DK	REFUSED
d. Welding/steelcutting/torch operation	YES	NO	DK	REFUSED
e. Heavy equipment operation	YES	NO	DK	REFUSED
f. Light construction	YES	NO	DK	REFUSED

W20

[ASK IF W18=1]

On those days you worked from **September 18th** to **December 31st, 2001**, which area of the World Trade Center site did [you/SUBJECT] work in?

MARK ALL THAT APPLY.

READ ANSWERS IF NECESSARY. CONFIRM WITH RESPONDENT BY READING THE FULL ANSWER CATEGORY.

1   EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)
2   NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)
3   SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)
4   7 WORLD TRADE CENTER (TURNER SECTOR)
6   OTHER (SPECIFY _____)
DON'T KNOW
REFUSED

W21

[ASK IF W4=2-6]

From **September 18th** to **December 31st, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W22

[ASK IF W5=2-6 AND W7=1]

On those days [you/SUBJECT] worked **after December 31st, 2001**, did [you/SUBJECT] work on the pile?

1	YES	
2	NO	[SKIP TO W25]
	DON'T KNOW	[SKIP TO W25]
	REFUSED	[SKIP TO W25]

W23

[ASK IF W22 =1]

Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site **after December 31st, 2001**?

NOTE: RESPONDENTS SHOULD NOT COUNT SUPERVISING THESE ACTIVITIES IF THEY DID NOT ACTUALLY PERFORM THE LABOR THEMSELVES, EVEN IF THEY WERE SUPERVISING THE ACTIVITY WHILE STANDING ON THE PILE.

a. Firefighting	YES	NO	DK	REFUSED
b. Search and rescue	YES	NO	DK	REFUSED
c. Hand digging	YES	NO	DK	REFUSED
d. Welding/steelcutting/torch operation	YES	NO	DK	REFUSED
e. Heavy equipment operation	YES	NO	DK	REFUSED
f. Light construction	YES	NO	DK	REFUSED

W24

[ASK IF W22 =1]

On those days you worked **after December 31st, 2001**, which area of the World Trade Center site did [you/SUBJECT] work in?

MARK ALL THAT APPLY.

READ ANSWERS IF NECESSARY. CONFIRM WITH RESPONDENT BY READING THE FULL ANSWER CATEGORY.

1	EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)
2	NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)
3	SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)
4	7 WORLD TRADE CENTER (TURNER SECTOR)
6	OTHER (SPECIFY _____)
	DON'T KNOW
	REFUSED

W25

[ASK IF W5=2-6]

After December 31st, 2001, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W26

[ASK IF E17=1. ELSE SKIP TO RESIDENT SECTION.]

Earlier, you reported that [you/SUBJECT] worked at either the World Trade Center Recovery Operation on Staten Island or on a barge. Which of these did [you/SUBJECT] work on?

1   WORLD TRADE CENTER RECOVERY OPERATION ON STATEN ISLAND
2   BARGE   [SKIP TO W36]
3   BOTH
DON'T KNOW   [SKIP TO RESIDENT SECTION]
REFUSED   [SKIP TO RESIDENT SECTION]

W27

From **September 12th 2001**, what was [your/SUBJECT's] first day working at the World Trade Center Recovery Operation on Staten Island?

MM/DD/YYYY

DON'T KNOW
REFUSED

W28

What was [your/SUBJECT's] **last** day working at the World Trade Center Recovery Operation on Staten Island?

MM/DD/YYYY
DON'T KNOW
REFUSED

[EDIT CHECK: ALLOW ONLY DAYS ON OR AFTER 9/12/01

[CONSISTENCY CHECK: IF W28 < W27 DISPLAY CONSISTENCY CHECK.

   I have recorded that [your/SUBJECT's] last day at the site was [W28] but that
   [your/SUBJECT's] first date was [W27]. Which is correct?

   1=W28
   2=W27

IF ANSWER=1 BO BACK TO W27. IF ANSWER=2 GO BACK TO W28.]

W29

[ASK IF DATE IN W27 AND W28 IS BETWEEN 9/12/01 AND 12/31/01. ELSE SKIP TO W32]

From **September 12th, 2001** to **December 31st, 2001**, how many days did [you/SUBJECT] work at the World Trade Center Recovery Operation on Staten Island?

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W28-W27 < LOWER BOUND OF NUMBER OF DAYS IN W29, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W29 days] at the World Trade Center Recovery Operation on Staten Island from September 12th to December 31st, 2001, but that [you/he/she] only worked from [W27 DATE] to [W28 DATE]. Which is correct?

1   WORKED [W29 DAYS] AT THE WTC RECOVERY OPERATION ON STATEN ISLAND
2   WORKED FROM [W27 DATE] TO [W28 DATE].

IF ANSWER=1, RETURN TO W27. IF ANSWER =2, RETURN TO W29.]

W30

From **September 12th, 2001** to **December 31st, 2001**, did [you/SUBJECT] work in the exclusion zone?

NOTE: THIS QUESTION REFERS TO EXCLUSION ZONES AND DEBRIS SORTING AREAS AT THE WORLD TRADE CENTER RECOVERY OPERATION ON STATEN ISLAND ONLY. IT DOES NOT INCLUDE THE EXCLUSION ZONE AT THE WORLD TRADE CENTER SITE.

1   YES
1   NO
DON'T KNOW
REFUSED

W31

From **September 12th, 2001** to **December 31st, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or

4   not at all?
DON'T KNOW
REFUSED

W32

[ASK IF DATE IN W28 IS ON AFTER 12/31/01. ELSE SKIP TO W35]

After December 31st, 2001, how many days did [you/SUBJECT] work at the World Trade Center Recovery Operation on Staten Island?

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W28-W27 < LOWER BOUND OF NUMBER OF DAYS IN W32, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W32 days] at the World Trade Center Recovery Operation on Staten Island after December 31st, 2001, but that [you/he/she] only worked from [W27 DATE] to [W28 DATE]. Which is correct?

1   WORKED [W32 DAYS] AT THE WTC RECOVERY OPERATION ON
        STATEN ISLAND
2   WORKED FROM [W27 DATE] TO [W28 DATE].

IF ANSWER=1, RETURN TO W27. IF ANSWER =2, RETURN TO W32.]

W33

[ASK IF W32=2-6. ELSE SKIP TO W35.]

After December 31st, 2001, did [you/SUBJECT] work in the exclusion zone?

NOTE: THIS QUESTION REFERS TO EXCLUSION ZONES AND DEBRIS SORTING AREAS AT THE WORLD TRADE CENTER RECOVERY OPERATION ON STATEN ISLAND ONLY. IT DOES NOT INCLUDE THE EXCLUSION ZONE AT THE WORLD TRADE CENTER SITE.

1   YES
2   NO
DON'T KNOW
REFUSED

W34

(After December 31st, 2001,) Did [you/SUBJECT] wear a mask . . .

1   all of the time

2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W35

[ASK IF W26=1 OR 3]

What organization did [you/SUBJECT] work for at the World Trade Center Recovery Operation on Staten Island?

1   Clergy
2   Coast Guard
     Construction Companies (Steel workers, engineers, transport, debris removal,
3   grappler and excavator, demolition, etc)
4   DMATs, Medcor, other
5   Dust control company
6   EMS (NON-NYC)
7   FDNY (includes Ladder Co, Hazmat)
8   FDNY-EMS
9   FEMA or other federal agency
10 Federal Law Enforcement (FBI, etc)
11 Fire Department Personnel (NON-NYC)
12 Medical Examiners Office (Morgue attendants, Mes)
13 MTA, Transit Authority
14 National Guard
15 New York State Department of Environmental Services
16 NYC Agency, Other
17 NYC DEPT OF DESIGN AND CONSTRUCTION (DDC)
18 NYC DEPT OF SANITATION
19 NYC EMS, Other
20 NYPD (CSUs, uniformed personnel, non-uniformed personnel)
21 NYS Agency, Other
22 NYS Law Enforcement (State troopers)
23 Pest control company
24 Port Authority Police (PAP)
25 Port Authority Personnel, Other
26 Secret Service
27 Urban Search & Rescue Teams NYS, NYC, Other
28 US Corps of Engineers
29 US Corps of Engineers Contractor (EE&G)
30 US Corps of Engineers Contractor Phillips and Jordan

31 US Environmental Protection Agency
32 Utility Companies (phone/gas/cable/water/electric)
33 Volunteer (non-affiliated)
34 Volunteer Organization (including Red Cross and Salvation Army)
35 OTHER (SPECIFY)
     DON'T KNOW
     REFUSED

W36

[ASK IF W26=2 OR 3. ELSE, SKIP TO RESIDENT SECTION.]

What was [your/SUBJECT's] **first** day working on a barge?

MM/DD/YYYY
DON'T KNOW
REFUSED

[EDIT CHECK: ALLOW ONLY DATES BEFORE 6/30/02.]

W37

What was [your/SUBJECT's] **last** day working on a barge?

MM/DD/YYYY
DON'T KNOW
REFUSED

[EDIT CHECK: ALLOW ONLY DAYS AFTER 9/11.]

[CONSISTENCY CHECK: IF W37 < W36 DISPLAY CONSISTENCY CHECK.

   I have recorded that [your/SUBJECT's] last day at the site was [W37] but that
   [your/SUBJECT's] first date was [W36]. Which is correct?

   1=W37
   2=W36

IF ANSWER=1 BO BACK TO W36. IF ANSWER=2 GO BACK TO W37.]

W38

[ASK IF W36=9/12]

On **September 12th, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W39

[ASK IF STARTED BEFORE 9/18 AND LAST DAY WAS NOT 9/12.]

How many days did [you/SUBJECT] work on a barge from **September 13th** to **September 17th, 2001**?

1   0 DAYS

2   1 DAY
3   2 DAYS
4   3 DAYS
5   4 DAYS
6   5 DAYS
7   EVERY DAY
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W37-W36 < LOWER BOUND OF NUMBER OF DAYS IN W39, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W39 days] on a barge from September 13th to September 17th, 2001, but that [you/he/she] only worked from [W36 DATE] to [W37 DATE]. Which is correct?

1   WORKED [W39 DAYS] ON A BARGE
2   WORKED FROM [W36 DATE] TO [W37 DATE].

IF ANSWER=1, RETURN TO W36. IF ANSWER =2, RETURN TO W39.]

W40

[ASK IF W39=2 - 7]

From **September 13th** to **September 17th, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W41

[ASK IF FIRST DAY IS BEFORE 1/1/02. SKIP IF LAST DAY WAS BEFORE 9/18]

How many days did [you/SUBJECT] work (on a barge) from **September 18th** to **December 31st, 2001**?

READ CATEGORIES AS NECESSARY.

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W37-W36 < LOWER BOUND OF NUMBER OF DAYS IN
        W41, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W41 days] on a barge from September 18th to December 31st, 2001, but that [you/he/she] only worked from [W36 DATE] to [W37 DATE]. Which is correct?

1   WORKED [W41 DAYS] ON A BARGE
2   WORKED FROM [W36 DATE] TO [W37 DATE].

IF ANSWER=1, RETURN TO W36. IF ANSWER =2, RETURN TO W41.]

W42

[ASK IF W41=2-6]

From **September 18th** to **December 31st, 2001**, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

W43

[SKIP IF LAST DAY WAS BEFORE 1/1]

How many days did [you/SUBJECT] work (on a barge) **after December 31st, 2001**?

1   0 DAYS
2   1 TO 2 DAYS
3   3 TO 6 DAYS
4   7 TO 30 DAYS
5   31 TO 60 DAYS
6   MORE THAN 60 DAYS
DON'T KNOW
REFUSED

[CONSISTENCY CHECK: IF W37-W36 < LOWER BOUND OF NUMBER OF DAYS IN W43, DISPLAY CONSISTENCY CHECK.

I have recorded that [you/SUBJECT] worked [W43 days] on a barge after December 31st, 2001, but that [you/he/she] only worked from [W36 DATE] to [W37 DATE]. Which is correct?

1   WORKED [W43 DAYS] ON A BARGE
2   WORKED FROM [W36 DATE] TO [W37 DATE].

IF ANSWER=1, RETURN TO W36. IF ANSWER =2, RETURN TO W43.]

W44

[ASK IF W43=2-6]

After December 31st, 2001, did [you/SUBJECT] wear a mask . . .

1   all of the time
2   most of the time
3   some of the time, or
4   not at all?
DON'T KNOW
REFUSED

Resident [ASK IF RESIDENT=1. ELSE SKIP TO HEALTH SECTION.]

RES1

The next questions are about living in your home in the period after 9/11.

As a result of the World Trade Center disaster, did [you/SUBJECT] have to leave (your/his/her) home?

1   YES
2   NO   SKIP TO RES 5
DON'T KNOW   SKIP TO RES 5
REFUSE   SKIP TO RES 5

RES2

Did [you/SUBJECT] ever return to live in (your/his/her) home after (you/he/she) left?

1   YES
2   NO   SKIP TO RES 7
DON'T KNOW   SKIP TO RES 7
REFUSE   SKIP TO RES 7

RES3

What date did [you/SUBJECT] go back home to live?

KEY DATES FROM 2001:
YOM KIPPUR – SEPTEMBER 27
ROSH HASHANAH – SEPTEMBER 18-19
COLUMBUS DAY – OCTOBER 8
VETERANS DAY – NOVEMBER 11
THANKSGIVING DAY – NOVEMBER 22
HANUKKAH – DECEMBER 10-17

IF RESPONDENT IS UNABLE TO PROVIDE DATE, USE ALTERNATE OPTION BELOW.

MM/DD/YYYY

ALTERNATE RESPONSE OPTION:

ABOUT ____ DAYS/WEEKS/MONTHS AFTER 9/11

DON'T KNOW
REFUSED

[CHECK DATE IN RES 3 IS BEFORE JANUARY 1, 2002.
IF NOT GO TO RES5]

RES4

From September 11th, 2001 to December 31st, 2001, how many nights did [you/SUBJECT] sleep in (your/his/her) home?

KEY DATES FROM 2001:
YOM KIPPUR – SEPTEMBER 27
ROSH HASHANAH – SEPTEMBER 18-19
COLUMBUS DAY – OCTOBER 8
VETERANS DAY – NOVEMBER 11
THANKSGIVING DAY – NOVEMBER 22
HANUKKAH – DECEMBER 10-17

ENTER ANSWER IN DAYS, WEEKS OR MONTHS.

DAYS _____ [0 TO 120]

WEEKS_____ [0-12]

MONTHS _____[0 – 3]

DON'T KNOW
REFUSE

[SOFT RANGE CHECK: IF RES4=DK, DISPLAY: Please give me your best estimate. You can provide your answer in days, weeks, or months. If it would help you remember, I can tell you the dates of some of the major holidays in 2001.]

[CONSISTENCY CHECK: IF DATE IN RES3 – 9/11/01 < DAYS, WEEKS, OR MONTHS IN RES4, DISPLAY CONSISTENCY CHECK:

I have recorded that [you/SUBJECT] slept in [your/his/her] home for [RES4 DAYS/WEEKS/MONTHS] from September 11th to December 31st 2001, but that [you/SUBJECT] went back home to live on [RES3 DATE]. Which is correct?

    1   SLEPT IN HOME FOR [RES4 DAYS/WEEKS/MONTHS] FROM SEPTEMBER11TH TO DECEMBER 31ST 2001.
    2   WENT BACK HOME TO LIVE ON [RES3 DATE].
    3   BOTH ARE CORRECT.

IF ANSWER=1, GO BACK TO RES3. IF ANSWER=2 RETURN TO RES4. ELSE CONTINUE TO NEXT QUESTION.]

RES5

[IF SPAWN AND PROXY IS SAME RESPONDENT, SKIP TO HLTH1.]

The next questions are about cleaning your home after 9/11. When did you first attempt to clean your home after 9/11/01?

KEY DATES FROM 2001:
YOM KIPPUR – SEPTEMBER 27
ROSH HASHANAH – SEPTEMBER 18-19

COLUMBUS DAY – OCTOBER 8
VETERANS DAY – NOVEMBER 11
THANKSGIVING DAY – NOVEMBER 22
HANUKKAH – DECEMBER 10-17

IF RESPONDENT IS UNABLE TO PROVIDE DATE, USE ALTERNATE OPTION BELOW.

MM/DD/YYYY

ALTERNATE RESPONSE OPTION:

ABOUT ____ DAYS/WEEKS/MONTHS AFTER 9/11
DID NOT CLEAN   [SKIP TO RES7]
DON'T KNOW
REFUSED

[SOFT EDIT CHECK: IF RES5=DK, DISPLAY: Please give me your best estimate.   If you can't remember the exact date, you can provide your answer in days, weeks, or months after 9/11. If it would help you remember, I can tell you the dates of some of the major holidays in 2001.]

RES6

How did [you/SUBJECT] clean your home during the first cleaning(s) after 9/11? Did [you/he/she] use . . .

SELECT ALL THAT APPLY

NOTE: A HEPA FILTER IS A HIGH ENERGY PARTICULATE AIR FILTER THAT REMOVES VERY SMALL DUST AND MICROBE PARTICLES FROM THE AIR.

1   damp cloth/wet mop/damp sponge
2   vacuum with a HEPA filter
3   vacuum without a HEPA filter
4   dusted/swept w/o water
5   OTHER
6   DID NOT CLEAN
DON'T KNOW
REFUSED

RES7

How many people, including (yourself/SUBJECT), lived in (your/his/her) home on September 11th, 2001?

PEOPLE: _____   [IF 1 SKIP TO NEXT SECTION.]
DON'T KNOW   [SKIP TO NEXT SECTION]
REFUSED   [SKIP TO NEXT SECTION]

RES8

[SKIP IF SPAWN=1 AND I9=1]
Please tell me the name, age, date of birth, and sex of each person living in [your/SUBJECT's]

household on September 11th, 2001, not including [yourself/SUBJECT.] Start with the oldest person and work down in age.

IF NAMES ARE PRELOADED, REVIEW THE LIST AND INDICATE WHETHER EACH PERSON IN THE LIST BELOW IS NAMED BY R. FOLLOW UP WITH PROBES FOR AGE, DOB, AND SEX IF IT IS UNCLEAR WHETHER R IS NAMING LISTED PERSON.

IF R DOES NOT NAME ONE OR MORE PEOPLE ON THE LIST, PROBE TO DETERMINE IF THAT PERSON SHOULD BE NAMED.

Name	Age	DOB	Sex	Did R name this person?
Person 1 Name	28	8-4-74	M	1=Yes 2=No
Person 2 Name	28	11-11-74	F	1=Yes 2=No
Person 3 Name	5	9-1-97	M	1=Yes 2=No

BUTTONS: "CONTINUE" "ADD NAME(S)"

Note: Interviewer will indicate whether or not R reported HH member by selecting "Yes" or "No" in the "Named by R?" column. Interviewer will probe all names listed that R does not mention. Interviewer will select "ADD NAME" to add additional names to the list.

Health

HLTH1

The next questions are about [your/SUBJECT's health since 9/11. We'd like to find out about symptoms [you/SUBJECT] may have had after 9/11, as well as symptoms [you/SUBJECT] had before 9/11 that have gotten worse since then. On 9/11, did [you/SUBJECT] have any of the following injuries as a result of the World Trade Center terrorist attack?

                                                  YES   NO   DK   REF
a.   Cut, abrasion, or puncture wound
b.   Eye injury/Eye irritation
c.   Sprain or strain
d.   Burn
e.   Broken bone (fracture) or dislocation
f.   Concussion/head injury/knocked out by
       being hit on the head
g.   Any other type of injury on 9/11?

HLTH2

Since 9/11, [have you/has SUBJECT] had any of the following symptoms?

                                              YES   NO   DK   REF
a.   wheezing
b.   shortness of breath
c.   persistent cough
d.   sinus problems, nose irritation,
             or post nasal irritation

e.   eye irritation
f.   throat irritation
g.   skin rash or irritation
h.   hearing problem or loss
i.   frequent severe headaches
j.   heartburn, indigestion or reflux
k.   depression, anxiety, or any other
          emotional problem
l.   OTHER

HLTH3a
       [ASK IF HLTH2a=1]

       Before 9/11 did [you/SUBJECT] have wheezing?

       1   YES
       2   NO
       DON'T KNOW
       REFUSED

HLTH3b
       [ASK IF HLTH3a=1]

       Did [your/SUBJECT's] wheezing get worse after 9/11?

       1   YES
       2   NO
       DON'T KNOW
       REFUSED

HLTH4a
       [ASK IF HLTH2b=1]

       Before 9/11 did [you/SUBJECT] have shortness of breath?

       1   YES
       2   NO
       DON'T KNOW
       REFUSED

HLTH4b
       [ASK IF HLTH4a=1]

       Did [your/SUBJECT's] shortness of breath get worse after 9/11?

       1   YES
       2   NO
       DON'T KNOW
       REFUSED

HLTH5a

    [ASK IF HLTH2c=1]

    Before 9/11 did [you/SUBJECT] have a persistent cough?
    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH5b

    [ASK IF HLTH5a=1]

    Did [your/SUBJECT's] persistent cough get worse after 9/11?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH6a

    [ASK IF HLTH2d=1]

    Before 9/11 did [you/SUBJECT] have sinus problems, nose irritation, or post nasal irritation?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH6b

    [ASK IF HLTH6a=1]

    Did [your/SUBJECT's] sinus problems, nose irritation, or post nasal irritation get worse after 9/11?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH7a

    [ASK IF HLTH2e=1]

    Before 9/11 did [you/SUBJECT] have an eye irritation?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH7b
    [ASK IF HLTH7a=1]

    Did [your/SUBJECT's] eye irritation get worse after 9/11?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH8a
    [ASK IF HLTH2f=1]

    Before 9/11 did [you/SUBJECT] have a throat irritation?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH8b
    [ASK IF HLTH8a=1]

    Did [your/SUBJECT'S] throat irritation get worse after 9/11?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH9a
    [ASK IF HLTH2g=1]

    Before 9/11 did [you/SUBJECT] have a skin rash or irritation?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH9b
    [ASK IF HLTH9a=1]

    Did [your/SUBJECT's] skin rash or irritation get worse after 9/11?

    1   YES
    2   NO
    DON'T KNOW
    REFUSED

HLTH10a

[ASK IF HLTH2h=1]

Before 9/11 did [you/SUBJECT] have a hearing problem or hearing loss?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH10b

[ASK IF HLTH10a=1]

Did [your/SUBJECT's] hearing problem or hearing loss get worse after 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH11a

[ASK IF HLTH2i=1]

Before 9/11 did [you/SUBJECT] have frequent severe headaches?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH11b

[ASK IF HLTH11a=1]

Did [your/SUBJECT's] frequent severe headaches get worse after 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH12a

[ASK IF HLTH2j=1]

Before 9/11 did [you/SUBJECT] have heartburn, indigestion, or reflux?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH12b
[ASK IF HLTH12a=1]

Did [your/SUBJECT's] heartburn, indigestion, or reflux get worse after 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH13a
[ASK IF HLTH2k=1]

Before 9/11 did [you/SUBJECT] have depression, anxiety or any other emotional problem?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH13b
[ASK IF HLTH13a=1]

Did [your/SUBJECT's] depression, anxiety, or other emotional problem get worse after 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH14a
[ASK IF HLTH2l=1]

Before 9/11 did [you/SUBJECT] have [FILL OTHER PROBLEM]?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH14b
[ASK IF HLTH14a=1]

Did [your/SUBJECT's] [FILL OTHER PROBLEM] get worse after 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH15

The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] **ever** had, including before 9/11. [Have you/Has SUBJECT] **ever** been told by a doctor or other health professional that you had . . .

	YES	NO	DK	REF

a   Asthma
b   Hypertension, also called high blood pressure
c   Coronary heart disease
d   Angina, also called angina pectoris
e   A heart attack (also called myocardial infarction)
f   Any other kind of heart condition or heart disease
g   A stroke
h   Emphysema
i   Diabetes or sugar diabetes
j   Cancer or a malignancy of any kind.

HLTH16a

[IF HLTH15a=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had asthma before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16b

[IF HLTH15b=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had hypertension, also called high blood pressure, before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16c

[IF HLTH15c=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had coronary heart disease before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16d
[IF HLTH15d=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had angina (also called angina pectoris) before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16e
[IF HLTH15e=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had a heart attack (also called myocardial infarction) before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16f
[IF HLTH15f=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had any other kind of heart condition or heart disease before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16g
[IF HLTH15g=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had a stroke before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16h
[IF HLTH15h=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had a emphysema before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11

DON'T KNOW
REFUSED

HLTH16i

[IF HLTH15i=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had diabetes or sugar diabetes before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16j

[IF HLTH15j=1]

Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had cancer or a malignancy of any kind before 9/11 or after 9/11?

1   BEFORE 9/11
2   AFTER 9/11
DON'T KNOW
REFUSED

HLTH16k

[ASK IF HLTH15j=1]

What kind of cancer was it?

1   BLADDER
2   BLOOD
3   BONE
4   BRAIN
5   BREAST
6   CERVIX
7   COLON
8   ESOPHAGUS
9   GALLBLADDER
10   KIDNEY
11   LARYNX-WINDPIPE
12   LEUKEMIA
13   LIVER
14   LUNG
15   LYMPHOMA
16   MELANOMA
17   MOUTH/TONGUE/LIP
18   OVARY
19   PANCREAS
20   PROSTATE
21   RECTUM

22   SKIN (NON-MELANOMA)
23   SKIN (DON'T KNOW WHAT KIND)
24   SOFT TISSUE
25   STOMACH
26   TESTIS
27   THROAT – PHARYNX
28   THYROID
29   UTERUS
30   OTHER
DON'T KNOW
REFUSED

HLTH17a

[IF PROXY IS ANSWERING FOR A CHILD YOUNGER THAN 18 YEARS OF AGE THEN SKIP TO HLTH36]

During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel …

So **sad** that nothing could cheer [you/SUBJECT] up?

1   All of the time
2   Most of the time
3   Some of the time
4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH17b

During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel …

Nervous?

1   All of the time
2   Most of the time
3   Some of the time
4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH17c

During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel …
Restless or fidgety?

1   All of the time
2   Most of the time
3   Some of the time

4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH17d
During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel
…

Hopeless?

1   All of the time
2   Most of the time
3   Some of the time
4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH17e
During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel
…

That everything was an effort?

1   All of the time
2   Most of the time
3   Some of the time
4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH17f
During the past 30 days, that is, since (REFERENCE DATE) how often did [you/SUBJECT] feel
…

Worthless?

1   All of the time
2   Most of the time
3   Some of the time
4   A little of the time
5   None of the time
DON'T KNOW
REFUSED

HLTH18
[ASK HLTH18 IF AT LEAST ONE OF HLTH17a-f =1-3. ELSE SKIP TO HLTH19.]

We just talked about a number of feelings [you/SUBJECT] had during the past 30 days,
that is, since (REFERENCE DATE). Altogether, how **much** did these feelings interfere

with [your/SUBJECT's] life or activities: a lot, some, a little, or not at all?

    1   A LOT
    2   SOME
    3   A LITTLE
    4   NOT AT ALL
    DON'T KNOW
    REFUSED

HLTH19

I'm going to read you a list of problems and complaints that people sometimes have in response to stressful life experiences like the events of 9/11. Please tell me how much [you have/SUBJECT has] been bothered by each problem during the past 4 weeks, that is, since [REFERENCE DATE]

In the past 4 weeks, how much [have you/has SUBJECT] been bothered by repeated, disturbing memories, thoughts, or images of the events of 9/11?

    1   Not at all
    2   A little bit
    3   Moderately
    4   Quite a bit
    5   Extremely
    DON'T KNOW
    REFUSED

HLTH20

In the past 4 weeks, how much [have you/has SUBJECT] been bothered by repeated, disturbing dreams of the events of 9/11?

    1   Not at all
    2   A little bit
    3   Moderately
    4   Quite a bit
    5   Extremely
    DON'T KNOW
    REFUSED

HLTH21

In the past 4 weeks, how much [have you/has SUBJECT] been bothered by suddenly acting or feeling as if the events of 9/11 were happening again (as if [you/SUBJECT] were reliving them)?
    1   Not at all
    2   A little bit
    3   Moderately
    4   Quite a bit
    5   Extremely
    DON'T KNOW
    REFUSED

HLTH22

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling very upset when something reminded you of the events of 9/11?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH23

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) having physical reactions (e.g., heart pounding, trouble breathing, sweating) when something reminded you of the events of 9/11?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH24

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) avoiding thinking about or talking about the events of 9/11 or avoiding having feelings related to it?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH25

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) avoiding activities or situations because they reminded you of the events of 9/11?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit

5   Extremely
DON'T KNOW
REFUSED

HLTH26

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) trouble remembering important parts of the events of 9/11?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH27

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) loss of interest in activities that you used to enjoy?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH28

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling distant or cut off from other people?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH29

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling emotionally numb or being unable to have loving feelings for those close to you?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely

DON'T KNOW
REFUSED

HLTH30

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling as if your future somehow will be cut short?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH31

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) trouble falling or staying asleep?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH32

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling irritable or having angry outbursts?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH33

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) having difficulty concentrating?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH34

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) being "superalert" or watchful or on guard?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH35

(In the past 4 weeks, how much [have you/has SUBJECT] been bothered by) feeling jumpy or easily startled?

1   Not at all
2   A little bit
3   Moderately
4   Quite a bit
5   Extremely
DON'T KNOW
REFUSED

HLTH36

[ASK IF PROXY ANSWERING FOR CHILD. ELSE SKIP **TO HLTH44.**]

For these next questions, we want you to tell us what you've learned or been told about [SUBJECT]'s behavior during the past 4 weeks, that is, since [REFERENCE DATE] in relation to the World Trade Center disaster.

In the past 4 weeks, has [SUBJECT] often thought about what happened at the World Trade Center or what [he/she] saw?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH37

In the past 4 weeks, has [SUBJECT] had problems falling asleep or staying asleep because of 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH38

In the past 4 weeks, has [SUBJECT] had a lot of nightmares because of 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH39

(In the past 4 weeks,) has [SUBJECT] tried not to think about the World Trade Center attack and does not want to hear about it or talk about it?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH40

(In the past 4 weeks,) has [SUBJECT] avoided going places or doing things that might make (him/her) think about the attack?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH41

(In the past 4 weeks,) has [SUBJECT] tried to keep away from people who might remind (him/her) of the World Trade Center attack?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH42

(In the past 4 weeks,) has [SUBJECT] avoided thinking about the future or about things (he/she) might do when (he/she) are older because of 9/11?

1   YES
2   NO
DON'T KNOW
REFUSED

HLTH43

(In the past 4 weeks,) has it been hard for SUBJECT to keep her/his mind on things or to concentrate because of 9/11?

1   YES
2   NO

DON'T KNOW
REFUSED

PTSD Scoring (Lifenet variable)

IF HLTH17a + HLTH17b + HLTH17c + HLTH17d + HLTH17e + HLTH17f < 12 AND
HLTH19 + HLTH20 + HLTH21 + HLTH22 + HLTH23 + HLTH24 + HLTH25 +
HLTH26 + HLTH27 + HLTH28 + HLTH29 + HLTH30 + HLTH31 + HLTH32 +
HLTH33 + HLTH34 + HLTH35 = 45 – 49 SET LIFENET=1.

IF HLTH19 + HLTH20 + HLTH21 + HLTH22 + HLTH23 + HLTH24 + HLTH25 +
HLTH26 + HLTH27 + HLTH28 + HLTH29 + HLTH30 + HLTH31 + HLTH32 +
HLTH33 + HLTH34 + HLTH35 >= 50 SET LIFENET = 1.
IF AT LEAST 5 QUESTIONS BETWEEN HLTH36 AND HLTH43 = 1 SET
LIFENET=1.

ELSE SET LIFENET=0.

HLTH44
[ASK IF LIFENET=1. ELSE SKIP TO HLTH45.]

Before we continue, I want to let you know about a toll free number that you can call 24 hours a
day, 7 days a week to get free counseling and other services: 1-800-LIFENET. We will be
sending you additional information about the services available through Life Net but I'd like to
give you the number now in case [you/SUBJECT] want to talk with someone about September
11th before you receive these materials in the mail.

HLTH45
[IF CURRENT AGE < 12 SKIP TO D1.]

This next question is about smoking. (Have you/Has SUBJECT) smoked at least 100
cigarettes in (your/his/her) entire life? (A pack is about 20 cigarettes.)

1   YES
2   NO   SKIP TO D1
DON'T KNOW   SKIP TO D1
REFUSED   SKIP TO D1

HLTH46
Do [you/SUBJECT] now smoke cigarettes every day, some days, or not at all?

1   EVERY DAY
2   SOME DAYS
3   NOT AT ALL   SKIP TO D1
DON'T KNOW   SKIP TO D1
REFUSED   SKIP TO D1

HLTH47

How many cigarettes on average [do you/doesSUBJECT] smoke per day?

NUMBER: _____ [RANGE: 0 – 100]
DON'T KNOWR
REFUSED

Demographic and Locating

D1   Next, I'd like to get your Social Security Number. This information will only be used in case we
need to contact you again in the future, or to match our data to other health registries, which may
provide very important information about the long-term health effects of 9/11. Giving us your
Social Security Number is voluntary. What is your social security number?

NOTE: CHINESE RESPONDENTS MAY REFER TO "WORKER CARD NUMBER"
INSTEAD OF SSN. IF SSN IS NOT APPLICABLE, ENTER "N/A" IN FIELD BELOW.

(NOTE: THIS PROBE MUST BE READ BEFORE ATTEMPTING TO GET THE LAST 4
DIGITS OF SSN: The privacy of your answer is protected by a Federal Certificate of
Confidentiality. This means researchers cannot be forced to disclose personal information about
you (for example, by subpoena or court order.) Giving us your Social Security number is
completely voluntary and there is no penalty for not disclosing it.)

SSN: _ _ _ - _ _ - _ _ _ _

NOT APPLICABLE (NO SSN)
DON'T KNOW
REFUSED

[SOFT EDIT CHECK: DISPLAY IF D1=DK OR REF: Will you tell me the last 4 digits
only of [your/SUBJECT's] social security number? While not as useful as the whole
number, the last 4 digits will help us to match to other health registries.]

D2

(Are you/Is SUBJECT) Hispanic or (Latino/Latina)?

1   YES
2   NO
DON'T KNOW
REFUSED

D3

Which of the following would you say is [your/SUBJECT's] race?   You may select more than
one category.

1   White
2   Black or African American
3   American Indian or Alaska Native
4   Native Hawaiian or other Pacific Islander
5   Asian

6   (OTHER - SPECIFY: _____)
DON'T KNOW
REFUSED

D4

The next question is about [your /SUBJECT's] household income. What was
[your/SUBJECT's] total household income in 2002 before taxes?

(As with any question in this survey, you may refuse to answer it if you like. Giving us
[your/SUBJECT's] income is completely voluntary. We will keep your answer private. If you
choose to not give us your income, you can still participate in the Registry.)

1   Less than $10,000
2        $10,000 to less than $15,000
3        $15,000 to less than $25,000
4        $25,000 to less than $35,000
5        $35,000 to less than $50,000
6        $50,000 to less than $75,000
7        $75,000 to less than $100,000
8        $100,000 to less than $150,000
9        $150,000 to less than $200,000
10       $200,000 or more
DON'T KNOW
REFUSED

[SOFT EDIT CHECK: DISPLAY IF D4=DK OR REF. We recognize that this information is
personal. Please remember that the answers you give will be kept strictly confidential
and they will never be linked to your name.]

D5

[SKIP IF AGE <15]

What is [your/SUBJECT's] current marital status? Would you say . . .

1   Now married
2   Not married, but living with partner
3   Widowed
4   Divorced
5   Separated, or
6   Never married
DON'T KNOW
REFUSED

D6

[ASK ONLY IF AGE=15 – 50 ON 9/11 AND GENDER=FEMALE.]

[Were you/Was SUBJECT] pregnant on September 11th, 2001?

1   YES

2   NO
DON'T KNOW
REFUSED

D7

What is the highest grade or year of school [you/SUBJECT] completed?

1   NEVER ATTENDED SCHOOL OR ONLY ATTENDED KINDERGARTEN
2   GRADES 1 THROUGH 8 (ELEMENTARY)
3   GRADES 9 THROUGH 11 (SOME HIGH SCHOOL)
4   GRADE 12 OR GED (HIGH SCHOOL GRADUATE)

5   COLLEGE 1 YEAR TO 3 YEARS (SOME COLLEGE OR TECHNICAL SCHOOL)
6   COLLEGE 4 YEARS OR MORE (COLLEGE GRADUATE)
7   POSTGRADUATE DEGREE (MASTER'S DEGREE, Ph.D., MD, JD, LLM)
DON'T KNOW
REFUSED

D8

[IF AGE <12 ON 9/11, SKIP TO C1]

On September 11th, 2001, [were you/was SUBJECT] employed? By employed, I mean working at a job or business or self-employed .

1   YES
2   NO   [SKIP TO D10]
DON'T KNOW   [SKIP TO D10]
REFUSED   [SKIP TO D10]

D9

[SKIP IF E20=1 OR E21=1]

What company, organization or business did [you/SUBJECT] work for?

NOTE: IF SELF EMPLOYED, AND NO COMPANY NAME TYPE IN "SELF-EMPLOYED".

_____

D10

[SKIP IF CURRENT AGE< 12.]

(Are you/Is SUBJECT) **currently** employed at a job or business or self-employed?

1   YES
2   NO   [SKIP TO C1]
DON'T KNOW   [SKIP TO C1]
REFUSED   [SKIP TO C1]

Revised Contact and Locating Section

C1

[SKIP IF ADDRESS IN ELIGIBILITY SECTION IS BLANK.]

We are nearing the end of the interview. Before we end, I'd like to get some contact information from you. In order to better understand the impact of the World Trade Center disaster, researchers may want to include [you/SUBJECT] in other studies. These studies would be approved by the New York City Department of Health and Mental Hygiene to ensure that they are appropriately conducted.

Earlier, you reported that [your/SUBJECT's] primary home address on September 11th, 2001 was:

[FILL ADDRESS VERIFIED IN E5.]

Is this still [your/SUBJECT's] primary home address?

1   YES   [SKIP TO C3]
2   NO
DON'T KNOW
REFUSED

C2

What is [your/SUBJECT's] current home address?

NOTE: PROBE FOR COMPLETE ADDRESS INFORMATION.

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE
DON'T KNOW
REFUSED

C3

[IF AGE < 18 SKIP TO C5.]

Now I'd like to record/verify [your/SUBJECT's] phone numbers.

HOME PHONE: ( )_____   DK   REF
WORK PHONE: ( )_____   DK   REF
CELL PHONE: ( )_____   DK   REF

C4

[Do you/Does SUBJECT] have an email address?

SELECT "NO" IF R DOES NOT HAVE EMAIL ADDRESS.
SELECT "DON'T KNOW " IF R DOES NOT KNOW EMAIL ADDRESS.
SELECT "REFUSED" IF R HAS EMAIL ADDRESS BUT WILL NOT PROVIDE THE INFORMATION.

1   YES (SPECIFY WORK AND HOME EMAIL ADDRESSES)
2   NO

DON'T KNOW
REFUSED

C5

[IF THIS IS A CASE WHERE SPAWN=1, AT LEAST ONE ADDITIONAL INTERVIEW
HAS BEEN CONDUCTED ON THIS CALL WITH THE SAME PERSON ON PHONE, SKIP
TO CS1.]

[ASK IF PROXY. ELSE SKIP TO C8]

Now I need some information about you, not [SUBJECT]. What is **your** home address?

(We need your contact information because we may want to collect more information about
SUBJECT as part of a future study of the effects of the World Trade Center Disaster.)

NOTE: PROBE FOR COMPLETE ADDRESS INFORMATION.

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE
DON'T KNOW
REFUSED

C6

Now I'd like to record your phone numbers.

HOME PHONE:	( )_____	DK REF
WORK PHONE:	( )_____	DK REF
CELL PHONE:	( )_____	DK REF

C7

Do you have an email address?

1   YES (SPECIFY WORK AND HOME EMAIL ADDRESSES)
2   NO
DON'T KNOW
REFUSED

C8

Is there someone who does not live with you who can always reach [you/SUBJECT]?

(We are collecting contact information on close friends or family members who don't live with
registrants in case we have problems getting in touch with [you/SUBJECT] as part of a future
study. Registry data may be analyzed for up to 20 years as new information is obtained about the
effects of the World Trade Center disaster.)

1   YES
2   NO   SKIP TO CS1
DON'T KNOW   SKIP TO CS1
REFUSED   SKIP TO CS1

[SOFT EDIT CHECK: IF C8=DK OR REF, DISPLAY: Because of the necessity to track the

long term health effects of the World Trade Center disaster over time, information on how to get back in touch with [you/SUBJECT] is very important to the success of future studies. Family members, such as parents and siblings, and close friends are usually the best source of this information. Are you sure you don't know anyone who can always get in touch with [you/SUBJECT]? Again, all of this information is kept strictly confidential. We will never contact your friends or family for any other reason other than to get in touch with you.]

C9

What is that person's name?

FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX
DON'T KNOW
REFUSED

C10

What is this person's relationship to [you/SUBJECT]?

1   SPOUSE OR SIGNIFICANT OTHER
2   PARENT
3   SON/DAUGHTER
4   BROTHER OR SISTER
5   FRIEND
6   OTHER (SPECIFY: _____)
DON'T KNOW
REFUSED

C11

What is this person's home address?

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE
COUNTRY:_____
DON'T KNOW
REFUSED

C12

What are this person's telephone numbers?

NOTE: IF YOU ARE ENTERING AN INTERNATIONAL NUMBER, THE NUMBER SHOULD BEGIN WITH 011.

HOME_____-____-_____
WORK ____-____-_____
CELL ____-____-_____
DON'T KNOW
REFUSED

C13

Does this person have an email address?

1   YES (SPECIFY WORK AND HOME EMAIL ADDRESSES)
2   NO
DON'T KNOW
REFUSED

C14

Is there someone else who does not live with you who can always reach [you/SUBJECT]?

(We are collecting contact information on close friends or family members who don't live with registrants in case we have problems getting in touch with [you/SUBJECT] as part of a future study. Registry data may be analyzed for up to 20 years as new information is obtained about the effects of the World Trade Center disaster.)

1   YES
2   NO   [SKIP TO NEXT SECTION]
DON'T KNOW   [SKIP TO NEXT SECTION]
REFUSED   [SKIP TO NEXT SECTION]

[SOFT EDIT CHECK: IF C14=DK OR REF, DISPLAY: Because of the necessity to track the long term health effects of the World Trade Center disaster over time, information on how to get back in touch with [you/SUBJECT] is very important to the success of future studies. Family members, such as parents and siblings, and close friends are usually the best source of this information. Are you sure you don't know anyone who can always get in touch with [you/SUBJECT]? Again, all of this information is kept strictly confidential. We will never contact your friends or family for any other reason other than to get in touch with you.]

C15

What is that person's name?

FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX
DON'T KNOW
REFUSED

C16

What is this person's relationship to [you/SUBJECT]?

1   SPOUSE OR SIGNIFICANT OTHER
2   PARENT
3   SON/DAUGHTER
4   BROTHER OR SISTER
5   FRIEND
6   OTHER (SPECIFY: _____)
DON'T KNOW
REFUSED

C17

What is this person's home address?

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE
COUNTRY:_____
DON'T KNOW
REFUSED

C18

What are this person's telephone numbers?

NOTE: IF YOU ARE ENTERING AN INTERNATIONAL NUMBER, THE NUMBER
SHOULD BEGIN WITH 011.

HOME_____-____-_____
WORK ____-____-_____
CELL ____ - ____ - _____
DON'T KNOW
REFUSED

C19

Does this person have an email address?

1   YES (SPECIFY WORK AND HOME EMAIL ADDRESSES)
2   NO
DON'T KNOW
REFUSED

C20

Is there someone else who does not live with you who can always reach [you/SUBJECT]?

(We are collecting contact information on close friends or family members who don't live with
registrants in case we have problems getting in touch with [you/SUBJECT] as part of a future
study. Registry data may be analyzed for up to 20 years as new information is obtained about the
effects of the World Trade Center disaster.)

1   YES
2   NO   [SKIP TO NEXT SECTION]
DON'T KNOW   [SKIP TO NEXT SECTION]
REFUSED   [SKIP TO NEXT SECTION]

[SOFT EDIT CHECK: IF C20=DK OR REF, DISPLAY: Because of the necessity to track
the long term health effects of the World Trade Center disaster over time, information on
how to get back in touch with [you/SUBJECT] is very important to the success of future
studies. Family members, such as parents and siblings, and close friends are usually the
best source of this information. Are you sure you don't know anyone who can always get
in touch with [you/SUBJECT]? Again, all of this information is kept strictly
confidential. We will never contact your friends or family for any other reason other than
to get in touch with you.]

C21

What is that person's name?

FIRST NAME   MIDDLE INITIAL LAST NAME   SUFFIX
DON'T KNOW
REFUSED

C22

What is this person's relationship to [you/SUBJECT]?

1   SPOUSE OR SIGNIFICANT OTHER
2   PARENT
3   SON/DAUGHTER
4   BROTHER OR SISTER
5   FRIEND
6   OTHER (SPECIFY: _____)
DON'T KNOW
REFUSED

C23

What is this person's home address?

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE
COUNTRY:_____
DON'T KNOW
REFUSED

C24

What are this person's telephone numbers?

NOTE: IF YOU ARE ENTERING AN INTERNATIONAL NUMBER, THE NUMBER
SHOULD BEGIN WITH 011.

HOME_____-____-_____
WORK ____-____-_____
CELL   ___ - ___ - _____
DON'T KNOW
REFUSED

C25

Does this person have an email address?

1   YES (SPECIFY WORK AND HOME EMAIL ADDRESSES)
2   NO
DON'T KNOW
REFUSED

CS1

As I said at the start of the interview, researchers may want [you/SUBJECT] to participate in other World Trade Center studies. Is it ok if the New York City Department of Health and Mental Hygiene calls [you/you on behalf of SUBJECT] in the future about other studies?

1   YES
2   NO
DON'T KNOW
REFUSED

CS2

What about if the New York City Department of Health and Mental Hygiene mails health information [to you/to you on behalf of SUBJECT] once in a while, is that ok?

1   YES
2   NO
DON'T KNOW
REFUSED

CS3

[IF CS1=2 AND CS2=2 SKIP TO CS4.]

[ASK ONLY IF C7=1]

Can we use your email address to send these materials?

1   YES
2   NO
DON'T KNOW
REFUSED

CS4

Within 30 days after the interview, we will send you a letter thanking you for participating. You will also get a copy of the Fact Sheet which summarizes your rights as a research participant in the Registry.

CS5

[ASK IF I3=2 OR 3 AND NO SPAWNS (INCLUDING TRIAGE CASES).]

Would you like to register anyone else at this phone number?

1   YES   [START NEW INTERVIEW AT I6.]
2   NO

SP1

[IF NO SPAWNS, SKIP TO CS6 AND CLOSE OUT INTERVIEW.]

Earlier in the interview, you said that there [was another person/were other people] living in [your/SUBJECT's] household on September 11th, 2001. [This person is/These people are] also

eligible for the World Trade Center Health Registry. To be sure that we have the most comprehensive list possible of people affected by the World Trade Center disaster, we'd like to try to interview [that person/those other people.]

SP2

Is . . .	still living in the household?	(Is (he/she)) physically or mentally incapacitated, or otherwise restricted from completing an interview?	Is (he/she) under the age of 18?	ASK IF NECESSARY: (Is he/she) deceased?
Person 1 Name	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No
Person 2 Name	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No
Person 3 Name	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No

[IF DATE OF DEATH IS AFTER 9/11/01, PERSON IS ELIGIBLE FOR REGISTRY.]

SP3

[FOR EACH PERSON LISTED AS NO LONGER LIVING IN HH, ASK THE FOLLOWING QUESTIONS. IF SPAWN IS DECEASED, SKIP TO SP4. ELSE SKIP TO SP6.]

We would like to contact [SPAWN] and add (him/her)to the registry. What current telephone numbers do you have for [SPAWN]?

HOME PHONE: (   )_____
WORK PHONE: (   )_____
CELL PHONE: (   )_____

What is [SPAWN]'s address?

NUMBER AND STREET, APT. NO.,
CITY, STATE ZIP CODE

Is that a home or work address?

1   HOME
2   WORK

What is [SPAWN]'s email address?

HOME:_____
WORK: _____

SP4

[ASK OF ALL NAMES OF ELIGIBLE DECEASED, <18, AND INCAPACITATED.]

[SPAWN] is eligible for the World Trade Center Health Registry, but this person will need a proxy respondent to answer the survey questions for him/her. (A parent or guardian must respond for anyone under the age of 18.)

Who is the best proxy for [SPAWN]?

ENTER PROXY NAME: _____

IS PROXY   1   CURRENT RESPONDENT
                  2   SOMEONE ELSE

DOES PROXY LIVE IN HOUSEHOLD?

1   YES
2   NO

IF NO, COLLECT PROXY PHONE NUMBERS.

PROXY HOME PHONE: _____

PROXY WORK PHONE: _____

PROXY CELL PHONE: _____

SP5

INTERVIEWER: DETERMINE IF ANY OF THE LISTED SUBJECTS OR PROXIES ARE AVAILABLE TO DO THE INTERVIEW.

SUBJECT NAME	PROXY NAME
Person 1 Name	None
Person 2 Name	None
Person 3 Name	Person 1 Name

NOTE: Hyperlinked name will start interview for that subject or proxy.

SP6

[ASK IF NO NAMES ARE SELECTED] Thank you for your time. I'd like to call back later to complete the remaining (interview/interviews).

SKIP TO CALL.

BRK.

ARE YOU SURE YOU WANT TO BREAK OFF THIS INTERVIEW?

1   YES   [SKIP TO PHON]
2   NO   [RETURN TO LAST QUESTION]

PHON

So that I can call back to complete the interview, I'd like to record a home, work, and cell phone number if available. Please note that since our main call center is in North Carolina, the number that will show up on caller ID begins with the North Carolina area code 919.

HOME PHONE: (   )_____
WORK PHONE: (   )_____
CELL PHONE: (   )_____

CALL

Would it be best that I call back on a weekday before 5:00 PM, a weekday after 5:00 PM, on the weekend, or anytime nights and weekends?

1   WEEKDAY BEFORE 5:00 PM
2   WEEKDAY AFTER 5:00 PM
3   WEEKEND
4   ANYTIME NIGHTS AND WEEKENDS
5   OTHER

CS6

REMINDER: THIS SCRIPT MUST BE READ VERBATIM FOR ALL INBOUND AND OUTBOUND CALLS – INCLUDING THE 1-800 NUMBER. YOU MAY ADD A PERSONALIZED THANK YOU AFTER READING THE ENTIRE SCRIPT VERBATIM.

(That's the end of our interview.) Thank you very much for participating in the World Trade Center Health Registry.   If you know of anyone else who might be eligible to be part of the World Trade Center Health Registry, please give them our toll-free number, 1-866-NYCWTCR (1-866-692-9827) and encourage them to call us.

[R SHOULD HANG UP NOW.]

IO1

(Please bear with me for a couple of seconds while I close out this interview and prepare for the next.) DID THE RESPONDENT DEMONSTRATE ANY SIGNS OF EMOTIONAL DISTRESS?

IF THIS INTERVIEW WAS BROKEN OFF TO MAKE AN IMMEDIATE LIFENET REFERRAL, COUNT SIGNS OF EMOTIONAL DISTRESS PRIOR TO AND AFTER THE BREAKOFF.

1   YES
2   NO   [END INTERVIEW]

IO2

PLEASE MARK ALL SIGNS OF DISTRESS DISPLAYED.

IF A BREAKOFF DUE TO LIFENET REFERRAL WAS REQUIRED AND THIS IS THE SECOND TIME THIS QUESTION HAS BEEN ASKED, PLEASE ADD TO THE ANSWERS ALREADY DISPLAYED BELOW.

1	CHANGES IN TONE OF VOICE
2	CHANGES IN VOLUME
3	CHANGES IN ACE OF RESPONSES TO QUESTIONS
4	CHANGES IN USE OF LANGUAGE, INCLUDING INAPPROPRIATE LANGUAGE
5	CHANGES IN FOCUS ON QUESTIONS AND RESPONSES
6	RESPONSES THAT DO NOT RELATE TO THE QUESTIONS ASKED
7	HESITANCY IN RESPONDING
8	REFUSAL TO RESPOND
9	SOBBING AND CRYING SOFTLY
10	OPEN WEEPING
11	OTHER VERBAL SIGNS OF DISTRESS
12	AGITATION
13	TAPPING HANDS AND FEET
14	FIDGETING IN SEAT
15	STANDING UP
16	WALKING AROUND
17	LEAVING THE AREA
18	OTHER NON-VERBAL SIGNS OF DISTRESS

IO3.

WHAT LEVEL OF DISTRESS DID YOU ASSOCIATE WITH THE SIGNS DISPLAYED?

IF A BREAKOFF DUE TO LIFENET REFERRAL WAS REQUIRED, PLEASE REPORT THE HIGHEST LEVEL OF DISTRESS DISPLAYED DURING ALL PORTIONS OF THE INTERVIEW (BOTH BEFORE AND AFTER THE BREAKOFF).

1	LEVEL 1 ─ MILD
2	LEVEL 2 ─ MODERATE
3	LEVEL 3 ─ SEVERE

IO4.   PLEASE MARK ALL ACTIONS TAKEN DURING THE INTERVIEW.

IF A BREAKOFF DUE TO LIFENET REFERRAL WAS REQUIRED AND THIS IS THE SECOND TIME THIS QUESTION HAS BEEN ASKED, PLEASE ADD TO THE ANSWERS ALREADY DISPLAYED BELOW.

1	OFFERED TO TAKE BREAK, BUT DID NOT
2	TOOK A BREAK
3	STOPPED INTERVIEW
4	MADE A LIFENET REFERRAL
5	CALLED LIFE NET
5	CALLED 911

IO5.   DO YOU HAVE ANY OTHER COMMENTS ABOUT THE EMOTIONAL DISTRESS DISPLAYED AND YOUR RESPONSE TO THE SITUATION? (IF YOU CALLED LIFENET, PLEASE ENTER THE CALL NUMBER THAT THEY GAVE YOU)

IF A BREAKOFF DUE TO LIFENET REFERRAL WAS REQUIRED AND THIS IS THE SECOND TIME THIS QUESTION HAS BEEN ASKED, PLEASE ADD YOUR COMMENTS TO THE TEXT ALREADY DISPLAYED BELOW.

[END INTERVIEW]

Appendix B
Baseline Codebook

World Trade Center Health Registry Codebook

Variable: language
Description: Language of interview
Stem: IN WHAT LANGUAGE SHOULD THE INTERVIEW BE CONDUCTED?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
English	1	68034	95.24%	68034	95.24%
Spanish	2	1247	1.75%	69281	96.98%
Cantonese	3	1025	1.43%	70306	98.42%
Mandarin	4	652	0.91%	70958	99.33%
Other (Language Line)	5	479	0.67%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: proxy
escription: Is this a proxy interview?
Stem: IS THIS A PROXY INTERVIEW? PROBE IF NECESSARY.
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3100	4.34%	3100	4.34%
NO	2	68337	95.66%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: deceased
Description: Is subject deceased?
Stem: ASK ONLY IF NECESSARY: We want to be sure to include people who may be eligible but who are now deceased. Whether or not the person is still living will affect the kinds of questions we ask. Is this person deceased?
Type: Radio
Applies To: Proxies

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	160	0.22%	160	0.22%
NO	2	2939	4.11%	3099	4.34%
DON'T KNOW	-1	0	0.00%	3099	4.34%
REFUSED TO ANSWER	-2	1	0.00%	3100	4.34%
[VALID MISSING]	-9	68337	95.66%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dob
Description: Date of birth
Stem: What [is/was] [your/SUBJECT's] date of birth?
Type: Text
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		70324	98.44%	70324	98.44%
DON'T KNOW	-1	99	0.14%	70423	98.58%
REFUSED TO ANSWER	-2	1014	1.42%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: age
Description: Age
Stem: What is [your/SUBJECT's] current age?
Type: Text
Applies To: Living registrants who did not provide DOB

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		760	1.06%	760	1.06%
DON'T KNOW	-1	10	0.01%	770	1.08%
REFUSED TO ANSWER	-2	335	0.47%	1105	1.55%
[VALID MISSING]	-9	70332	98.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dob_911
Description: Born prior to 9/11/01?
Stem: [Were you/Was SUBJECT] born before September 11th, 2001?
Type: Radio
Applies To: Proxies who don't report registrant's birth date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3	0.00%	3	0.00%
NO	2	0	0.00%	3	0.00%
DON'T KNOW	-1	0	0.00%	3	0.00%
REFUSED TO ANSWER	-2	0	0.00%	3	0.00%
[VALID MISSING]	-9	71434	100.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: over_18
Description: Age 18 or older?
Stem: [Are you/Is SUBJECT] 18 or older?
Type: Radio
Applies To: Proxies who don't report registrant's birth date or age

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	343	0.48%	343	0.48%
NO	2	0	0.00%	343	0.48%
DON'T KNOW	-1	0	0.00%	343	0.48%
REFUSED TO ANSWER	-2	0	0.00%	343	0.48%
[VALID MISSING]	-9	71092	99.52%	71435	100.00%
[INVALID MISSING]	-3	2	0.00%	71437	100.00%
TOTAL				71437	100.00%

date_deceased

Variable:
Description: Date subject deceased
Stem: On what date did [SUBJECT] pass away?
Type: Text
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		160	0.22%	160	0.22%
DON'T KNOW	-1	0	0.00%	160	0.22%
REFUSED TO ANSWER	-2	0	0.00%	160	0.22%
[VALID MISSING]	-9	71277	99.78%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: age_confirm
Description: Confirmation of age calculated from birth date.
Stem: I have recorded that [you are/SUBJECT is] [FILL AGE] years old. Is this correct?
Type: Radio
Applies To: Living registrants who provided DOB

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	70065	98.08%	70065	98.08%
NO	2	97	0.14%	70162	98.22%
DON'T KNOW	-1	7	0.01%	70169	98.23%
REFUSED TO ANSWER	-2	5	0.01%	70174	98.23%
[VALID MISSING]	-9	1263	1.77%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: gender
Description: Gender
Stem: ASK ONLY IF NECESSARY. What [is/was] [your/SUBJECT's] sex?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MALE	1	42794	59.90%	42794	59.90%
FEMALE	2	28641	40.09%	71435	100.00%
DON'T KNOW	-1	0	0.00%	71435	100.00%
REFUSED TO ANSWER	-2	2	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: zipcode_lkup
Description: Zip code on 9/11/01.
Stem: What was the zip code for [your/SUBJECT's] primary residence on September 11th, 2001?

(By primary residence, I mean the place where a person lived and slept most of the time. This is not necessarily the same as your voting residence or legal residence.)
Type: Text
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: newyork
Description: Did subject live in NYC on 9/11/01
Stem: Did [you/SUBJECT] live in New York City on September 11th, 2001?
Type: Radio
Applies To: Registrants who did not report 9/11 zip code

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	656	0.92%	656	0.92%
NO	2	591	0.83%	1247	1.75%
DON'T KNOW	-1	2	0.00%	1249	1.75%
REFUSED TO ANSWER	-2	4	0.01%	1253	1.75%
[VALID MISSING]	-9	70184	98.25%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	city_911
Description:	City of residence on 9/11/01
Stem:	What city and state did [you/SUBJECT] live in on September 11th, 2001?
Type:	Text
Applies To:	Registrants who did not report 9/11 zip code and did not live in NYC on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	state_911
Description:	State of residence on 9/11/01
Stem:	What city and state did [you/SUBJECT] live in on September 11th, 2001?
Type:	Select
Applies To:	Registrants who did not report 9/11 zip code and did not live in NYC on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	ref_city
Description:	Follow up probe for refusal to city and state
Stem:	Collecting [your/SUBJECT's] address information for September 11th, 2001 is very important to determining eligibility to the World Trade Center Health Registry. Address information may be used to understand the risks of exposure to smoke, dust, and debris on and after September 11th, 2001. Would you please reconsider providing us with that information?
Type:	Radio
Applies To:	Registrants who refuse 9/11 address

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	street_911
Description:	Street of residence on 9/11/01
Stem:	What street did (you/SUBJECT) live on?
Type:	Text
Applies To:	Registrants who fell within a Group 1 zip code

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	bldgnum_911
Description:	Building number of residence on 9/11/01- from drop down list
Stem:	What was [your/SUBJECT's] building number (or street address number)?
Type:	Text
Applies To:	Registrants who fell within a Group 1 zip code

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	aptnum_911
Description:	Apartment number of residence on 9/11/01- from drop down list
Stem:	What was [your/SUBJECT's] apartment number?
Type:	Text
Applies To:	Registrants who fell within a Group 1 zip code

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	aptnum_911sp
Description:	Specify apartment number of residence on 9/11/01 - from drop down list screen
Stem:	What was [your/SUBJECT's] apartment number?
Type:	Text
Applies To:	Registrants who fell within a Group 1 zip code

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	911_address_confirm
Description:	Confirmation of address on 911
Stem:	I have [your/SUBJECT's] address on September 11th, 2001 listed as: [FILL: BUILDING NUMBER, STREET NAME, APARTMENT NUMBER CITY, STATE ZIP CODE] Is this correct?
Type:	Radio
Applies To:	Registrants who reported eligible zip codes or who reported living in NYC on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: occ_transit

Description: In Manhattan south of Chambers Street between time of first plane impact and noon

Stem: On September 11th, 2001, [were you/was SUBJECT] in Manhattan south of Chambers Street between the time of the first plane impact and noon?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	43487	60.87%	43487	60.87%
NO	2	27716	38.80%	71203	99.67%
DON'T KNOW	-1	233	0.33%	71436	100.00%
REFUSED TO ANSWER	-2	1	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: responder

Description: Worked as rescue, recovery, cleanup or support person 9/11/2001 - 6/30/2002.

Stem: The next question is about the World Trade Center site. Please note that the boundaries for the World Trade Center site are:

Chambers Street to the North,
Rector Street or Rector Place to the South,
Broadway on the East,
and the Hudson River on the West.

When answering this next question, please count all rescue, recovery, cleanup, support, and other World Trade Center event related activities [you/SUBJECT] performed within the boundaries of the site for at least one shift. For example, if [you/SUBJECT] worked as a reporter, gave out food or water, or cleaned up buildings within the site, count these activities.

From September 11th, 2001 to June 30th, 2002 did [you/SUBJECT] work at least one shift at the World Trade Center site providing rescue, recovery, clean-up, construction, or support services?

Type: Radio

Applies To: All registrants age 12 or older on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	29723	41.61%	29723	41.61%
NO	2	39641	55.49%	69364	97.10%
DON'T KNOW	-1	70	0.10%	69434	97.20%
REFUSED TO ANSWER	-2	2	0.00%	69436	97.20%
[VALID MISSING]	-9	2001	2.80%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: SI_worker

Description: Worked at WTC Recovery Operation on Staten Island or barge 9/12/2001 - 6/30/2002.

Stem: From September 12th, 2001 to June 30th, 2002 did [you/SUBJECT] work at least one shift at the World Trade Center Recovery Operation on Staten Island or on a barge?

Type: Radio

Applies To: All registrants age 12 or older on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4490	6.29%	4490	6.29%
NO	2	64886	90.83%	69376	97.11%
DON'T KNOW	-1	56	0.08%	69432	97.19%
REFUSED TO ANSWER	-2	4	0.01%	69436	97.20%
[VALID MISSING]	-9	2001	2.80%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: student

Description: Enrolled in a school south of Canal Street on 9/11/2001

Stem: On September 11th, 2001 [were you/was SUBJECT] enrolled in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street?

Type: Radio

Applies To: All registrants younger than age 21 on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2075	2.90%	2075	2.90%
NO	2	2861	4.00%	4936	6.91%
DON'T KNOW	-1	13	0.02%	4949	6.93%
REFUSED TO ANSWER	-2	1	0.00%	4950	6.93%
[VALID MISSING]	-9	66487	93.07%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: schstu

Description: Name of school (pre-K though 12th grade) enrolled in on 9/11/2001. Because of confidentiality issues, this variable's availability is contingent upon review of request.

Stem: In what school [were you/was SUBJECT] enrolled on September 11th, 2001?

Type: Select

Applies To: Registrants enrolled in a school south of Canal Street on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		2049	2.87%	2049	2.87%
DON'T KNOW	-1	26	0.04%	2075	2.90%
REFUSED TO ANSWER	-2	0	0.00%	2075	2.90%
[VALID MISSING]	-9	69362	97.10%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	schstu_sp
Description:	Name of school enrolled in on 9/11/2001 - specify
Stem:	In what school [were you/was SUBJECT] enrolled on September 11th, 2001?
Type:	Text
Applies To:	Registrants enrolled in a school south of Canal Street on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		356	0.50%	356	0.50%
DON'T KNOW	-1	0	0.00%	356	0.50%
REFUSED TO ANSWER	-2	0	0.00%	356	0.50%
[VALID MISSING]	-9	71081	99.50%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	staff
Description:	Employed in a school south of Canal Street on 9/11/2001
Stem:	On September 11th, 2001, [were you/was SUBJECT] employed in a day care, preschool, elementary, middle, or high school in Manhattan south of Canal Street?
Type:	Radio
Applies To:	All registrants not enrolled in a school and not younger than 15 on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	571	0.80%	571	0.80%
NO	2	67814	94.93%	68385	95.73%
DON'T KNOW	-1	20	0.03%	68405	95.76%
REFUSED TO ANSWER	-2	6	0.01%	68411	95.76%
[VALID MISSING]	-9	3026	4.24%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	schst
Description:	Name of school (pre-K through 12th grade) employed in on 9/11/2001. Because of confidentiality issues, this variable's availability is contingent upon review of request.
Stem:	In what school [were you/was SUBJECT] employed on September 11th, 2001?
Type:	Select
Applies To:	Registrants employed in a school south of Canal Street on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		533	0.75%	533	0.75%
DON'T KNOW	-1	36	0.05%	569	0.80%
REFUSED TO ANSWER	-2	2	0.00%	571	0.80%
[VALID MISSING]	-9	70866	99.20%	71437	100.0%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	schst_sp
Description:	Name of school employed in on 9/11/2001 - specify
Stem:	In what school [were you/was SUBJECT] employed on September 11th, 2001?
Type:	Text
Applies To:	Registrants employed in a school south of Canal Street on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		184	0.26%	184	0.26%
DON'T KNOW	-1	0	0.00%	184	0.26%
REFUSED TO ANSWER	-2	0	0.00%	184	0.26%
[VALID MISSING]	-9	71253	99.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	how_hear
Description:	How did subject hear about the WTCHR
Stem:	How did you hear about the World Trade Center Health Registry?
Type:	Checkbox
Applies To:	All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
HEALTH DEPARTMENT WEBSITE	1	316	0.34%	316	0.34%
INTERNET	2	5554	5.99%	5870	6.33%
MATERIALS SENT TO ME	3	12466	13.44%	18336	19.76%
EMPLOYER	4	9953	10.73%	28289	30.49%
MATERIALS PROVIDED BY EMPLOYER	5	2907	3.13%	31196	33.62%
RADIO	6	3673	3.96%	34869	37.58%
TV	7	5891	6.35%	40760	43.93%
HEALTH FAIR	8	103	0.11%	40863	44.04%
COWORKER / FRIEND / RELATIVE	9	12317	13.28%	53180	57.32%
NEWSPAPER	10	9843	10.61%	63023	67.93%
BROCHURE/FLYER/FACT SHEET	11	6085	6.56%	69108	74.49%
TRANSIT AD (e.g SUBWAY CARS/PLATFORM, PATH TRAINS)	12	4690	5.06%	73798	79.54%
LOCAL BUSINESS	13	228	0.25%	74026	79.79%
COMMUNITY MEETING	14	442	0.48%	74468	80.26%
HAD NOT HEARD OF REGISTRY UNTIL THIS CALL	15	7394	7.97%	81862	88.23%
OTHER (SPECIFY)	16	10132	10.92%	91994	99.15%
DON'T KNOW	-1	780	0.84%	92774	100.00%
REFUSED TO ANSWER	-2	4	0.00%	92778	100.00%
[VALID MISSING]	-9	0	0.00%	92778	100.00%
[INVALID MISSING]	-3	0	0.00%	92778	100.00%
TOTAL				92778	100.00%

Variable: how_hearsp
Description: How did subject hear about the WTCHR - specify
Stem: How did you hear about the World Trade Center Health Registry? SELECT ALL THAT APPLY.
Type: Text
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		10132	14.18%	10132	14.18%
DON'T KNOW	-1	0	0.00%	10132	14.18%
REFUSED TO ANSWER	-2	0	0.00%	10132	14.18%
[VALID MISSING]	-9	61305	85.82%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: why_proxy
Description: Reason for proxy interview
Stem: WHY IS A PROXY BEING INTERVIEWED? ASK IF NECESSARY: I just need to confirm the reason [SUBJECT] is not capable of completing the interview right now.
Type: Radio
Applies To: Proxies

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
SERIOUSLY PHYSICALLY DISABLED, BUT MENTALLY COMPETENT	1	90	0.13%	90	0.13%
MENTALLY INCOMPETENT	2	76	0.11%	166	0.23%
DECEASED AFTER 9/11/01	3	160	0.22%	326	0.46%
UNDER 18	6	2538	3.55%	2864	4.01%
OTHER (SPECIFY)	7	201	0.28%	3065	4.29%
DON'T KNOW	-1	23	0.03%	3088	4.32%
REFUSED TO ANSWER	-2	3	0.00%	3091	4.33%
[VALID MISSING]	-9	68338	95.66%	71429	99.99%
[INVALID MISSING]	-3	8	0.01%	71437	100.00%
TOTAL				71437	100.00%

Variable: why_proxysp
Description: Reason for proxy interview - specify
Stem: WHY IS A PROXY BEING INTERVIEWED? ASK IF NECESSARY: I just need to confirm the reason [SUBJECT] is not capable of completing the interview right now.
Type: Text
Applies To: Proxies

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		201	0.28%	201	0.28%
DON'T KNOW	-1	0	0.00%	201	0.28%
REFUSED TO ANSWER	-2	0	0.00%	201	0.28%
[VALID MISSING]	-9	71236	99.72%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: proxy_rel
Description: Relationship of proxy to subject
Stem: What [is/was] your relationship to [SUBJECT]? READ OPTIONS AS NECESSARY.
Type: Radio
Applies To: Proxies

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
SPOUSE	1	198	0.28%	198	0.28%
MOTHER	2	1907	2.67%	2105	2.95%
FATHER	3	528	0.74%	2633	3.69%
DAUGHTER/SON	4	192	0.27%	2825	3.95%
SISTER/BROTHER	5	44	0.06%	2869	4.02%
GRANDPARENT	6	61	0.09%	2930	4.10%
OTHER BLOOD RELATIVE	7	17	0.02%	2947	4.13%
MOTHER/FATHER IN-LAW	8	3	0.00%	2950	4.13%
OTHER IN-LAW	9	7	0.01%	2957	4.14%
FRIEND	10	11	0.02%	2968	4.15%
OTHER (SPECIFY)	11	103	0.14%	3071	4.30%
DON'T KNOW	-1	15	0.02%	3086	4.32%
REFUSED TO ANSWER	-2	5	0.01%	3091	4.33%
[VALID MISSING]	-9	68338	95.66%	71429	99.99%
[INVALID MISSING]	-3	8	0.01%	71437	100.00%
TOTAL				71437	100.00%

Variable: proxy_relsp
Description: Relationship of proxy to subject - specify
Stem: What [is/was] your relationship to [SUBJECT]? READ OPTIONS AS NECESSARY.
Type: Text
Applies To: Proxies

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		103	0.14%	103	0.14%
DON'T KNOW	-1	0	0.00%	103	0.14%
REFUSED TO ANSWER	-2	0	0.00%	103	0.14%
[VALID MISSING]	-9	71334	99.86%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: maiden_name
Description: Deceased subject's maiden name
Stem: What was [SUBJECT's] maiden name?
Type: Text
Applies To: Deceased female registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dec_ethnicity
Description: Deceased subject's ethnicity
Stem: Was [SUBJECT] Hispanic or [Latino/Latina]?
Type: Radio
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	25	0.03%	25	0.03%
NO	2	134	0.19%	159	0.22%
DON'T KNOW	-1	1	0.00%	160	0.22%
REFUSED TO ANSWER	-2	0	0.00%	160	0.22%
[VALID MISSING]	-9	71277	99.78%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dec_race
Description: Deceased subject's race. Because of confidentiality issues, this variable's availability is contingent upon review of request.
Stem: Which of the following would you say was [SUBJECT's] race? (You may select more than one.)
Type: Checkbox
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		159	0.23%	159	0.23%
DON'T KNOW	-1	1	0.00%	162	0.23%
REFUSED TO ANSWER	-2	0	0.00%	162	0.23%
[VALID MISSING]	-9	71277	99.77%	71277	100.00%
[INVALID MISSING]	-3	0	0.00%	71439	100.00%
TOTAL				71437	100.00%

Variable: dec_race_sp
Description: Deceased subject's race - specify
Stem: Which of the following would you say was [SUBJECT's] race? (You may select more than one.)
Type: Text
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		8	0.01%	8	0.01%
DON'T KNOW	-1	1	0.00%	9	0.01%
REFUSED TO ANSWER	-2	0	0.00%	9	0.01%
[VALID MISSING]	-9	71428	99.99%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: cause_death
Description: Deceased subject's cause of death
Stem: What was [SUBJECT's] cause of death? Please be as specific as possible.
Type: Text
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		155	0.22%	155	0.22%
DON'T KNOW	-1	3	0.00%	158	0.22%
REFUSED TO ANSWER	-2	2	0.00%	160	0.22%
[VALID MISSING]	-9	71277	99.78%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: death_state
Description: Deceased subject's state of death. Because of confidentiality issues, this variable's availability is contingent upon review of request.
Stem: In which state did [SUBJECT] pass away?
Type: Select
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		160	0.22%	160	0.22%
DON'T KNOW	-1	0	0.00%	160	0.22%
REFUSED TO ANSWER	-2	0	0.00%	160	0.22%
[VALID MISSING]	-9	71277	99.78%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: death_nyc
Description: Deceased subject died in NYC
Stem: Did [SUBJECT] pass away in New York City?
Type: Radio
Applies To: Deceased registrants who died in NY state

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	124	0.17%	124	0.17%
NO	2	18	0.03%	142	0.20%
DON'T KNOW	-1	0	0.00%	142	0.20%
REFUSED TO ANSWER	-2	0	0.00%	142	0.20%
[VALID MISSING]	-9	71295	99.80%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dec_ssn
Description: Deceased subject's SSN
Stem: Next, I'd like to get [SUBJECT'S] Social Security Number. This information will only be used to match our data to other health registries, which may provide very important information about the long-term health effects of 9/11. Giving us [SUBJECT'S] Social Security Number is voluntary. What is [SUBJECT'S] social security number? NOTE: CHINESE RESPONDENTS MAY REFER TO "WORKER CARD NUMBER" INSTEAD OF SSN. IF SSN IS NOT APPLICABLE, ENTER "N/A" IN FIELD BELOW. NOTE: THE FOLLOWING PROBE MUST BE READ BEFORE ATTEMPTING TO GET THE LAST 4 DIGITS OF SSN: (The privacy of your answer is protected by a Federal Certificate of Confidentiality. This means researchers cannot be forced to disclose personal information about you (for example, by subpoena or court order.) Giving us [SUBJECT'S] Social Security number is completely voluntary and there is no penalty for not disclosing it.)
Type: Text
Applies To: Deceased registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: stu_school_911

Description: Student subject in school on 9/11/01

Stem: On September 11th, 2001, [were you/was SUBJECT] in school?

Type: Radio

Applies To: Students

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1791	2.51%	1791	2.51%
NO	2	279	0.39%	2070	2.90%
DON'T KNOW	-1	3	0.00%	2073	2.90%
REFUSED TO ANSWER	-2	0	0.00%	2073	2.90%
[VALID MISSING]	-9	69364	97.10%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: sturet_same

Description: Student return to school before 12/31/01

Stem: Did (you/SUBJECT) return to [FILL SCHOOL NAME FROM SCHSTU] before December 31st, 2001? (By return, we mean returning to classes.)

Type: Radio

Applies To: Students who were in school on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1236	1.73%	1236	1.73%
NO	2	507	0.71%	1743	2.44%
DON'T KNOW	-1	48	0.07%	1791	2.51%
REFUSED TO ANSWER	-2	0	0.00%	1791	2.51%
[VALID MISSING]	-9	69646	97.49%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: studate_retsame

Description: Date student returned to school

Stem: On what date did [you/SUBJECT] return?

Type: Text

Applies To: Students who returned to school before 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		427	0.60%	427	0.60%
DON'T KNOW	-1	84	0.12%	511	0.72%
REFUSED TO ANSWER	-2	1	0.00%	512	0.72%
[VALID MISSING]	-9	70925	99.28%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: studate_estnum

Description: Estimated number of days,weeks or months after 9/11/01student returned to school

Stem: On what date did [you/SUBJECT] return?

Type: Text

Applies To: Students who returned to school before 12/31/01 but cannot provide an exact date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS		1	0.00%	1	0.00%
1 DAYS		23	0.03%	24	0.03%
2 DAYS		34	0.05%	58	0.08%
3 DAYS		35	0.05%	93	0.13%
4 DAYS		11	0.02%	104	0.15%
5 DAYS		10	0.01%	114	0.16%
6 DAYS		5	0.01%	119	0.17%
7 DAYS		20	0.03%	139	0.19%
9 DAYS		1	0.00%	140	0.20%
10 DAYS		17	0.02%	157	0.22%
11 DAYS		1	0.00%	158	0.22%
15 DAYS		2	0.00%	160	0.22%
18 DAYS		1	0.00%	161	0.23%
30 DAYS		3	0.00%	164	0.23%
50 DAYS		1	0.00%	165	0.23%
55 DAYS		1	0.00%	166	0.23%
1 WEEKS		194	0.27%	360	0.50%
1.5 WEEKS		2	0.00%	362	0.51%
2 WEEKS		119	0.17%	481	0.67%
2.5 WEEKS		2	0.00%	483	0.68%
3 WEEKS		71	0.10%	554	0.78%
4 WEEKS		20	0.03%	574	0.80%
5 WEEKS		13	0.02%	587	0.82%
6 WEEKS		20	0.03%	607	0.85%
7 WEEKS		3	0.00%	610	0.85%
8 WEEKS		1	0.00%	611	0.86%
9 WEEKS		1	0.00%	612	0.86%
10 WEEKS		2	0.00%	614	0.86%
1 MONTHS		78	0.11%	692	0.97%
1.5 MONTHS		7	0.01%	699	0.98%
2 MONTHS		33	0.05%	732	1.02%
2.5 MONTHS		2	0.00%	734	1.03%
3 MONTHS		15	0.02%	749	1.05%
DON'T KNOW	-1	107	0.15%	856	1.20%
REFUSED TO ANSWER	-2	1	0.00%	857	1.20%
[VALID MISSING]	-9	70580	98.80%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: st_school_911

Description: Staff subject at school on 9/11/01

Stem: On September 11th, 2001 [were you/was SUBJECT] at school?

Type: Radio

Applies To: School staff

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	418	0.59%	418	0.59%
NO	2	150	0.21%	568	0.80%
DON'T KNOW	-1	1	0.00%	569	0.80%
REFUSED TO ANSWER	-2	0	0.00%	569	0.80%
[VALID MISSING]	-9	70868	99.20%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: stret_same

Description: Staff return to school before 12/31/01

Stem: Did [you/SUBJECT] return to work at [FILL SCHOOL NAME FROM SCHST] before December 31st , 2001?

Type: Radio

Applies To: Staff who were in school on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	338	0.47%	338	0.47%
NO	2	78	0.11%	416	0.58%
DON'T KNOW	-1	2	0.00%	418	0.59%
REFUSED TO ANSWER	-2	0	0.00%	418	0.59%
[VALID MISSING]	-9	71019	99.41%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: stdate_retsame

Description: Date staff returned to school

Stem: On what date did [you/SUBJECT] return?

Type: Text

Applies To: Staff who returned to school before 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		191	0.27%	191	0.27%
DON'T KNOW	-1	11	0.02%	202	0.28%
REFUSED TO ANSWER	-2	1	0.00%	203	0.28%
[VALID MISSING]	-9	71234	99.72%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: stdate_estnum

Description: Estimated number of days,weeks or months after 9/11/01staff returned to school

Stem: On what date did [you/SUBJECT] return?

Type: Text

Applies To: Staff who returned to school before 12/31/01 but cannot provide an exact date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1 DAYS		6	0.01%	6	0.01%
2 DAYS		11	0.02%	17	0.02%
3 DAYS		7	0.01%	24	0.03%
4 DAYS		1	0.00%	25	0.03%
5 DAYS		4	0.01%	29	0.04%
6 DAYS		2	0.00%	31	0.04%
7 DAYS		4	0.01%	35	0.05%
8 DAYS		1	0.00%	36	0.05%
9 DAYS		1	0.00%	37	0.05%
10 DAYS		7	0.01%	44	0.06%
14 DAYS		1	0.00%	45	0.06%
1 WEEKS		33	0.05%	78	0.11%
1.5 WEEKS		1	0.00%	79	0.11%
2 WEEKS		17	0.02%	96	0.13%
3 WEEKS		18	0.03%	114	0.16%
4 WEEKS		5	0.01%	119	0.17%
5 WEEKS		2	0.00%	121	0.17%
6 WEEKS		4	0.01%	125	0.17%
1 MONTHS		5	0.01%	130	0.18%
2 MONTHS		3	0.00%	133	0.19%
3 MONTHS		3	0.00%	136	0.19%
DON'T KNOW	-1	12	0.02%	148	0.21%
REFUSED TO ANSWER	-2	1	0.00%	149	0.21%
[VALID MISSING]	-9	71288	99.79%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: build_transit

Description: Was subject in building south of Chambers street between first plane impact and noon on 9/11/01

Stem: On September 11th, 2001 [were you/was SUBJECT] in a building south of Chambers Street between the time of the first plane impact and noon?

Type: Radio

Applies To: Non-student, non-school staff occupant-transit

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	30296	42.41%	30296	42.41%
NO	2	11203	15.68%	41499	58.09%
DON'T KNOW	-1	149	0.21%	41648	58.30%
REFUSED TO ANSWER	-2	3	0.00%	41651	58.30%
[VALID MISSING]	-9	29786	41.70%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: build_code

Description: Building subject was in on 9/11/01 – numeric code from list. Because of confidentiality issues, cells with frequencies less than 25 are not reported (denoted by "- -") and are available based upon review of request.

Stem: What building [were you/was SUBJECT] in?

Type: Select

Applies To: Occupant-transit who were inside a building south of Chambers Street between the first plane impact and noon

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1 Carlisle St	1	--	--		
1 Liberty Plaza	2	349	0.49%		
1 World Financial Center	3	367	0.51%		
101 Barclay St	4	137	0.19%		
110 Church St	5	--	--		
110 Greenwich St	6	--	--		
110 Liberty St	7	--	--		
113-117 Cedar St	8	--	--		
114 Greenwich St	9	--	--		
114 Liberty St	10	--	--		
115 Broadway	11	49	0.07%		
120 Cedar St	13	--	--		
120 Church St	14	--	--		
120 Liberty St	15	--	--		
125 Cedar St	16	--	--		
125 West St	17	--	--		
130 Cedar St	18	--	--		
140 Cedar St	19	--	--		
140 West St	20	83	0.12%		
155 Cedar St	21	--	--		
2 World Financial Center	22	313	0.44%		
200 Liberty St	23	46	0.06%		
200 Vesey St	24	52	0.07%		
201 Vesey St	25	--	--		
22 Cortlandt St	26	59	0.08%		
224 Greenwich	27	--	--		
225 Liberty St	28	--	--		
27 Church St	29	--	--		
3 World Financial Center	30	189	0.26%		
30 West Broadway	31	--	--		
395 South End Ave	32	--	--		
45 Park Place	33	--	--		
47-55 Church St	34	--	--		
5 Carlisle St	35	--	--		
75 Park Place	36	104	0.15%		
90 Cedar St	37	--	--		
90 Church St	38	254	0.36%		
90 West St	39	53	0.07%		
97 Trinity Pl	40	--	--		
Bank of New York	41	55	0.08%		
Bankers Trust - 123 Washington St.	42	--	--		
Bankers Trust - 130 Liberty St.	43	33	0.05%		
Barclay, between Murray & Greenwich Sts	44	--	--		
Borough of Manhattan Community College	45	25	0.03%		
Broadway, between Cedar & Thames Sts	46	33	0.05%		
Century 21	47	41	0.06%		
Corner of Cedar & Greenwich Sts	48	--	--		
Custom House	49	--	--		
Deutsche Bank - 123 Washinton St.	50	--	--		
Deutsche Bank - 130 Liberty St.	51	33	0.05%		
Dolphin Fitness Club	52	--	--		
Federal Office Building	53	44	0.06%		
Fiterman Hall	54	--	--		
Gateway Plaza	55	64	0.09%		
Green Exchange Building	56	--	--		
Marriott Hotel at 85 West St	57	34	0.05%		
Marriott Hotel at WTC3	58	92	0.13%		
Millenium Hilton Hotel	59	30	0.04%		
North Bridge	60	--	--		
North East Plaza	61	--	--		
North Tower	62	159	0.22%		
NYFD Ladder 10	63	--	--		
Post Office	64	32	0.04%		
R.R. Donnelly and Sons Company	65	--	--		
South Bridge	66	42	0.06%		
South East Plaza	67	--	--		
South Tower	68	106	0.15%		
Tower A	70	29	0.04%		
Tower B	71	--	--		
Tower C - Annex	72	--	--		
U.S. Department of Internal Revenue	73	--	--		
U.S. Immigration Service	74	--	--		
U.S. Realty	75	--	--		
Verizon	76	58	0.08%		
West St between Carlisle & Albany Sts	77	--	--		
Winter Garden	78	--	--		
World Trade Center 1	79	2016	2.82%		
World Trade Center 2	80	1853	2.59%		
World Trade Center 3	81	92	0.13%		
World Trade Center 4	82	252	0.35%		
World Trade Center 5	83	383	0.54%		
World Trade Center 6	84	129	0.18%		
World Trade Center 7	85	433	0.61%		
World Trade Center Concourse/Shopping Mall	86	337	0.47%		
Other (SPECIFY)	87	21029	29.44%	28910	41.73%
DON'T KNOW	-1	479	0.67%	30289	42.40%
REFUSED TO ANSWER	-2	7	0.01%	30296	42.41%
[VALID MISSING]	-9	41141	57.59%	71437	100.00%
[INVALID MISSING]	-3	0	100.00%	71437	100.00%
Total				71437	100.00%

Variable: bldg_floor

Description: Floor of building subject was on 9/11/01

Stem: Which floor [were you/was SUBJECT] on? (If [you were/SUBJECT was] on more than one floor, indicate the highest floor [you/he/she] [was/were] on between the time of the first plane impact and noon.)

Type: Text

Applies To: Occupant-transit who were inside a building south of Chambers Street between the first plane impact and noon

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		28614	40.05%	28614	40.05%
DON'T KNOW	-1	1163	1.63%	29777	41.68%
REFUSED TO ANSWER	-2	33	0.05%	29810	41.73%
[VALID MISSING]	-9	41627	58.27%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: bldg_floor_list

Description: Floor of building subject was on 9/11/01- response categories

Stem: ASK ONLY IF NECESSARY: [Were you/Was SUBJECT] in the basement, the lobby, the concourse (shopping mall) on the mezzanine level, at the path or subway station, on a bridge between buildings, or somewhere else?

(If you were on more than one floor, indicate the highest floor you were on between the time of the first plane impact and noon.)

Type: Radio

Applies To: Occupant-transit who cannot report building floor

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BASEMENT	1	157	0.22%	157	0.22%
LOBBY	2	372	0.52%	529	0.74%
CONCOURSE/SHOPPING MALL	3	122	0.17%	651	0.91%
MEZZANINE	4	30	0.04%	681	0.95%
PATH OR SUBWAY STATION	5	150	0.21%	831	1.16%
BRIDGE	6	11	0.02%	842	1.18%
SOMEWHERE ELSE	7	279	0.39%	1121	1.57%
DON'T KNOW	-1	68	0.10%	1189	1.66%
REFUSED TO ANSWER	-2	3	0.00%	1192	1.67%
[VALID MISSING]	-9	70241	98.33%	71433	99.99%
[INVALID MISSING]	-3	4	0.01%	71437	100.00%
TOTAL				71437	100.00%

Variable: bldg_closest

Description: Was building closest location to WTC between first plane impact and noon on 9/11/01

Stem: Was that [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Radio

Applies To: Occupant-transit who were in a non-WTC building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	23373	32.72%	23373	32.72%
NO	2	6286	8.80%	29659	41.52%
DON'T KNOW	-1	80	0.11%	29739	41.63%
REFUSED TO ANSWER	-2	0	0.00%	29739	41.63%
[VALID MISSING]	-9	41698	58.37%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtcbuilding

Description: Closest location to WTC between first plane impact and noon on 9/11/01- building name

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		2213	3.10%	2213	3.10%
DON'T KNOW	-1	242	0.34%	2455	3.44%
REFUSED TO ANSWER	-2	11	0.02%	2466	3.45%
[VALID MISSING]	-9	68867	96.40%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtcaddress

Description: Closest location to WTC between first plane impact and noon on 9/11/01- address

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		339	0.47%	339	0.47%
DON'T KNOW	-1	242	0.34%	581	0.81%
REFUSED TO ANSWER	-2	11	0.02%	592	0.83%
[VALID MISSING]	-9	70741	99.03%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtcstreeta

Description: Closest location to WTC between first plane impact and noon on 9/11/01- first cross street

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		320	0.45%	320	0.45%
DON'T KNOW	-1	242	0.34%	562	0.79%
REFUSED TO ANSWER	-2	11	0.02%	573	0.80%
[VALID MISSING]	-9	70760	99.05%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtcstreetb

Description: Closest location to WTC between first plane impact and noon on 9/11/01- second cross street

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		226	0.32%	226	0.32%
DON'T KNOW	-1	242	0.34%	468	0.66%
REFUSED TO ANSWER	-2	11	0.02%	479	0.67%
[VALID MISSING]	-9	70854	99.18%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtclandmark

Description: Closest location to WTC between first plane impact and noon on 9/11/01- landmark

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		225	0.31%	225	0.31%
DON'T KNOW	-1	242	0.34%	467	0.65%
REFUSED TO ANSWER	-2	11	0.02%	478	0.67%
[VALID MISSING]	-9	70855	99.19%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: wtcsubway

Description: Closest location to WTC between first plane impact and noon on 9/11/01- subway station

Stem: On September 11th, 2001, what was [your/SUBJECT's] closest location to the World Trade Center between the time of the first plane impact and noon?

Type: Text

Applies To: Occupant-transit who were not in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		57	0.08%	57	0.08%
DON'T KNOW	-1	242	0.34%	299	0.42%
REFUSED TO ANSWER	-2	11	0.02%	310	0.43%
[VALID MISSING]	-9	71023	99.42%	71333	99.85%
[INVALID MISSING]	-3	104	0.15%	71437	100.00%
TOTAL				71437	100.00%

Variable: evac

Description: Did subject evacuate from building or area below Chambers Street

Stem: Did [you/SUBJECT] evacuate from a building or area anywhere south of Chambers Street?

Type: Radio

Applies To: All non-student, non-school staff occupant-transit, plus occupant-transit students and school staff who were not in school on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	29681	41.55%	29681	41.55%
NO	2	11807	16.53%	41488	58.08%
DON'T KNOW	-1	167	0.23%	41655	58.31%
REFUSED TO ANSWER	-2	4	0.01%	41659	58.32%
[VALID MISSING]	-9	29778	41.68%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: evac_bldg

Description: Did subject evacuate from building listed earlier

Stem: Was this from [FILL BUILDING FROM BLD_CODE OR BLDG_NAME OR BLDG_ADDRESS]?

Type: Radio

Applies To: Occupant-transit who were in a building

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	23831	33.36%	23831	33.36%
NO	2	1106	1.55%	24937	34.91%
DON'T KNOW	-1	16	0.02%	24953	34.93%
REFUSED TO ANSWER	-2	0	0.00%	24953	34.93%
[VALID MISSING]	-9	46484	65.07%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: evac_time

Description: Estimated time subject began evacuating

Stem: Did [you/SUBJECT] begin evacuating . . .

Type: Radio

Applies To: Occupant-transit who evacuated

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Between the first plane impact and the second plane impact	1	7655	10.72%	7655	10.72%
DURING THE SECOND PLANE IMPACT	2	1160	1.62%	8815	12.34%
Between the second plane impact and the collapse of the first tower	3	10185	14.26%	19000	26.60%
DURING THE COLLAPSE OF THE FIRST TOWER	4	725	1.01%	19725	27.61%
Between the collapse of the first tower and the collapse of the second tower	5	3112	4.36%	22837	31.97%
DURING THE COLLAPSE OF THE SECOND TOWER	6	255	0.36%	23092	32.32%
Or after the collapse of the second tower?	7	6317	8.84%	29409	41.17%
DON'T KNOW	-1	269	0.38%	29678	41.54%
REFUSED TO ANSWER	-2	3	0.00%	29681	41.55%
[VALID MISSING]	-9	41756	58.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: workchamb_911

Description: Was subject's usual place of work south of Chambers Street

Stem: On September 11th, 2001, was [your/SUBJECT's] usual place of work south of Chambers Street ?

Type: Radio

Applies To: Occupant-transit 12 or older on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	29665	41.53%	29665	41.53%
NO	2	11256	15.76%	40921	57.28%
DON'T KNOW	-1	359	0.50%	41280	57.79%
REFUSED TO ANSWER	-2	9	0.01%	41289	57.80%
[VALID MISSING]	-9	30148	42.20%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: retchamb_todec
Description: Did subject return to work between 9/12/01 and 12/31/01
Stem: Between September 12th, 2001 and December 31st, 2001 did [you/SUBJECT] return to work south of Chambers Street?
Type: Radio
Applies To: Occupant-transit 12 or older on 9/11/01 who usually worked south of Chambers Street

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	21022	29.43%	21022	29.43%
NO	2	8570	12.00%	29592	41.42%
DON'T KNOW	-1	72	0.10%	29664	41.52%
REFUSED TO ANSWER	-2	1	0.00%	29665	41.53%
[VALID MISSING]	-9	41772	58.47%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dateret_work
Description: Date subject returned to work south of Chambers Street
Stem: When did [you/SUBJECT] return to work south of Chambers Street?
Type: Text
Applies To: Occupant-transit who returned to work before 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		12431	17.40%	12431	17.40%
DON'T KNOW	-1	247	0.35%	12678	17.75%
REFUSED TO ANSWER	-2	7	0.01%	12685	17.76%
[VALID MISSING]	-9	58752	82.24%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dateret_work_estnum
Description: Estimated number of days,weeks or months after 9/11/01staff returned to workl
Stem: When did [you/SUBJECT] return to work south of Chambers Street?
Type: Text
Applies To: Occupant-transit who returned to work before 12/31/01and unable to report exact date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS		36	0.05%	36	0.05%
1 DAYS		96	0.13%	132	0.18%
2 DAYS		218	0.31%	350	0.49%
3 DAYS		276	0.39%	626	0.88%
4 DAYS		201	0.28%	827	1.16%
5 DAYS		226	0.32%	1053	1.47%
6 DAYS		192	0.27%	1245	1.74%
7 DAYS		107	0.15%	1352	1.89%
8 DAYS		79	0.11%	1431	2.00%
9 DAYS		32	0.04%	1463	2.05%
10 DAYS		269	0.38%	1732	2.42%
11 DAYS		14	0.02%	1746	2.44%
12 DAYS		21	0.03%	1767	2.47%
13 DAYS		14	0.02%	1781	2.49%
14 DAYS		19	0.03%	1800	2.52%
15 DAYS		13	0.02%	1813	2.54%
16 DAYS		2	0.00%	1815	2.54%
17 DAYS		7	0.01%	1822	2.55%
18 DAYS		7	0.01%	1829	2.56%
19 DAYS		3	0.00%	1832	2.56%
20 DAYS		13	0.02%	1845	2.58%
21 DAYS		4	0.01%	1849	2.59%
25 DAYS		3	0.00%	1852	2.59%
28 DAYS		2	0.00%	1854	2.60%
30 DAYS		21	0.03%	1875	2.62%
35 DAYS		1	0.00%	1876	2.63%
40 DAYS		3	0.00%	1879	2.63%
44 DAYS		1	0.00%	1880	2.63%
45 DAYS		10	0.01%	1890	2.65%
60 DAYS		2	0.00%	1892	2.65%
90 DAYS		2	0.00%	1894	2.65%
100 DAYS		1	0.00%	1895	2.65%
1 WEEKS		2257	3.16%	4152	5.81%
1.5 WEEKS		81	0.11%	4233	5.93%
2 WEEKS		2011	2.82%	6244	8.74%
2.3 WEEKS		1	0.00%	6245	8.74%
2.4 WEEKS		1	0.00%	6246	8.74%
2.5 WEEKS		36	0.05%	6282	8.79%
3 WEEKS		800	1.12%	7082	9.91%
3.5 WEEKS		6	0.01%	7088	9.92%
4 WEEKS		142	0.20%	7230	10.12%
5 WEEKS		63	0.09%	7293	10.21%
5.5 WEEKS		1	0.00%	7294	10.21%
6 WEEKS		174	0.24%	7468	10.45%
7 WEEKS		27	0.04%	7495	10.49%
8 WEEKS		25	0.03%	7520	10.53%
10 WEEKS		8	0.01%	7528	10.54%
11 WEEKS		1	0.00%	7529	10.54%
12 WEEKS		2	0.00%	7531	10.54%
14 WEEKS		1	0.00%	7532	10.54%
49 WEEKS		1	0.00%	7533	10.54%
1 MONTHS		446	0.62%	7979	11.17%
1.5 MONTHS		13	0.02%	7992	11.19%
2 MONTHS		209	0.29%	8201	11.48%
2.5 MONTHS		7	0.01%	8208	11.49%
3 MONTHS		70	0.10%	8278	11.59%
3.5 MONTHS		2	0.00%	8280	11.59%
4 MONTHS		18	0.03%	8298	11.62%
4.5 MONTHS		1	0.00%	8299	11.62%
5 MONTHS		7	0.01%	8306	11.63%
6 MONTHS		10	0.01%	8316	11.64%
7 MONTHS		2	0.00%	8318	11.64%
8 MONTHS		3	0.00%	8321	11.65%
9 MONTHS		3	0.00%	8324	11.65%
10 MONTHS		3	0.00%	8327	11.66%
12 MONTHS		3	0.00%	8330	11.66%
13 MONTHS		1	0.00%	8331	11.66%
18 MONTHS		1	0.00%	8332	11.66%
24 MONTHS		3	0.00%	8335	11.67%
27 MONTHS		1	0.00%	8336	11.67%
DON'T KNOW	-1	249	0.35%	8585	12.02%
REFUSED TO ANSWER	-2	7	0.01%	8592	12.03%
[VALID MISSING]	-9	62845	87.97%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust
Description: Was subject outdoors within dust cloud on 9/11/01
Stem: On September 11th, [were you/was SUBJECT] outdoors within a dust or debris cloud resulting from the collapse of the World Trade Center towers?
Type: Radio
Applies To: All living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	36452	51.03%	36452	51.03%
NO	2	34457	48.23%	70909	99.26%
DON'T KNOW	-1	363	0.51%	71272	99.77%
REFUSED TO ANSWER	-2	5	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_address
Description: Location of subject when dust cloud first reached - address
Stem: Where were you when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) first reached you?.
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		15167	21.23%	15167	21.23%
DON'T KNOW	-1	714	1.00%	15881	22.23%
REFUSED TO ANSWER	-2	8	0.01%	15889	22.24%
[VALID MISSING]	-9	55548	77.76%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_streeta
Description: Location of subject when dust cloud first reached - first cross street
Stem: Where were you when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) first reached you?.
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		14050	19.67%	14050	19.67%
DON'T KNOW	-1	714	1.00%	14764	20.67%
REFUSED TO ANSWER	-2	8	0.01%	14772	20.68%
[VALID MISSING]	-9	56665	79.32%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_streetb
Description: Location of subject when dust cloud first reached - second cross street
Stem: Where were you when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) first reached you?.
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		11527	16.14%	11527	16.14%
DON'T KNOW	-1	714	1.00%	12241	17.14%
REFUSED TO ANSWER	-2	8	0.01%	12249	17.15%
[VALID MISSING]	-9	59188	82.85%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_landmark
Description: Location of subject when dust cloud first reached - landmark
Stem: Where were you when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) first reached you?.
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		10732	15.02%	10732	15.02%
DON'T KNOW	-1	714	1.00%	11446	16.02%
REFUSED TO ANSWER	-2	8	0.01%	11454	16.03%
[VALID MISSING]	-9	59983	83.97%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_subway
Description: Location of subject when dust cloud first reached - subway station
Stem: Where were you when the dust or debris cloud (resulting from the collapse of the World Trade Center towers) first reached you?.
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		1119	1.57%	1119	1.57%
DON'T KNOW	-1	714	1.00%	1833	2.57%
REFUSED TO ANSWER	-2	8	0.01%	1841	2.58%
[VALID MISSING]	-9	69596	97.42%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_timehours
Description: Time spent in dust cloud - hours
Stem: About how much total time did [you/SUBJECT] spend outdoors in the dust or debris cloud resulting from the collapse of the World Trade Center towers?
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		20596	28.83%	20596	28.83%
DON'T KNOW	-1	1593	2.23%	22189	31.06%
REFUSED TO ANSWER	-2	18	0.03%	22207	31.09%
[VALID MISSING]	-9	49230	68.91%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_timemins
Description: Time spent in dust cloud - minutes
Stem: About how much total time did [you/SUBJECT] spend outdoors in the dust or debris cloud resulting from the collapse of the World Trade Center towers?
Type: Text
Applies To: Registrants who were in the dust cloud

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		16865	23.61%	16865	23.61%
DON'T KNOW	-1	1593	2.23%	18458	25.84%
REFUSED TO ANSWER	-2	18	0.03%	18476	25.86%
[VALID MISSING]	-9	52961	74.14%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dust_time_est
Description: Estimated time spent in dust cloud
Stem: About how much time would you estimate it was? Would you say . .
Type: Radio
Applies To: Registrants who were in the dust cloud but don't know the exact amount of time

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Less than half an hour,	1	339	0.47%	339	0.47%
At least a half an hour, but less than one hour	2	323	0.45%	662	0.93%
At least one hour but less than one and a half hours, or	3	211	0.30%	873	1.22%
At least one and a half hours up to 2 hours	4	403	0.56%	1276	1.79%
DON'T KNOW	-1	326	0.46%	1602	2.24%
REFUSED TO ANSWER	-2	9	0.01%	1611	2.26%
[VALID MISSING]	-9	69826	97.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: see_airplane
Description: Did subject witness airplane hitting the WTC
Stem: On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?
Type: Radio
Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	20247	28.34%	20247	28.34%
NO	2	50851	71.18%	71098	99.53%
DON'T KNOW	-1	169	0.24%	71267	99.76%
REFUSED TO ANSWER	-2	10	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: see_buildings
Description: Did subject witness buildings collapsing
Stem: On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?
Type: Radio
Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	33179	46.45%	33179	46.45%
NO	2	37916	53.08%	71095	99.52%
DON'T KNOW	-1	178	0.25%	71273	99.77%
REFUSED TO ANSWER	-2	4	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: see_running
Description: Did subject witness people running away from cloud of smoke
Stem: On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?
Type: Radio
Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	37620	52.66%	37620	52.66%
NO	2	33453	46.83%	71073	99.49%
DON'T KNOW	-1	197	0.28%	71270	99.77%
REFUSED TO ANSWER	-2	7	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: see_injury
Description: Did subject witness anyone injured or killed
Stem: On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?
Type: Radio
Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	23547	32.96%	23547	32.96%
NO	2	47102	65.94%	70649	98.90%
DON'T KNOW	-1	610	0.85%	71259	99.75%
REFUSED TO ANSWER	-2	18	0.03%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: see_people
Description: Did subject witness people falling or jumping from WTC
Stem: On September 11th, 2001, did [you/SUBJECT] personally witness any of the following?
Type: Radio
Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	20343	28.48%	20343	28.48%
NO	2	50213	70.29%	70556	98.77%
DON'T KNOW	-1	699	0.98%	71255	99.75%
REFUSED TO ANSWER	-2	22	0.03%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: firstdate_work_wtc
Description: First date working at WTC site
Stem: The next questions are about working at the World Trade Center site. What was [your/SUBJECT's] first day working at the World Trade Center site?
Type: Text
Applies To: WTC site workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/11/2001		7825	10.95%	7825	10.95%
09/12/2001		5870	8.22%	13695	19.17%
09/13/2001 - 09/17/2001		5971	8.36%	19666	27.53%
09/18/2001 - 12/31/2001		6276	8.79%	25942	36.31%
01/01/2002 and later		2066	2.89%	28008	39.21%
09/2001		0	0.00%	28008	39.21%
10/2001 - 12/2001		0	0.00%	28008	39.21%
DON'T KNOW	-1	1575	2.20%	29583	41.41%
REFUSED TO ANSWER	-2	97	0.14%	29680	41.55%
[VALID MISSING]	-9	41757	58.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: lastdate_work_wtc
Description: Last date working at WTC site
Stem: What was [your/SUBJECT's] last day working at the World Trade Center site?
Type: Text
Applies To: WTC site workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/11/2001		689	0.96%	689	0.96%
09/12/2001		885	1.24%	1574	2.20%
09/13/2001 - 09/17/2001		3269	4.58%	4843	6.78%
09/18/2001 - 12/31/2001		10981	15.37%	15824	22.15%
01/01/2002 and later		10295	14.41%	26119	36.56%
09/2001		84	0.12%	26203	36.68%
10/2001 - 12/2001		518	0.73%	26721	37.40%
DON'T KNOW	-1	2821	3.95%	29542	41.35%
REFUSED TO ANSWER	-2	138	0.19%	29680	41.55%
[VALID MISSING]	-9	41757	58.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_sep13-17
Description: Number of days worked at the WTC site 9/13/01 - 9/17/01
Stem: How many days did [you/SUBJECT] work at the World Trade Center site from September 13th, 2001 to September 17th, 2001?
Type: Radio
Applies To: WTC site workers who worked any day between 9/13/01 and 9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	1794	2.51%	1794	2.51%
1 DAY	2	2392	3.35%	4186	5.86%
2 DAYS	3	2672	3.74%	6858	9.60%
3 DAYS	4	2728	3.82%	9586	13.42%
4 DAYS	5	2301	3.22%	11887	16.64%
5 DAYS	6	1184	1.66%	13071	18.30%
EVERY DAY	7	6149	8.61%	19220	26.90%
DON'T KNOW	-1	491	0.69%	19711	27.59%
REFUSED TO ANSWER	-2	52	0.07%	19763	27.66%
[VALID MISSING]	-9	51674	72.34%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	dayswork_sep-dec
Description:	Number of days worked at the WTC site 9/18/01 - 12/31/01
Stem:	How many days did [you/SUBJECT] work (at the World Trade Center site) from September 18th, 2001 to December 31st, 2001?
Type:	Radio
Applies To:	WTC site workers who worked any day between 9/18/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	1203	1.68%	1203	1.68%
1 TO 2 DAYS	2	2654	3.72%	3857	5.40%
3 TO 6 DAYS	3	3575	5.00%	7432	10.40%
7 TO 30 DAYS	4	7814	10.94%	15246	21.34%
31 TO 60 DAYS	5	2882	4.03%	18128	25.38%
MORE THAN 60 DAYS	6	4059	5.68%	22187	31.06%
DON'T KNOW	-1	535	0.75%	22722	31.81%
REFUSED TO ANSWER	-2	49	0.07%	22771	31.88%
[VALID MISSING]	-9	48666	68.12%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	dayswork_02
Description:	Number of days worked at the WTC site after 12/31/01
Stem:	How many days did [you/SUBJECT] work (at the World Trade Center site) after December 31st, 2001?
Type:	Radio
Applies To:	WTC site workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	1199	1.68%	1199	1.68%
1 TO 2 DAYS	2	1012	1.42%	2211	3.10%
3 TO 6 DAYS	3	1565	2.19%	3776	5.29%
7 TO 30 DAYS	4	3689	5.16%	7465	10.45%
31 TO 60 DAYS	5	1417	1.98%	8882	12.43%
MORE THAN 60 DAYS	6	3867	5.41%	12749	17.85%
DON'T KNOW	-1	459	0.64%	13208	18.49%
REFUSED TO ANSWER	-2	46	0.06%	13254	18.55%
[VALID MISSING]	-9	58183	81.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable:	worker_cat
Description:	Organization worked for at the WTC site. Because of confidentiality issues, cells with frequencies less than 25 are not reported (denoted by "- -") and are available based upon review of request.
Stem:	What organization did [you/SUBJECT] work for at the World Trade Center site?
Type:	Radio
Applies To:	Responders

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
FDNY (includes Ladder Co, Hazmat)	1	2589	3.62%		
Fire Department Personnel (NON-NYC)	2	344	0.48%		
FDNY-EMS	3	385	0.54%		
Other NYC EMS	4	102	0.14%		
EMS (NON-NYC)	5	145	0.20%		
DMATS, Medcor, other	6	46	0.06%		
Medical Examiners Office (Morgue attendants, Mes)	7	40	0.06%		
NYPD (CSUs, uniformed personnel, non-uniformed personnel)	8	3447	4.83%		
Port Authority Police (PAP)	9	81	0.11%		
Other Port Authority personnel	10	67	0.09%		
NYS Law Enforcement (State Troopers)	11	46	0.06%		
Federal Law Enforcement (FBI, etc.)	12	93	0.13%		
US Corps of Engineers	13	26	0.04%		
US Corps of Engineers Contractor (EE&G)	14	--	--		
US Corps of Engineers Contractor Phillips and Jordan	15	--	--		
Volunteer Organization (Red Cross, Salvation Army, et al)	16	4441	6.22%		
Volunteer (non-affiliated)	17	1715	2.40%		
Coast Guard	18	162	0.23%		
National Guard	19	170	0.24%		
Secret Service	20	--	--		
US Environmental Protection Agency	21	47	0.07%		
FEMA or other federal agency	22	658	0.92%		
New York State Department of Environmental Services	23	37	0.05%		
Urban Search and Rescue Teams NYS, NYC, Other	24	89	0.12%		
NYS Agency not referred to above	25	109	0.15%		
MTA, Transit Authority	26	406	0.57%		
NYC DEPT OF SANITATION	27	1714	2.40%		
NYC DEPT OF DESIGN AND CONSTRUCTION (DDC)	28	138	0.19%		
NYC Agency not referred to above	29	496	0.69%		
Utility Companies (phone/gas/cable/water/electric)	30	589	0.82%		
Construction Companies (steel workers, engineers, transport, debris removal, grappler and excavator, demolition, etc.)	31	1443	2.02%		
Dust control company	32	59	0.08%		
Pest control company	33	--	--		
Clergy	34	46	0.06%		
Other (SPECIFY)	35	9641	13.50%	29401	41.16%
DON'T KNOW	-1	209	0.29%	29610	41.45%
REFUSED TO ANSWER	-2	70	0.10%	29680	41.55%
[VALID MISSING]	-9	41757	100.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.0%	71437	100.00%
Total				71437	100.00%

Variable: worker_catsp
Description: Organization worked for at the WTC site - specify
Stem: What organization did [you/SUBJECT] work for at the World Trade Center site?
Type: Text
Applies To: Responders

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		9641	13.50%	9641	13.50%
DON'T KNOW	-1	0	0.00%	9641	13.50%
REFUSED TO ANSWER	-2	0	0.00%	9641	13.50%
[VALID MISSING]	-9	61796	86.50%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile
Description: Did subject ever work on the pile at WTC site
Stem: Did [you/SUBJECT] ever work on the pile at the World Trade Center site?
Type: Radio
Applies To: WTC site workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	12512	17.51%	12512	17.51%
NO	2	17095	23.93%	29607	41.44%
DON'T KNOW	-1	50	0.07%	29657	41.51%
REFUSED TO ANSWER	-2	23	0.03%	29680	41.55%
[VALID MISSING]	-9	41757	58.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile_911
Description: Did subject work on the pile on 9/11/01
Stem: And did [you/SUBJECT] work on the pile on September 11, 2001?
Type: Radio
Applies To: WTC site workers who worked on the pile and worked 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4098	5.74%	4098	5.74%
NO	2	1302	1.82%	5400	7.56%
DON'T KNOW	-1	7	0.01%	5407	7.57%
REFUSED TO ANSWER	-2	0	0.00%	5407	7.57%
[VALID MISSING]	-9	66030	92.43%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_fire
Description: Did subject perform activity on pile on 9/11/01 - firefighting
Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Firefighting
Type: Radio
Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1682	2.35%	1682	2.35%
NO	2	2413	3.38%	4095	5.73%
DON'T KNOW	-1	3	0.00%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_search
Description: Did subject perform activity on pile on 9/11/01 - search and rescue
Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Search and rescue
Type: Radio
Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3762	5.27%	3762	5.27%
NO	2	329	0.46%	4091	5.73%
DON'T KNOW	-1	7	0.01%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_handdig
Description: Did subject perform activity on pile on 9/11/01 - hand digging
Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Hand digging
Type: Radio
Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3616	5.06%	3616	5.06%
NO	2	480	0.67%	4096	5.73%
DON'T KNOW	-1	2	0.00%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_welding

Description: Did subject perform activity on pile on 9/11/01 - welding/steelcutting/torch

Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Welding/Steel cutting/Torch operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	543	0.76%	543	0.76%
NO	2	3555	4.98%	4098	5.74%
DON'T KNOW	-1	0	0.00%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_equipment

Description: Did subject perform activity on pile on 9/11/01 - heavy equipment operation

Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Heavy equipment operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	319	0.45%	319	0.45%
NO	2	3778	5.29%	4097	5.74%
DON'T KNOW	-1	1	0.00%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile911_lightcons

Description: Did subject perform activity on pile on 9/11/01 - light construction

Stem: On September 11th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Light construction

Type: Radio

Applies To: WTC site workers who worked on the pile 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	764	1.07%	764	1.07%
NO	2	3323	4.65%	4087	5.72%
DON'T KNOW	-1	11	0.02%	4098	5.74%
REFUSED TO ANSWER	-2	0	0.00%	4098	5.74%
[VALID MISSING]	-9	67339	94.26%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_pile911

Description: How often subject wore mask at WTC on 9/11/01

Stem: On September 11th, 2001, did [you/SUBJECT] wear a mask…

Type: Radio

Applies To: WTC site workers who worked on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	342	0.48%	342	0.48%
most of the time,	2	982	1.37%	1324	1.85%
some of the time, or	3	2817	3.94%	4141	5.80%
not at all?	4	5234	7.33%	9375	13.12%
DON'T KNOW	-1	77	0.11%	9452	13.23%
REFUSED TO ANSWER	-2	44	0.06%	9496	13.29%
[VALID MISSING]	-9	61941	86.71%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile_912

Description: Did subject work on the pile on 9/12/01

Stem: Did [you/SUBJECT] work on the pile on September 12th, 2001?

Type: Radio

Applies To: WTC site workers who worked on the pile and worked 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	6617	9.26%	6617	9.26%
NO	2	1781	2.49%	8398	11.76%
DON'T KNOW	-1	69	0.10%	8467	11.85%
REFUSED TO ANSWER	-2	0	0.00%	8467	11.85%
[VALID MISSING]	-9	62970	88.15%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_fire

Description: Did subject perform activity on pile on 9/12/01 - firefighting

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Firefighting

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1747	2.45%	1747	2.45%
NO	2	4863	6.81%	6610	9.25%
DON'T KNOW	-1	7	0.01%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_search

Description: Did subject perform activity on pile on 9/12/01 - search and rescue

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Search and rescue

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5647	7.90%	5647	7.90%
NO	2	964	1.35%	6611	9.25%
DON'T KNOW	-1	6	0.01%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_handdig

Description: Did subject perform activity on pile on 9/12/01 - hand digging

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Hand digging

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5568	7.79%	5568	7.79%
NO	2	1049	1.47%	6617	9.26%
DON'T KNOW	-1	0	0.00%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_welding

Description: Did subject perform activity on pile on 9/12/01 - welding/steelcutting/torch

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Welding/steelcutting/torch operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	922	1.29%	922	1.29%
NO	2	5691	7.97%	6613	9.26%
DON'T KNOW	-1	4	0.01%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_equipment

Description: Did subject perform activity on pile on 9/12/01 - heavy equipment operation

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Heavy equipment operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	634	0.89%	634	0.89%
NO	2	5978	8.37%	6612	9.26%
DON'T KNOW	-1	5	0.01%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile912_lightcons

Description: Did subject perform activity on pile on 9/12/01 - light construction

Stem: On September 12th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Light construction

Type: Radio

Applies To: WTC site workers who worked on the pile 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1307	1.83%	1307	1.83%
NO	2	5286	7.40%	6593	9.23%
DON'T KNOW	-1	24	0.03%	6617	9.26%
REFUSED TO ANSWER	-2	0	0.00%	6617	9.26%
[VALID MISSING]	-9	64820	90.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_pile912

Description: How often subject wore mask at WTC on 9/12/01

Stem: On September 12th, 2001, did [you/SUBJECT] wear a mask . . .

Type: Radio

Applies To: WTC site workers who worked 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	945	1.32%	945	1.32%
most of the time,	2	2593	3.63%	3538	4.95%
some of the time, or	3	4823	6.75%	8361	11.70%
not at all?	4	6063	8.49%	14424	20.19%
DON'T KNOW	-1	178	0.25%	14602	20.44%
REFUSED TO ANSWER	-2	76	0.11%	14678	20.55%
[VALID MISSING]	-9	56759	79.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile_913_17

Description: Did subject work on the pile 9/13/01 - 9/17/01

Stem: Did [you/SUBJECT] work on the pile at any time from September 13th to September 17th, 2001?

Type: Radio

Applies To: WTC site workers who worked any day between 9/13/01 and 9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	8571	12.00%	8571	12.00%
NO	2	1162	1.63%	9733	13.62%
DON'T KNOW	-1	69	0.10%	9802	13.72%
REFUSED TO ANSWER	-2	0	0.00%	9802	13.72%
[VALID MISSING]	-9	61635	86.28%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile913_17_fire

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - firefighting

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Firefighting

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1968	2.75%	1968	2.75%
NO	2	6598	9.24%	8566	11.99%
DON'T KNOW	-1	5	0.01%	8571	12.00%
REFUSED TO ANSWER	-2	0	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile913_17_search

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - search and rescue

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Search and rescue

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	6799	9.52%	6799	9.52%
NO	2	1762	2.47%	8561	11.98%
DON'T KNOW	-1	10	0.01%	8571	12.00%
REFUSED TO ANSWER	-2	0	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile913_17_handdig

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - hand digging

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Hand digging

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	6877	9.63%	6877	9.63%
NO	2	1684	2.36%	8561	11.98%
DON'T KNOW	-1	10	0.01%	8571	12.00%
REFUSED TO ANSWER	-2	0	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile913_17_welding

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - welding/steelcutting/torch

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Welding/steelcutting/torch operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1210	1.69%	1210	1.69%
NO	2	7358	10.30%	8568	11.99%
DON'T KNOW	-1	3	0.00%	8571	12.00%
REFUSED TO ANSWER	-2	0	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile913_17_equipment

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - heavy equipment operation

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Heavy equipment operation

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	776	1.09%	776	1.09%
NO	2	7788	10.90%	8564	11.99%
DON'T KNOW	-1	6	0.01%	8570	12.00%
REFUSED TO ANSWER	-2	1	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

			Cumulative	Cumulative
TOTAL			71437	100.00%

Variable: pile913_17_lightcons

Description: Did subject perform activity on pile 9/13/01 - 9/17/01 - light construction

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, did [you/SUBJECT] perform any of the following activities on the pile? Light construction

Type: Radio

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1640	2.30%	1640	2.30%
NO	2	6901	9.66%	8541	11.96%
DON'T KNOW	-1	30	0.04%	8571	12.00%
REFUSED TO ANSWER	-2	0	0.00%	8571	12.00%
[VALID MISSING]	-9	62866	88.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: worksec_sep13-17

Description: Sector of WTC site worked in 9/13/01 - 9/17/01

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, which area of the World Trade Center site did [you/SUBJECT] work in?

Type: Checkbox

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)	1	3857	4.82%	3857	4.82%
NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)	2	4449	5.56%	8306	10.39%
SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)	3	4094	5.12%	12400	15.51%
7 WORLD TRADE CENTER (TURNER SECTOR)	4	2859	3.58%	15259	19.08%
OTHER (SPECIFY)	5	1232	1.54%	16491	20.62%
DON'T KNOW	-1	609	0.76%	17100	21.38%
REFUSED TO ANSWER	-2	1	0.00%	17101	21.39%
[VALID MISSING]	-9	62866	78.61%	79967	100.00%
[INVALID MISSING]	-3	0	0.00%	79967	100.00%
TOTAL				79967	100.00%

Variable: worksec_sep13-17sp

Description: Sector of WTC site worked in 9/13/01 - 9/17/01 - Specify

Stem: On those days [you/SUBJECT] worked from September 13th to September 17th, 2001, which area of the World Trade Center site did [you/SUBJECT] work in? MARK ALL THAT APPLY. READ ANSWERS IF NECESSARY. CONFIRM WITH RESPONDENT BY READING THE FULL ANSWER CATEGO

Type: Text

Applies To: WTC site workers who worked on the pile 9/13-9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		1232	1.72%	1232	1.72%
DON'T KNOW	-1	0	0.00%	1232	1.72%
REFUSED TO ANSWER	-2	0	0.00%	1232	1.72%
[VALID MISSING]	-9	70205	98.28%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%

Variable: resp_sep13_17

Description: How often subject wore mask at WTC 9/13/01 - 9/17/01

Stem: From September 13th to September 17th, 2001, did [you/SUBJECT] wear a mask . . .

Type: Radio

Applies To: WTC site workers who worked any day between 9/13/01 and 9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	1339	1.87%	1339	1.87%
most of the time,	2	4415	6.18%	5754	8.05%
some of the time, or	3	7817	10.94%	13571	19.00%
not at all?	4	3791	5.31%	17362	24.30%
DON'T KNOW	-1	56	0.08%	17418	24.38%
REFUSED TO ANSWER	-2	7	0.01%	17425	24.39%
[VALID MISSING]	-9	54012	75.61%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile918_dec31

Description: Did subject work on the pile 9/18/01 - 12/31/01

Stem: Did [you/SUBJECT] work on the pile at any time from September 18th to December 31st, 2001?

Type: Radio

Applies To: WTC site workers who worked any day between 9/18/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	8081	11.31%	8081	11.31%
NO	2	1714	2.40%	9795	13.71%
DON'T KNOW	-1	78	0.11%	9873	13.82%
REFUSED TO ANSWER	-2	0	0.00%	9873	13.82%
[VALID MISSING]	-9	61564	86.18%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_fire

Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - firefighting

Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Firefighting

Type: Radio

Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1832	2.56%	1832	2.56%
NO	2	6244	8.74%	8076	11.31%
DON'T KNOW	-1	5	0.01%	8081	11.31%
REFUSED TO ANSWER	-2	0	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_search
Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - search and rescue
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Search and rescue
Type: Radio
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5699	7.98%	5699	7.98%
NO	2	2376	3.33%	8075	11.30%
DON'T KNOW	-1	6	0.01%	8081	11.31%
REFUSED TO ANSWER	-2	0	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_handdig
Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - hand digging
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Hand digging
Type: Radio
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5598	7.84%	5598	7.84%
NO	2	2478	3.47%	8076	11.31%
DON'T KNOW	-1	5	0.01%	8081	11.31%
REFUSED TO ANSWER	-2	0	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_welding
Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - welding/steelcutting/torch operation
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Welding/stellcutting/torch operation
Type: Radio
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1108	1.55%	1108	1.55%
NO	2	6972	9.76%	8080	11.31%
DON'T KNOW	-1	1	0.00%	8081	11.31%
REFUSED TO ANSWER	-2	0	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_equipment
Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - heavy equipment operation
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Heavy equipment operation
Type: Radio
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	887	1.24%	887	1.24%
NO	2	7189	10.06%	8076	11.31%
DON'T KNOW	-1	4	0.01%	8080	11.31%
REFUSED TO ANSWER	-2	1	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pile918_dec31_lightcons
Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - light construction
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st 2001, did [you/SUBJECT] perform any of the following activities on the pile? Light construction
Type: Radio
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1608	2.25%	1608	2.25%
NO	2	6448	9.03%	8056	11.28%
DON'T KNOW	-1	24	0.03%	8080	11.31%
REFUSED TO ANSWER	-2	1	0.00%	8081	11.31%
[VALID MISSING]	-9	63356	88.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: worksec_sep18-dec31
Description: Sector of WTC site worked in 9/18/01 - 12/31/01
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st, 2001, which area of the World Trade Center site did [you/SUBJECT] work in?
Type: Checkbox
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)	1	4559	5.53%	4559	5.53%
NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)	2	4867	5.90%	9426	11.43%
SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)	3	4504	5.46%	13930	16.89%
7 WORLD TRADE CENTER (TURNER SECTOR)	4	3572	4.33%	17502	21.22%
OTHER (SPECIFY)	5	1157	1.40%	18659	22.62%
DON'T KNOW	-1	457	0.55%	19116	23.18%
REFUSED TO ANSWER	-2	2	0.00%	19118	23.18%
[VALID MISSING]	-9	63356	76.82%	82474	100.00%
[INVALID MISSING]	-3	0	0.00%	82474	100.00%

				Cumulative	Cumulative
TOTAL		82474	100.00%		

Variable: worksec_sep18-dec31sp
Description: Sector of WTC site worked in 9/18/01 - 12/31/01 - Specify
Stem: On those days [you/SUBJECT] worked from September 18th to December 31st, 2001, which area of the World Trade Center site did [you/SUBJECT] work in?
Type: Text
Applies To: WTC site workers who worked on the pile 9/18/01 - 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		1157	1.62%	1157	1.62%
DON'T KNOW	-1	0	0.00%	1157	1.62%
REFUSED TO ANSWER	-2	0	0.00%	1157	1.62%
[VALID MISSING]	-9	70280	98.38%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_sep18_dec31
Description: How often subject wore mask at WTC 9/18/01 - 12/31/01
Stem: From September 18th to December 31st, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: WTC site workers who worked any day between 9/18/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	1468	2.05%	1468	2.05%
most of the time,	2	4992	6.99%	6460	9.04%
some of the time, or	3	9056	12.68%	15516	21.72%
not at all?	4	5332	7.46%	20848	29.18%
DON'T KNOW	-1	52	0.07%	20900	29.26%
REFUSED TO ANSWER	-2	6	0.01%	20906	29.26%
[VALID MISSING]	-9	50531	70.74%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_pile_jan1
Description: Did subject work on the pile after 12/31/01
Stem: On those days [you/SUBJECT] worked after December 31st, 2001, did [you/SUBJECT] work on the pile?
Type: Radio
Applies To: WTC site workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3494	4.89%	3494	4.89%
NO	2	1577	2.21%	5071	7.10%
DON'T KNOW	-1	40	0.06%	5111	7.15%
REFUSED TO ANSWER	-2	0	0.00%	5111	7.15%
[VALID MISSING]	-9	66326	92.85%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_fire
Description: Did subject perform activity on pile after 12/31/01 - firefighting
Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Firefighting
Type: Radio
Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	777	1.09%	777	1.09%
NO	2	2713	3.80%	3490	4.89%
DON'T KNOW	-1	4	0.01%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_search
Description: Did subject perform activity on pile after 12/31/01 - search and rescue
Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Search and rescue
Type: Radio
Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2246	3.14%	2246	3.14%
NO	2	1241	1.74%	3487	4.88%
DON'T KNOW	-1	7	0.01%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_handdig
Description: Did subject perform activity on pile after 12/31/01 - hand digging
Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Hand digging
Type: Radio
Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2266	3.17%	2266	3.17%
NO	2	1223	1.71%	3489	4.88%
DON'T KNOW	-1	5	0.01%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_welding

Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - welding/steelcutting/torch operation

Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Welding/stellcutting/torch operation

Type: Radio

Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	525	0.73%	525	0.73%
NO	2	2967	4.15%	3492	4.89%
DON'T KNOW	-1	2	0.00%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_equipment

Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - heavy equipment operation

Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Heavy equipment operation

Type: Radio

Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	539	0.75%	539	0.75%
NO	2	2954	4.14%	3493	4.89%
DON'T KNOW	-1	1	0.00%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: pilejan1_lightcons

Description: Did subject perform activity on pile 9/18/01 - 12/31/01 - light construction

Stem: Did [you/SUBJECT] perform any of the following activities on the pile at the WTC site after December 31st, 2001? Light construction

Type: Radio

Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	867	1.21%	867	1.21%
NO	2	2617	3.66%	3484	4.88%
DON'T KNOW	-1	10	0.01%	3494	4.89%
REFUSED TO ANSWER	-2	0	0.00%	3494	4.89%
[VALID MISSING]	-9	67943	95.11%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: worksec_jan1

Description: Sector of WTC site worked in after 12/3101

Stem: On those days [you/SUBJECT] worked after December 31st, 2001, which area of the World Trade Center site did [you/SUBJECT] work in?

Type: Checkbox

Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
EAST SIDE – 2, 4, AND 5 WORLD TRADE CENTER (TULLY SECTOR)	1	2335	3.01%	2335	3.01%
NORTHWEST SIDE – 1 AND 6 WORLD TRADE CENTER (AMEC SECTOR)	2	2431	3.14%	4766	6.15%
SOUTHWEST SIDE – 3 WORLD TRADE CENTER (BOVIS SECTOR)	3	2280	2.94%	7046	9.09%
7 WORLD TRADE CENTER (TURNER SECTOR)	4	1863	2.40%	8909	11.50%
OTHER (SPECIFY)	5	509	0.66%	9418	12.15%
DON'T KNOW	-1	124	0.16%	9542	12.31%
REFUSED TO ANSWER	-2	0	0.00%	9542	12.31%
[VALID MISSING]	-9	67943	87.69%	77485	100.00%
[INVALID MISSING]	-3	0	0.00%	77485	100.00%
TOTAL				77485	100.00%

Variable: worksec_jan1sp

Description: Sector of WTC site worked in after 12/31/01 - Specify

Stem: On those days [you/SUBJECT] worked after December 31st, 2001, which area of the World Trade Center site did [you/SUBJECT] work in? MARK ALL THAT APPLY. READ ANSWERS IF NECESSARY. CONFIRM WITH RESPONDENT BY READING THE FULL ANSWER CATEGORY.

Type: Text

Applies To: WTC site workers who worked on the pile after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		509	0.71%	509	0.71%
DON'T KNOW	-1	0	0.00%	509	0.71%
REFUSED TO ANSWER	-2	0	0.00%	509	0.71%
[VALID MISSING]	-9	70928	99.29%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_jan1
Description: How often subject wore mask at WTC 9/18/01 - 12/31/01
Stem: After December 31st, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: WTC site workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	930	1.30%	930	1.30%
most of the time,	2	2132	2.98%	3062	4.29%
some of the time, or	3	3300	4.62%	6362	8.91%
not at all?	4	5110	7.15%	11472	16.06%
DON'T KNOW	-1	34	0.05%	11506	16.11%
REFUSED TO ANSWER	-2	4	0.01%	11510	16.11%
[VALID MISSING]	-9	59927	83.89%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_siland_barge
Description: Subject worked on Staten Island, barge, or both
Stem: Earlier, you reported that [you/SUBJECT] worked at either the World Trade Center Recovery Operation on Staten Island or on a barge. Which of these did [you/SUBJECT] work on?
Type: Radio
Applies To: Staten Island or barge workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
WORLD TRADE CENTER RECOVERY OPERATION ON STATEN ISLAND	1	3470	4.86%	3470	4.86%
BARGE	2	329	0.46%	3799	5.32%
BOTH	3	273	0.38%	4072	5.70%
DON'T KNOW	-1	299	0.42%	4371	6.12%
REFUSED TO ANSWER	-2	114	0.16%	4485	6.28%
[VALID MISSING]	-9	66952	93.72%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: firstdate_work_si
Description: First date working at WTC Recovery Operation on Staten Island
Stem: From September 12th 2001, what was [your/SUBJECT's] first day working at the World Trade Center Recovery Operation on Staten Island?
Type: Text
Applies To: Staten Island workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/12/2001		346	0.48%	346	0.48%
09/13/2001 - 09/17/2001		517	0.72%	863	1.21%
09/18/2001 - 12/31/2001		1326	1.86%	2189	3.06%
01/01/2002 and later		749	1.05%	2938	4.11%
09/2001		38	0.05%	2976	4.17%
10/2001 - 12/2001		126	0.18%	3102	4.34%
DON'T KNOW	-1	633	0.89%	3735	5.23%
REFUSED TO ANSWER	-2	7	0.01%	3742	5.24%
[VALID MISSING]	-9	67694	94.76%	71436	100.00%
[INVALID MISSING]	-3	1	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: lastdate_work_si
Description: Last date working at WTC Recovery Operation on Staten Island
Stem: What was [your/SUBJECT's] last day working at the World Trade Center Recovery Operation on Staten Island?
Type: Text
Applies To: Staten Island workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/12/2001		24	0.03%	24	0.03%
09/13/2001 - 09/17/2001		105	0.15%	129	0.18%
09/18/2001 - 12/31/2001		1034	1.45%	1163	1.63%
01/01/2002 and later		1694	2.37%	2857	4.00%
09/2001		10	0.01%	2867	4.01%
10/2001 - 12/2001		99	0.14%	2966	4.15%
DON'T KNOW	-1	767	1.07%	3733	5.23%
REFUSED TO ANSWER	-2	9	0.01%	3742	5.24%
[VALID MISSING]	-9	67694	94.76%	71436	100.00%
[INVALID MISSING]	-3	1	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_sep12dec31
Description: Number of days worked at WTC Recovery Operation on Staten Island 9/12/01 - 12/31/01
Stem: From September 12th, 2001 to December 31st, 2001, how many days did [you/SUBJECT] work at the World Trade Center Recovery Operation on Staten Island?
Type: Radio
Applies To: Staten Island workers who worked any day between 9/12/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	136	0.19%	136	0.19%
1 TO 2 DAYS	2	667	0.93%	803	1.12%
3 TO 6 DAYS	3	516	0.72%	1319	1.85%
7 TO 30 DAYS	4	930	1.30%	2249	3.15%
31 TO 60 DAYS	5	224	0.31%	2473	3.46%
MORE THAN 60 DAYS	6	448	0.63%	2921	4.09%
DON'T KNOW	-1	66	0.09%	2987	4.18%
REFUSED TO ANSWER	-2	6	0.01%	2993	4.19%
[VALID MISSING]	-9	68443	95.81%	71436	100.00%
[INVALID MISSING]	-3	1	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_excl_sep12dec31
Description: Did subject work in exclusion zone 9/12/01 - 12/31/01
Stem: From September 12th, 2001 to December 31st, 2001, did [you/SUBJECT] work in the exclusion zone?
Type: Radio
Applies To: Staten Island workers who worked any day between 9/12/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1938	2.71%	1938	2.71%
NO	2	803	1.12%	2741	3.84%
DON'T KNOW	-1	112	0.16%	2853	3.99%
REFUSED TO ANSWER	-2	5	0.01%	2858	4.00%
[VALID MISSING]	-9	68579	96.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_siland_sep12dec31

Description: How often subject wore mask at Staten Island 9/12/01 - 12/31/01

Stem: From September 12th, 2001 to December 31st, 2001, did [you/SUBJECT] wear a mask . .

Type: Radio

Applies To: Staten Island workers who worked any day between 9/12/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	476	0.67%	476	0.67%
most of the time,	2	955	1.34%	1431	2.00%
some of the time, or	3	922	1.29%	2353	3.29%
not at all?	4	492	0.69%	2845	3.98%
DON'T KNOW	-1	9	0.01%	2854	4.00%
REFUSED TO ANSWER	-2	4	0.01%	2858	4.00%
[VALID MISSING]	-9	68579	96.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_jan1

Description: Number of days worked at WTC Recovery Operation on Staten Island after 12/31/01

Stem: After December 31st, 2001, how many days did [you/SUBJECT] work at the World Trade Center Recovery Operation on Staten Island?

Type: Radio

Applies To: Staten Island workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	258	0.36%	258	0.36%
1 TO 2 DAYS	2	339	0.47%	597	0.84%
3 TO 6 DAYS	3	367	0.51%	964	1.35%
7 TO 30 DAYS	4	805	1.13%	1769	2.48%
31 TO 60 DAYS	5	155	0.22%	1924	2.69%
MORE THAN 60 DAYS	6	452	0.63%	2376	3.33%
DON'T KNOW	-1	90	0.13%	2466	3.45%
REFUSED TO ANSWER	-2	4	0.01%	2470	3.46%
[VALID MISSING]	-9	68966	96.54%	71436	100.00%
[INVALID MISSING]	-3	1	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: work_excl_jan1

Description: Did subject work in exclusion zone after 12/31/01

Stem: After December 31st, 2001, did [you/SUBJECT] work in the exclusion zone?

Type: Radio

Applies To: Staten Island workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1457	2.04%	1457	2.04%
NO	2	661	0.93%	2118	2.96%
DON'T KNOW	-1	91	0.13%	2209	3.09%
REFUSED TO ANSWER	-2	3	0.00%	2212	3.10%
[VALID MISSING]	-9	69225	96.90%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_siland_jan1

Description: How often subject wore mask at Staten Island after 12/31/01

Stem: (After December 31st, 2001,) Did [you/SUBJECT] wear a mask . . .

Type: Radio

Applies To: Staten Island workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	482	0.67%	482	0.67%
most of the time,	2	706	0.99%	1188	1.66%
some of the time, or	3	608	0.85%	1796	2.51%
not at all?	4	399	0.56%	2195	3.07%
DON'T KNOW	-1	12	0.02%	2207	3.09%
REFUSED TO ANSWER	-2	5	0.01%	2212	3.10%
[VALID MISSING]	-9	69225	96.90%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: worker_cat_si

Description: Organization worked for at the WTC Recovery Operations on Staten Island. Because of confidentiality issues, cells with frequencies less than 25 are not reported (denoted by "- -") and are available based upon review of request.

Stem: What organization did [you/SUBJECT] work for at the World Trade Center Recovery Operation on Staten Island?

Type: Radio

Applies To: Responders

Label	Value	Freq	Percent	Cumulative Frequency	Cumulative Percent
FDNY (includes Ladder Co, Hazmat)	1	358	0.50%		
Fire Department Personnel (NON-NYC)	2	29	0.04%		
FDNY-EMS	3	43	0.06%		
Other NYC EMS	4	--	--		
EMS (NON-NYC)	5	--	--		
DMATS, Medcor, other	6	--	--		
Medical Examiners Office (Morgue attendants, Mes)	7	--	--		
NYPD (CSUs, uniformed personnel, non-uniformed personnel)	8	1103	1.54%		
Port Authority Police (PAP)	9	--	--		
Other Port Authority personnel	10	--	--		
NYS Law Enforcement (State Troopers)	11	--	--		
Federal Law Enforcement (FBI, etc.)	12	43	0.06%		
US Corps of Engineers	13	--	--		
US Corps of Engineers Contractor (EE&G)	14	--	--		
US Corps of Engineers Contractor Phillips and Jordan	15	--	--		
Volunteer Organization (Red Cross, Salvation Army, et al)	16	426	0.60%		
Volunteer (non-affiliated)	17	56	0.08%		
Coast Guard	18	50	0.07%		
National Guard	19	--	--		
Secret Service	20	--	--		
US Environmental Protection Agency	21	--	--		
FEMA or other federal agency	22	47	0.07%		
New York State Department of Environmental Services	23	--	--		
Urban Search and Rescue Teams NYS, NYC, Other	24	--	--		
NYS Agency not referred to above	25	--	--		
MTA, Transit Authority	26	--	--		
NYC DEPT OF SANITATION	27	495	0.69%		
NYC DEPT OF DESIGN AND CONSTRUCTION (DDC)	28	--	--		
NYC Agency not referred to above	29	38	0.05%		
Utility Companies (phone/gas/cable/water/electric)	30	--	--		
Construction Companies (steel workers, engineers, transport, debris removal, grappler and excavator, demolition, etc.)	31	99	0.14%		
Dust control company	32	--	--		
Pest control company	33	--	--		
Clergy	34	--	--		
Other (SPECIFY)	35	803	1.12%	3720	5.21%
DON'T KNOW	-1	19	0.03%	3739	5.23%
REFUSED TO ANSWER	-2	3	0.00%	3742	5.24%
[VALID MISSING]	-9	67694	94.76%	71436	100.00%
[INVALID MISSING]					
TOTAL				71437	100.00%

Variable: worker_cat_sisp

Description: Organization worked for at Staten Island - Specify

Stem: What organization did [you/SUBJECT] work for at the World Trade Center Recovery Operation on Staten Island?

Type: Text

Applies To: Staten Island workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		800	1.12%	800	1.12%
DON'T KNOW	-1	0	0.00%	800	1.12%
REFUSED TO ANSWER	-2	0	0.00%	800	1.12%
[VALID MISSING]	-9	70634	98.88%	71434	100.00%
[INVALID MISSING]	-3	3	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: firstdate_work_barge

Description: First date working on barge

Stem: What was [your/SUBJECT's] first day working on a barge?

Type: Text

Applies To: Barge workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/12/2001		80	0.11%	80	0.11%
09/13/2001 - 09/17/2001		142	0.20%	222	0.31%
09/18/2001 - 12/31/2001		183	0.26%	405	0.57%
01/01/2002 and later		31	0.04%	436	0.61%
09/2001		9	0.01%	445	0.62%
10/2001 - 12/2001		6	0.01%	451	0.63%
DON'T KNOW	-1	146	0.20%	597	0.84%
REFUSED TO ANSWER	-2	5	0.01%	602	0.84%
[VALID MISSING]	-9	70835	99.16%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: lastdate_work_barge

Description: Last date working on barge

Stem: What was [your/SUBJECT's] last day working on a barge?

Type: Text

Applies To: Barge workers

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
09/12/2001		6	0.01%	6	0.01%
09/13/2001 - 09/17/2001		33	0.05%	39	0.05%
09/18/2001 - 12/31/2001		162	0.23%	201	0.28%
01/01/2002 and later		184	0.26%	385	0.54%
09/2001		4	0.01%	389	0.54%
10/2001 - 12/2001		4	0.01%	393	0.55%
DON'T KNOW	-1	58	0.08%	451	0.63%
REFUSED TO ANSWER	-2	0	0.00%	451	0.63%
[VALID MISSING]	-9	70835	99.16%	71286	99.79%
[INVALID MISSING]	-3	151	0.21%	71437	100.00%
TOTAL				71437	100.00%
	-3	1	0.00%	71437	

Variable: resp_barge_sep12
Description: How often subject wore mask on barge 9/12/01
Stem: On September 12th, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: Barge workers who worked on 9/12/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	12	0.02%	12	0.02%
most of the time,	2	15	0.02%	27	0.04%
some of the time, or	3	22	0.03%	49	0.07%
not at all?	4	40	0.06%	89	0.12%
DON'T KNOW	-1	0	0.00%	89	0.12%
REFUSED TO ANSWER	-2	0	0.00%	89	0.12%
[VALID MISSING]	-9	71348	99.88%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_barge_sep13-17
Description: Number of days worked on barge 9/13/01 - 9/17/01
Stem: How many days did [you/SUBJECT] work on a barge site from September 13th to September 17th, 2001?
Type: Radio
Applies To: Barge workers who worked any day between 9/13/01 and 9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	15	0.02%	15	0.02%
1 DAY	2	45	0.06%	60	0.08%
2 DAYS	3	21	0.03%	81	0.11%
3 DAYS	4	21	0.03%	102	0.14%
4 DAYS	5	31	0.04%	133	0.19%
5 DAYS	6	10	0.01%	143	0.20%
EVERY DAY	7	64	0.09%	207	0.29%
DON'T KNOW	-1	17	0.02%	224	0.31%
REFUSED TO ANSWER	-2	1	0.00%	225	0.31%
[VALID MISSING]	-9	71212	99.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_barge_sep13-17
Description: How often subject wore mask on barge 9/13/01 - 9/17/01
Stem: From September 13th to September 17th, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: Barge workers who worked any day between 9/13/01 and 9/17/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	23	0.03%	23	0.03%
most of the time,	2	36	0.05%	59	0.08%
some of the time, or	3	56	0.08%	115	0.16%
not at all?	4	76	0.11%	191	0.27%
DON'T KNOW	-1	1	0.00%	192	0.27%
REFUSED TO ANSWER	-2	0	0.00%	192	0.27%
[VALID MISSING]	-9	71245	99.73%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_barge_sep18dec31
Description: Number of days worked on barge 9/17/01 - 12/31/01
Stem: How many days did [you/SUBJECT] work (on a barge) from September 18th to December 31st, 2001?
Type: Radio
Applies To: Barge workers who worked any day between 9/18/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	15	0.02%	15	0.02%
1 TO 2 DAYS	2	44	0.06%	59	0.08%
3 TO 6 DAYS	3	39	0.05%	98	0.14%
7 TO 30 DAYS	4	84	0.12%	182	0.25%
31 TO 60 DAYS	5	56	0.08%	238	0.33%
MORE THAN 60 DAYS	6	130	0.18%	368	0.52%
DON'T KNOW	-1	13	0.02%	381	0.53%
REFUSED TO ANSWER	-2	0	0.00%	381	0.53%
[VALID MISSING]	-9	71056	99.47%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_barge_sep18dec31
Description: How often subject wore mask on barge 9/18/01 - 12/31/01
Stem: From September 18th to December 31st, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: Barge workers who worked any day between 9/18/01 and 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	37	0.05%	37	0.05%
most of the time,	2	72	0.10%	109	0.15%
some of the time, or	3	151	0.21%	260	0.36%
not at all?	4	92	0.13%	352	0.49%
DON'T KNOW	-1	0	0.00%	352	0.49%
REFUSED TO ANSWER	-2	1	0.00%	353	0.49%
[VALID MISSING]	-9	71084	99.51%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayswork_barge_jan1
Description: Number of days worked on barge after 12/31/01
Stem: How many days did [you/SUBJECT] work (on a barge) after December 31st, 2001?
Type: Radio
Applies To: Barge workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS	1	11	0.02%	11	0.02%
1 TO 2 DAYS	2	9	0.01%	20	0.03%
3 TO 6 DAYS	3	8	0.01%	28	0.04%
7 TO 30 DAYS	4	54	0.08%	82	0.11%
31 TO 60 DAYS	5	29	0.04%	111	0.16%
MORE THAN 60 DAYS	6	120	0.17%	231	0.32%
DON'T KNOW	-1	11	0.02%	242	0.34%
REFUSED TO ANSWER	-2	0	0.00%	242	0.34%
[VALID MISSING]	-9	71195	99.66%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resp_barge_jan1
Description: How often subject wore mask on barge after 12/31/01
Stem: After December 31st, 2001, did [you/SUBJECT] wear a mask . . .
Type: Radio
Applies To: Barge workers who worked any day after 12/31/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
all of the time,	1	39	0.05%	39	0.05%
most of the time,	2	64	0.09%	103	0.14%
some of the time, or	3	76	0.11%	179	0.25%
not at all?	4	40	0.06%	219	0.31%
DON'T KNOW	-1	0	0.00%	219	0.31%
REFUSED TO ANSWER	-2	1	0.00%	220	0.31%
[VALID MISSING]	-9	71217	99.69%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: evacres_911
Description: Did subject evacuate home as result of WTC
Stem: As a result of the World Trade Center disaster, did [you/SUBJECT] have to leave [your/his/her] home?
Type: Radio
Applies To: Residents

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	8849	12.39%	8849	12.39%
NO	2	5696	7.97%	14545	20.36%
DON'T KNOW	-1	14	0.02%	14559	20.38%
REFUSED TO ANSWER	-2	1	0.00%	14560	20.38%
[VALID MISSING]	-9	56875	79.62%	71435	100.00%
[INVALID MISSING]	-3	2	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resret_home
Description: Did subject ever return home
Stem: Did [you/SUBJECT] ever return to live in [your/his/her] home after [you/he/she] left?
Type: Radio
Applies To: Residents who had to leave their homes

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	8069	11.30%	8069	11.30%
NO	2	777	1.09%	8846	12.38%
DON'T KNOW	-1	2	0.00%	8848	12.39%
REFUSED TO ANSWER	-2	1	0.00%	8849	12.39%
[VALID MISSING]	-9	62588	87.61%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resret_date
Description: Date returned home
Stem: What date did [you/SUBJECT] go back home to live?
Type: Text
Applies To: Residents who returned to live in their homes

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		4676	6.55%	4676	6.55%
DON'T KNOW	-1	93	0.13%	4769	6.68%
REFUSED TO ANSWER	-2	2	0.00%	4771	6.68%
[VALID MISSING]	-9	66666	93.32%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resret_date_estnum
Description: Estimated date returned home - number
Stem: What date did [you/SUBJECT] go back home to live?
Type: Text
Applies To: Residents who returned to live in their homes but could not report the date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0.5 DAYS		2	0.00%	2	0.00%
1 DAYS		27	0.04%	29	0.04%
2 DAYS		80	0.11%	109	0.15%
3 DAYS		91	0.13%	200	0.28%
4 DAYS		72	0.10%	272	0.38%
5 DAYS		73	0.10%	345	0.48%
6 DAYS		37	0.05%	382	0.53%
7 DAYS		35	0.05%	417	0.58%
8 DAYS		28	0.04%	445	0.62%
9 DAYS		9	0.01%	454	0.64%
10 DAYS		149	0.21%	603	0.84%
11 DAYS		24	0.03%	627	0.88%
12 DAYS		24	0.03%	651	0.91%
13 DAYS		7	0.01%	658	0.92%
14 DAYS		8	0.01%	666	0.93%
15 DAYS		17	0.02%	683	0.96%
16 DAYS		1	0.00%	684	0.96%
17 DAYS		8	0.01%	692	0.97%
18 DAYS		7	0.01%	699	0.98%
19 DAYS		5	0.01%	704	0.99%
20 DAYS		8	0.01%	712	1.00%
21 DAYS		6	0.01%	718	1.01%
23 DAYS		1	0.00%	719	1.01%
24 DAYS		4	0.01%	723	1.01%
25 DAYS		3	0.00%	726	1.02%
27 DAYS		1	0.00%	727	1.02%
28 DAYS		1	0.00%	728	1.02%
30 DAYS		6	0.01%	734	1.03%
31 DAYS		1	0.00%	735	1.03%
32 DAYS		3	0.00%	738	1.03%
35 DAYS		1	0.00%	739	1.03%
40 DAYS		3	0.00%	742	1.04%
45 DAYS		4	0.01%	746	1.04%
60 DAYS		5	0.01%	751	1.05%
80 DAYS		1	0.00%	752	1.05%
90 DAYS		1	0.00%	753	1.05%
100 DAYS		2	0.00%	755	1.06%
800 DAYS		1	0.00%	756	1.06%
1 WEEKS		346	0.48%	1102	1.54%
1.5 WEEKS		19	0.03%	1121	1.57%
2 WEEKS		625	0.87%	1746	2.44%
2.5 WEEKS		22	0.03%	1768	2.47%
3 WEEKS		444	0.62%	2212	3.10%
3.5 WEEKS		16	0.02%	2228	3.12%
4 WEEKS		83	0.12%	2311	3.24%
5 WEEKS		75	0.10%	2386	3.34%
5.5 WEEKS		2	0.00%	2388	3.34%
6 WEEKS		163	0.23%	2551	3.57%
6.5 WEEKS		4	0.01%	2555	3.58%
7 WEEKS		33	0.05%	2588	3.62%
8 WEEKS		23	0.03%	2611	3.65%
9 WEEKS		4	0.01%	2615	3.66%
10 WEEKS		12	0.02%	2627	3.68%
11 WEEKS		3	0.00%	2630	3.68%
12 WEEKS		3	0.00%	2633	3.69%
13 WEEKS		2	0.00%	2635	3.69%
14 WEEKS		1	0.00%	2636	3.69%
15 WEEKS		1	0.00%	2637	3.69%
16 WEEKS		2	0.00%	2639	3.69%
22 WEEKS		1	0.00%	2640	3.70%
1 MONTHS		268	0.38%	2908	4.07%
1.5 MONTHS		10	0.01%	2918	4.08%
2 MONTHS		159	0.22%	3077	4.31%
2.05 MONTHS		1	0.00%	3078	4.31%
2.2 MONTHS		1	0.00%	3079	4.31%
2.5 MONTHS		9	0.01%	3088	4.32%
3 MONTHS		96	0.13%	3184	4.46%
3.5 MONTHS		2	0.00%	3186	4.46%
4 MONTHS		43	0.06%	3229	4.52%
4.5 MONTHS		2	0.00%	3231	4.52%
5 MONTHS		16	0.02%	3247	4.55%
6 MONTHS		20	0.03%	3267	4.57%
6.5 MONTHS		1	0.00%	3268	4.57%
7 MONTHS		4	0.01%	3272	4.58%
8 MONTHS		3	0.00%	3275	4.58%
9 MONTHS		12	0.02%	3287	4.60%
10 MONTHS		2	0.00%	3289	4.60%
11 MONTHS		2	0.00%	3291	4.61%
12 MONTHS		4	0.01%	3295	4.61%
15 MONTHS		2	0.00%	3297	4.62%
18 MONTHS		1	0.00%	3298	4.62%
27 MONTHS		1	0.00%	3299	4.62%
32 MONTHS		1	0.00%	3300	4.62%
DON'T KNOW	-1	93	0.13%	3393	4.75%
REFUSED TO ANSWER	-2	2	0.00%	3395	4.75%
[VALID MISSING]	-9	68042	95.25%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayshome_days
Description: Nights slept in home 9/11/01 - 12/31/01
Stem: From September 11th, 2001 to December 31st, 2001, how many nights did [you/SUBJECT] sleep in [your/his/her] home?
Type: Text
Applies To: Residents who returned to their homes before 1/1/02

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		3738	5.23%	3738	5.23%
DON'T KNOW	-1	185	0.26%	3923	5.49%
REFUSED TO ANSWER	-2	10	0.01%	3933	5.51%
[VALID MISSING]	-9	67504	94.49%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayshome_weeks

Description: Nights slept in home 9/11/01 - 12/31/01 - estimated weeks

Stem: From September 11th, 2001 to December 31st, 2001, how many nights did [you/SUBJECT] sleep in [your/his/her] home?

Type: Text

Applies To: Residents who had to leave their homes but could not report the exact number of days

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		1531	2.14%	1531	2.14%
DON'T KNOW	-1	185	0.26%	1716	2.40%
REFUSED TO ANSWER	-2	10	0.01%	1726	2.42%
[VALID MISSING]	-9	69711	97.58%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: dayshome_months

Description: Nights slept in home 9/11/01 - 12/31/01 - estimated months

Stem: From September 11th, 2001 to December 31st, 2001, how many nights did [you/SUBJECT] sleep in [your/his/her] home?

Type: Text

Applies To: Residents who had to leave their homes but could not report the exact number of days

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		3058	4.28%	3058	4.28%
DON'T KNOW	-1	185	0.26%	3243	4.54%
REFUSED TO ANSWER	-2	10	0.01%	3253	4.55%
[VALID MISSING]	-9	68184	95.45%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resclean_date

Description: Date first cleaned home after 9/11

Stem: The next questions are about cleaning your home after 9/11. When did [you/SUBJECT] first attempt to clean your home after 9/11?

Type: Text

Applies To: Residents who returned to their homes

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		4642	6.50%	4642	6.50%
DON'T KNOW	-1	383	0.54%	5025	7.03%
REFUSED TO ANSWER	-2	14	0.02%	5039	7.05%
[VALID MISSING]	-9	66398	92.95%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: resclean_date_estnum

Description: Date first cleaned home after 9/11 - estimated number

Stem: The next questions are about cleaning [your/SUBJECT's] home after 9/11. When did [you/SUBJECT] first attempt to clean [your/his/her] home after 9/11?

Type: Text

Applies To: Residents who cleaned their hom who could not report the exact date

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 DAYS		12	0.02%	12	0.02%
1 DAYS		373	0.52%	385	0.54%
2 DAYS		295	0.41%	680	0.95%
3 DAYS		238	0.33%	918	1.29%
4 DAYS		120	0.17%	1038	1.45%
4.5 DAYS		1	0.00%	1039	1.45%
5 DAYS		98	0.14%	1137	1.59%
6 DAYS		22	0.03%	1159	1.62%
7 DAYS		43	0.06%	1202	1.68%
8 DAYS		18	0.03%	1220	1.71%
9 DAYS		14	0.02%	1234	1.73%
10 DAYS		126	0.18%	1360	1.90%
11 DAYS		11	0.02%	1371	1.92%
12 DAYS		17	0.02%	1388	1.94%
13 DAYS		4	0.01%	1392	1.95%
14 DAYS		9	0.01%	1401	1.96%
15 DAYS		17	0.02%	1418	1.98%
17 DAYS		5	0.01%	1423	1.99%
18 DAYS		5	0.01%	1428	2.00%
19 DAYS		2	0.00%	1430	2.00%
20 DAYS		6	0.01%	1436	2.01%
21 DAYS		2	0.00%	1438	2.01%
23 DAYS		1	0.00%	1439	2.01%
24 DAYS		1	0.00%	1440	2.02%
25 DAYS		3	0.00%	1443	2.02%
28 DAYS		2	0.00%	1445	2.02%
30 DAYS		9	0.01%	1454	2.04%
31 DAYS		1	0.00%	1455	2.04%
32 DAYS		3	0.00%	1458	2.04%
33 DAYS		1	0.00%	1459	2.04%
35 DAYS		2	0.00%	1461	2.05%
40 DAYS		2	0.00%	1463	2.05%
45 DAYS		5	0.01%	1468	2.05%
50 DAYS		1	0.00%	1469	2.06%
60 DAYS		6	0.01%	1475	2.06%
90 DAYS		1	0.00%	1476	2.07%
95 DAYS		1	0.00%	1477	2.07%
100 DAYS		2	0.00%	1479	2.07%
1 WEEKS		790	1.11%	2269	3.18%
1.5 WEEKS		22	0.03%	2291	3.21%
2 WEEKS		681	0.95%	2972	4.16%
2.5 WEEKS		17	0.02%	2989	4.18%
3 WEEKS		396	0.55%	3385	4.74%
3.5 WEEKS		4	0.01%	3389	4.74%
4 WEEKS		69	0.10%	3458	4.84%
5 WEEKS		32	0.04%	3490	4.89%
6 WEEKS		79	0.11%	3569	5.00%
6.5 WEEKS		1	0.00%	3570	5.00%
7 WEEKS		16	0.02%	3586	5.02%
8 WEEKS		8	0.01%	3594	5.03%
9 WEEKS		1	0.00%	3595	5.03%
10 WEEKS		4	0.01%	3599	5.04%
12 WEEKS		4	0.01%	3603	5.04%
1 MONTHS		288	0.40%	3891	5.45%
1.5 MONTHS		12	0.02%	3903	5.46%
2 MONTHS		130	0.18%	4033	5.65%
2.5 MONTHS		4	0.01%	4037	5.65%
3 MONTHS		59	0.08%	4096	5.73%
3.5 MONTHS		1	0.00%	4097	5.74%
4 MONTHS		26	0.04%	4123	5.77%
5 MONTHS		10	0.01%	4133	5.79%
6 MONTHS		33	0.05%	4166	5.83%
7 MONTHS		3	0.00%	4169	5.84%
8 MONTHS		3	0.00%	4172	5.84%
9 MONTHS		3	0.00%	4175	5.84%

	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
10 MONTHS		2	0.00%	4177	5.85%
11 MONTHS		2	0.00%	4179	5.85%
12 MONTHS		8	0.01%	4187	5.86%
13 MONTHS		1	0.00%	4188	5.86%
14 MONTHS		2	0.00%	4190	5.87%
20 MONTHS		2	0.00%	4192	5.87%
DON'T KNOW	-1	383	0.54%	4575	6.40%
REFUSED TO ANSWER	-2	14	0.02%	4589	6.42%
[VALID MISSING]	-9	66848	93.58%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: mop
Description: How was home cleaned after 9/11
Stem: How did [you/SUBJECT] clean [your/his/her] home during the first cleaning(s) after 9/11? Did [you/he/she] use . . .
Type: Checkbox
Applies To: Residents who cleaned their home after 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
damp cloth/wet mop/damp sponge	1	7070	8.71%	7070	8.71%
vacuum with HEPA filter	2	2027	2.50%	9097	11.20%
vacuum without HEPA filter	3	3958	4.88%	13055	16.08%
dusted/swept without water	4	4084	5.03%	17139	21.11%
OTHER	5	1104	1.36%	18243	22.47%
DID NOT CLEAN	6	502	0.62%	18745	23.09%
DON'T KNOW	-1	237	0.29%	18982	23.38%
REFUSED TO ANSWER	-2	4	0.00%	18986	23.39%
[VALID MISSING]	-9	62202	76.61%	81188	100.00%
[INVALID MISSING]	-3	0	0.00%	81188	100.00%
TOTAL				81188	100.00%

Variable: houshold
Description: Number of people living in home 9/11/01
Stem: How many people, including [yourself/SUBJECT], lived in [your/his/her] home on September 11th, 2001?
Type: Text
Applies To: Residents

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		13422	18.79%	13422	18.79%
DON'T KNOW	-1	26	0.04%	13448	18.82%
REFUSED TO ANSWER	-2	27	0.04%	13475	18.86%
[VALID MISSING]	-9	57960	81.13%	71435	100.00%
[INVALID MISSING]	-3	2	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: hhroster
Description: List of people living in home 9/11/01
Stem: Please tell me the name, age, date of birth, and sex of each person living in [your/SUBJECT's] household on September 11th, 2001, not including [yourself/SUBJECT]. Start with the oldest person and work down in age.
Type: Text
Applies To: Residents with more than 1 household member

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		10401	14.56%	10401	14.56%
DON'T KNOW	-1	0	0.00%	10401	14.56%
REFUSED TO ANSWER	-2	0	0.00%	10401	14.56%
[VALID MISSING]	-9	61036	85.44%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_cut
Description: Did subject have cut/abrasion/puncture wound as result of WTC attack
Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4874	6.82%	4874	6.82%
NO	2	66188	92.65%	71062	99.48%
DON'T KNOW	-1	209	0.29%	71271	99.77%
REFUSED TO ANSWER	-2	6	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_eye
Description: Did subject have eye injury/irritation as result of WTC attack
Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	24161	33.82%	24161	33.82%
NO	2	46783	65.49%	70944	99.31%
DON'T KNOW	-1	325	0.45%	71269	99.76%
REFUSED TO ANSWER	-2	8	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_sprain

Description: Did subject have sprain or strain as result of WTC attack

Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5278	7.39%	5278	7.39%
NO	2	65696	91.96%	70974	99.35%
DON'T KNOW	-1	297	0.42%	71271	99.77%
REFUSED TO ANSWER	-2	6	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_burn

Description: Did subject have burn as result of WTC attack

Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1208	1.69%	1208	1.69%
NO	2	70001	97.99%	71209	99.68%
DON'T KNOW	-1	61	0.09%	71270	99.77%
REFUSED TO ANSWER	-2	7	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_brokenbone

Description: Did subject have fracture or dislocation as result of WTC attack

Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	579	0.81%	579	0.81%
NO	2	70653	98.90%	71232	99.71%
DON'T KNOW	-1	37	0.05%	71269	99.76%
REFUSED TO ANSWER	-2	8	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_concussion

Description: Did subject have head injury as result of WTC attack

Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	444	0.62%	444	0.62%
NO	2	70765	99.06%	71209	99.68%
DON'T KNOW	-1	61	0.09%	71270	99.77%
REFUSED TO ANSWER	-2	7	0.01%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: injury_other

Description: Did subject have other type of injury as result of WTC attack

Stem: The next questions are about your health since 9/11. We'd like to find out about symptoms you may have had after 9/11, as well as symptoms you had before 9/11 that have gotten worse since then. On 9/11, did (you/SUBJECT) have any of the following injuries as a result of the World Trade Center terrorist attack?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5204	7.28%	5204	7.28%
NO	2	65987	92.37%	71191	99.66%
DON'T KNOW	-1	73	0.10%	71264	99.76%
REFUSED TO ANSWER	-2	13	0.02%	71277	99.78%
[VALID MISSING]	-9	160	0.22%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: wheezing

Description: Since 9/11 has subject had symptom - wheezing

Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	27714	38.80%	27714	38.80%
NO	2	42637	59.68%	70351	98.48%
DON'T KNOW	-1	853	1.19%	71204	99.67%
REFUSED TO ANSWER	-2	23	0.03%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: shortness_breath
Description: Since 9/11 has subject had symptom - shortness of breath
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	30857	43.19%	30857	43.19%
NO	2	39876	55.82%	70733	99.01%
DON'T KNOW	-1	475	0.66%	71208	99.68%
REFUSED TO ANSWER	-2	19	0.03%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: cough
Description: Since 9/11 has subject had symptom - persistent cough
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	26357	36.90%	26357	36.90%
NO	2	44443	62.21%	70800	99.11%
DON'T KNOW	-1	405	0.57%	71205	99.68%
REFUSED TO ANSWER	-2	22	0.03%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: sinus
Description: Since 9/11 has subject had symptom - sinus problems
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	36560	51.18%	36560	51.18%
NO	2	34145	47.80%	70705	98.98%
DON'T KNOW	-1	505	0.71%	71210	99.68%
REFUSED TO ANSWER	-2	17	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: eye_irritation
Description: Since 9/11 has subject had symptom - eye irritation
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	24435	34.20%	24435	34.20%
NO	2	46408	64.96%	70843	99.17%
DON'T KNOW	-1	372	0.52%	71215	99.69%
REFUSED TO ANSWER	-2	12	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: throat_irritation
Description: Since 9/11 has subject had symptom - throat irritation
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	28154	39.41%	28154	39.41%
NO	2	42672	59.73%	70826	99.14%
DON'T KNOW	-1	384	0.54%	71210	99.68%
REFUSED TO ANSWER	-2	17	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: skin_rash
Description: Since 9/11 has subject had symptom - rash
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	10791	15.11%	10791	15.11%
NO	2	60067	84.08%	70858	99.19%
DON'T KNOW	-1	355	0.50%	71213	99.69%
REFUSED TO ANSWER	-2	14	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: hearing_prob
Description: Since 9/11 has subject had symptom - hearing problem
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	6944	9.72%	6944	9.72%
NO	2	63592	89.02%	70536	98.74%
DON'T KNOW	-1	676	0.95%	71212	99.69%
REFUSED TO ANSWER	-2	15	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: headache
Description: Since 9/11 has subject had symptom - frequent severe headaches
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	15834	22.16%	15834	22.16%
NO	2	54985	76.97%	70819	99.13%
DON'T KNOW	-1	391	0.55%	71210	99.68%
REFUSED TO ANSWER	-2	17	0.02%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: heartburn
Description: Since 9/11 has subject had symptom - heartburn, indigestion or reflux
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	21355	29.89%	21355	29.89%
NO	2	49460	69.24%	70815	99.13%
DON'T KNOW	-1	393	0.55%	71208	99.68%
REFUSED TO ANSWER	-2	19	0.03%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: depression
Description: Since 9/11 has subject had symptom - depression, anxiety or emotional problem
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	36023	50.43%	36023	50.43%
NO	2	34512	48.31%	70535	98.74%
DON'T KNOW	-1	599	0.84%	71134	99.58%
REFUSED TO ANSWER	-2	93	0.13%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: other
Description: Since 9/11 has subject had symptom - other
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	12117	16.96%	12117	16.96%
NO	2	58876	82.42%	70993	99.38%
DON'T KNOW	-1	212	0.30%	71205	99.68%
REFUSED TO ANSWER	-2	22	0.03%	71227	99.71%
[VALID MISSING]	-9	165	0.23%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: other_sp
Description: Since 9/11 has subject had symptom - specify other
Stem: Since 9/11, have [you/SUBJECT] had any of the following symptoms?
Type: Text
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		12117	16.96%	12117	16.96%
DON'T KNOW	-1	0	0.00%	12117	16.96%
REFUSED TO ANSWER	-2	0	0.00%	12117	16.96%
[VALID MISSING]	-9	59275	82.98%	71392	99.94%
[INVALID MISSING]	-3	45	0.06%	71437	100.00%
TOTAL				71437	100.00%

Variable: wheeze_ever
Description: Did subject have wheezing before 9/11
Stem: Before 9/11, did [you/SUBJECT] have wheezing?
Type: Radio
Applies To: Registrants who had wheezing since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4849	6.79%	4849	6.79%
NO	2	22726	31.81%	27575	38.60%
DON'T KNOW	-1	131	0.18%	27706	38.78%
REFUSED TO ANSWER	-2	3	0.00%	27709	38.79%
[VALID MISSING]	-9	43650	61.10%	71359	99.89%
[INVALID MISSING]	-3	78	0.11%	71437	100.00%
TOTAL				71437	100.00%

Variable: wheeze_after
Description: Did wheezing get worse after 9/11
Stem: Did [your/SUBJECT's] wheezing get worse after 9/11?
Type: Radio
Applies To: Registrants who had wheezing before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3480	4.87%	3480	4.87%
NO	2	1173	1.64%	4653	6.51%
DON'T KNOW	-1	195	0.27%	4848	6.79%
REFUSED TO ANSWER	-2	1	0.00%	4849	6.79%
[VALID MISSING]	-9	66510	93.10%	71359	99.89%
[INVALID MISSING]	-3	78	0.11%	71437	100.00%
TOTAL				71437	100.00%

Variable: brthless_ever
Description: Did subject have shortness of breath before 9/11
Stem: Before 9/11, did [you/SUBJECT] have shortness of breath?
Type: Radio
Applies To: Registrants who had shortness of breath since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4305	6.03%	4305	6.03%
NO	2	26346	36.88%	30651	42.91%
DON'T KNOW	-1	194	0.27%	30845	43.18%
REFUSED TO ANSWER	-2	4	0.01%	30849	43.18%
[VALID MISSING]	-9	40509	56.71%	71358	99.89%
[INVALID MISSING]	-3	79	0.11%	71437	100.00%
TOTAL				71437	100.00%

Variable: brthless_after
Description: Did shortness of breath get worse after 9/11
Stem: Did [your/SUBJECT's] shortness of breath get worse after 9/11?
Type: Radio
Applies To: Registrants who had shortness of breath before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2991	4.19%	2991	4.19%
NO	2	1118	1.57%	4109	5.75%
DON'T KNOW	-1	196	0.27%	4305	6.03%
REFUSED TO ANSWER	-2	0	0.00%	4305	6.03%
[VALID MISSING]	-9	67050	93.86%	71355	99.89%
[INVALID MISSING]	-3	82	0.11%	71437	100.00%
TOTAL				71437	100.00%

Variable: cough_ever
Description: Did subject have persistent cough before 9/11
Stem: Before 9/11 did [you/SUBJECT] have a persistent cough?
Type: Radio
Applies To: Registrants who had a persistent cough since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1685	2.36%	1685	2.36%
NO	2	24553	34.37%	26238	36.73%
DON'T KNOW	-1	109	0.15%	26347	36.88%
REFUSED TO ANSWER	-2	3	0.00%	26350	36.89%
[VALID MISSING]	-9	45005	63.00%	71355	99.89%
[INVALID MISSING]	-3	82	0.11%	71437	100.00%
TOTAL				71437	100.00%

Variable: cough_after
Description: Did cough get worse after 9/11
Stem: Did [your/SUBJECT's] persistent cough get worse after 9/11?
Type: Radio
Applies To: Registrants who had a persistent cough before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1109	1.55%	1109	1.55%
NO	2	488	0.68%	1597	2.24%
DON'T KNOW	-1	88	0.12%	1685	2.36%
REFUSED TO ANSWER	-2	0	0.00%	1685	2.36%
[VALID MISSING]	-9	69668	97.52%	71353	99.88%
[INVALID MISSING]	-3	84	0.12%	71437	100.00%
TOTAL				71437	100.00%

Variable: sinus_ever
Description: Did subject have sinus problems before 9/11
Stem: Before 9/11 did [you/SUBJECT] have sinus problems, nose irritation, or post nasal irritation?
Type: Radio
Applies To: Registrants who had sinus problems since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	13810	19.33%	13810	19.33%
NO	2	22545	31.56%	36355	50.89%
DON'T KNOW	-1	192	0.27%	36547	51.16%
REFUSED TO ANSWER	-2	3	0.00%	36550	51.16%
[VALID MISSING]	-9	34801	48.72%	71351	99.88%
[INVALID MISSING]	-3	86	0.12%	71437	100.00%
TOTAL				71437	100.00%

Variable: sinus_after
Description: Did sinus problems get worse after 9/11
Stem: Did [your/SUBJECT's] sinus problems, nose irritation, or post nasal irritation get worse after 9/11?
Type: Radio
Applies To: Registrants who had sinus problems before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	9956	13.94%	9956	13.94%
NO	2	3294	4.61%	13250	18.55%
DON'T KNOW	-1	560	0.78%	13810	19.33%
REFUSED TO ANSWER	-2	0	0.00%	13810	19.33%
[VALID MISSING]	-9	57538	80.54%	71348	99.88%
[INVALID MISSING]	-3	89	0.12%	71437	100.00%
TOTAL				71437	100.00%

Variable: eye_ever
Description: Did subject have eye irritation before 9/11
Stem: Before 9/11 did [you/SUBJECT] have an eye irritation?
Type: Radio
Applies To: Registrants who had an eye irritation since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2544	3.56%	2544	3.56%
NO	2	21752	30.45%	24296	34.01%
DON'T KNOW	-1	128	0.18%	24424	34.19%
REFUSED TO ANSWER	-2	4	0.01%	24428	34.20%
[VALID MISSING]	-9	46918	65.68%	71346	99.87%
[INVALID MISSING]	-3	91	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: eye_after
Description: Did eye irritation get worse after 9/11
Stem: Did [your/SUBJECT's] eye irritation get worse after 9/11?
Type: Radio
Applies To: Registrants who had an eye irritation before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1610	2.25%	1610	2.25%
NO	2	818	1.15%	2428	3.40%
DON'T KNOW	-1	116	0.16%	2544	3.56%
REFUSED TO ANSWER	-2	0	0.00%	2544	3.56%
[VALID MISSING]	-9	68801	96.31%	71345	99.87%
[INVALID MISSING]	-3	92	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: throat_ever
Description: Did subject have throat irritation before 9/11
Stem: Before 9/11 did [you/SUBJECT] have a throat irritation?
Type: Radio
Applies To: Registrants who had a throat irritation since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3429	4.80%	3429	4.80%
NO	2	24579	34.41%	28008	39.21%
DON'T KNOW	-1	132	0.18%	28140	39.39%
REFUSED TO ANSWER	-2	3	0.00%	28143	39.40%
[VALID MISSING]	-9	43202	60.48%	71345	99.87%
[INVALID MISSING]	-3	92	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: throat_after
Description: Did throat irritation get worse after 9/11
Stem: Did [your/SUBJECT's] throat irritation get worse after 9/11?
Type: Radio
Applies To: Registrants who had a throat irritation before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2190	3.07%	2190	3.07%
NO	2	1068	1.50%	3258	4.56%
DON'T KNOW	-1	171	0.24%	3429	4.80%
REFUSED TO ANSWER	-2	0	0.00%	3429	4.80%
[VALID MISSING]	-9	67914	95.07%	71343	99.87%
[INVALID MISSING]	-3	94	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: skinrash_ever
Description: Did subject have rash before 9/11
Stem: Before 9/11 did [you/SUBJECT] have a skin rash or irritation?
Type: Radio
Applies To: Registrants who had a skin rash or irritation since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1730	2.42%	1730	2.42%
NO	2	8985	12.58%	10715	15.00%
DON'T KNOW	-1	70	0.10%	10785	15.10%
REFUSED TO ANSWER	-2	2	0.00%	10787	15.10%
[VALID MISSING]	-9	60556	84.77%	71343	99.87%
[INVALID MISSING]	-3	94	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: skinrash_after
Description: Did rash get worse after 9/11
Stem: Did [your/SUBJECT's] skin rash or irritation get worse after 9/11?
Type: Radio
Applies To: Registrants who had a skin rash or irritation before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1111	1.56%	1111	1.56%
NO	2	537	0.75%	1648	2.31%
DON'T KNOW	-1	81	0.11%	1729	2.42%
REFUSED TO ANSWER	-2	1	0.00%	1730	2.42%
[VALID MISSING]	-9	69612	97.45%	71342	99.87%
[INVALID MISSING]	-3	95	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: hear_ever
Description: Did subject have hearing problem before 9/11
Stem: Before 9/11 did [you/SUBJECT] have a hearing problem or hearing loss?
Type: Radio
Applies To: Registrants who had a hearing problem since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1554	2.18%	1554	2.18%
NO	2	5254	7.35%	6808	9.53%
DON'T KNOW	-1	124	0.17%	6932	9.70%
REFUSED TO ANSWER	-2	0	0.00%	6932	9.70%
[VALID MISSING]	-9	64410	90.16%	71342	99.87%
[INVALID MISSING]	-3	95	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: hear_after
Description: Did hearing problem get worse after 9/11
Stem: Did [your/SUBJECT's] hearing problem or hearing loss get worse after 9/11?
Type: Radio
Applies To: Registrants who had a hearing problem before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1093	1.53%	1093	1.53%
NO	2	340	0.48%	1433	2.01%
DON'T KNOW	-1	120	0.17%	1553	2.17%
REFUSED TO ANSWER	-2	1	0.00%	1554	2.18%
[VALID MISSING]	-9	69787	97.69%	71341	99.87%
[INVALID MISSING]	-3	96	0.13%	71437	100.00%
TOTAL				71437	100.00%

Variable: headache_ever
Description: Did subject have frequent severe headaches before 9/11
Stem: Before 9/11 did [you/SUBJECT] have frequent severe headaches?
Type: Radio
Applies To: Registrants who had frequent severe headaches since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2620	3.67%	2620	3.67%
NO	2	13130	18.38%	15750	22.05%
DON'T KNOW	-1	72	0.10%	15822	22.15%
REFUSED TO ANSWER	-2	0	0.00%	15822	22.15%
[VALID MISSING]	-9	55513	77.71%	71335	99.86%
[INVALID MISSING]	-3	102	0.14%	71437	100.00%
TOTAL				71437	100.00%

Variable: headache_after
Description: Did headaches get worse after 9/11
Stem: Did [your/SUBJECT's] frequent severe headaches get worse after 9/11?
Type: Radio
Applies To: Registrants who had frequent sever headaches before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1795	2.51%	1795	2.51%
NO	2	708	0.99%	2503	3.50%
DON'T KNOW	-1	122	0.17%	2625	3.67%
REFUSED TO ANSWER	-2	0	0.00%	2625	3.67%
[VALID MISSING]	-9	68713	96.19%	71338	99.86%
[INVALID MISSING]	-3	99	0.14%	71437	100.00%
TOTAL				71437	100.00%

Variable: htburn_ever
Description: Did subject have heartburn, indigestion or reflux before 9/11
Stem: Before 9/11 did [you/SUBJECT] have heartburn, indigestion, or reflux?
Type: Radio
Applies To: Registrants who had heartburn, indigestion or reflux since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	8136	11.39%	8136	11.39%
NO	2	12972	18.16%	21108	29.55%
DON'T KNOW	-1	232	0.32%	21340	29.87%
REFUSED TO ANSWER	-2	3	0.00%	21343	29.88%
[VALID MISSING]	-9	49995	69.98%	71338	99.86%
[INVALID MISSING]	-3	99	0.14%	71437	100.00%
TOTAL				71437	100.00%

Variable: htburn_after
Description: Did heartburn, indigestion, or reflux get worse after 9/11
Stem: Did [your/SUBJECT's] heartburn, indigestion, or reflux get worse after 9/11?
Type: Radio
Applies To: Registrants who had heartburn, indigestion, or reflux before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4934	6.91%	4934	6.91%
NO	2	2854	4.00%	7788	10.90%
DON'T KNOW	-1	345	0.48%	8133	11.38%
REFUSED TO ANSWER	-2	3	0.00%	8136	11.39%
[VALID MISSING]	-9	63199	88.47%	71335	99.86%
[INVALID MISSING]	-3	102	0.14%	71437	100.00%
TOTAL				71437	100.00%

Variable: depress_ever
Description: Did subject have depression, anxiety or emotional problem before 9/11
Stem: Before 9/11 did [you/SUBJECT] have depression, anxiety or any other emotional problem?
Type: Radio
Applies To: Registrants who had depression, anxiety or any other emotional problem since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	5720	8.01%	5720	8.01%
NO	2	30108	42.15%	35828	50.15%
DON'T KNOW	-1	159	0.22%	35987	50.38%
REFUSED TO ANSWER	-2	18	0.03%	36005	50.40%
[VALID MISSING]	-9	35329	49.45%	71334	99.86%
[INVALID MISSING]	-3	103	0.14%	71437	100.00%
TOTAL				71437	100.00%

Variable: depress_after
Description: Did depression, anxiety or emotional problem get worse after 9/11
Stem: Did [your/SUBJECT's] depression, anxiety, or other emotional problem get worse after 9/11?
Type: Radio
Applies To: Registrants who had depression, anxiety or any other emotional problem before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	4967	6.95%	4967	6.95%
NO	2	660	0.92%	5627	7.88%
DON'T KNOW	-1	89	0.12%	5716	8.00%
REFUSED TO ANSWER	-2	2	0.00%	5718	8.00%
[VALID MISSING]	-9	65604	91.83%	71322	99.84%
[INVALID MISSING]	-3	115	0.16%	71437	100.00%
TOTAL				71437	100.00%

Variable: othprob_ever
Description: Did subject have other problem before 9/11
Stem: Before 9/11 did [you/SUBJECT] have [FILL OTHER PROBLEM]?
Type: Radio
Applies To: Registrants who had other problems since 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1544	2.16%	1544	2.16%
NO	2	10451	14.63%	11995	16.79%
DON'T KNOW	-1	107	0.15%	12102	16.94%
REFUSED TO ANSWER	-2	4	0.01%	12106	16.95%
[VALID MISSING]	-9	59216	82.89%	71322	99.84%
[INVALID MISSING]	-3	115	0.16%	71437	100.00%
TOTAL				71437	100.00%

Variable: othprob_after
Description: Did other problem get worse after 9/11
Stem: Did [your/SUBJECT's] [FILL OTHER PROBLEM] get worse after 9/11?
Type: Radio
Applies To: Registrants who had other problems before 9/11

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1387	1.94%	1387	1.94%
NO	2	128	0.18%	1515	2.12%
DON'T KNOW	-1	28	0.04%	1543	2.16%
REFUSED TO ANSWER	-2	0	0.00%	1543	2.16%
[VALID MISSING]	-9	69773	97.67%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: asthma

Description: Was subject ever diagnosed with asthma

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Asthma?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	9976	13.96%	9976	13.96%
NO	2	61016	85.41%	70992	99.38%
DON'T KNOW	-1	134	0.19%	71126	99.56%
REFUSED TO ANSWER	-2	18	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: hypertension

Description: Was subject ever diagnosed with hypertension

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Hypertension, also called high blood pressure

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	11935	16.71%	11935	16.71%
NO	2	59058	82.67%	70993	99.38%
DON'T KNOW	-1	125	0.17%	71118	99.55%
REFUSED TO ANSWER	-2	26	0.04%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: heart_disease

Description: Was subject ever diagnosed with coronary heart disease

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Coronary heart disease

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	1484	2.08%	1484	2.08%
NO	2	69439	97.20%	70923	99.28%
DON'T KNOW	-1	200	0.28%	71123	99.56%
REFUSED TO ANSWER	-2	21	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: angina

Description: Was subject ever diagnosed with angina

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Angina, also called angina pectoris

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	947	1.33%	947	1.33%
NO	2	69605	97.44%	70552	98.76%
DON'T KNOW	-1	568	0.80%	71120	99.56%
REFUSED TO ANSWER	-2	24	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: heart_attack

Description: Was subject ever diagnosed with heart attack

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . A heart attack (also called myocardial infarction)

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	834	1.17%	834	1.17%
NO	2	70207	98.28%	71041	99.45%
DON'T KNOW	-1	85	0.12%	71126	99.56%
REFUSED TO ANSWER	-2	18	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: other_heart

Description: Was subject ever diagnosed with other heart condition

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Any other kind of heart condition or heart disease

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3874	5.42%	3874	5.42%
NO	2	67069	93.89%	70943	99.31%
DON'T KNOW	-1	175	0.24%	71118	99.55%
REFUSED TO ANSWER	-2	26	0.04%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: stroke

Description: Was subject ever diagnosed with a stroke

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . A stroke

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	538	0.75%	538	0.75%
NO	2	70540	98.74%	71078	99.50%
DON'T KNOW	-1	50	0.07%	71128	99.57%
REFUSED TO ANSWER	-2	16	0.02%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: emphysema

Description: Was subject ever diagnosed with emphysema

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Emphysema

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	475	0.66%	475	0.66%
NO	2	70432	98.59%	70907	99.26%
DON'T KNOW	-1	219	0.31%	71126	99.56%
REFUSED TO ANSWER	-2	18	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: diabetes

Description: Was subject ever diagnosed with diabetes

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Diabetes or sugar diabetes

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3193	4.47%	3193	4.47%
NO	2	67842	94.97%	71035	99.44%
DON'T KNOW	-1	88	0.12%	71123	99.56%
REFUSED TO ANSWER	-2	21	0.03%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: cancer

Description: Was subject ever diagnosed with cancer

Stem: The next questions ask about health conditions diagnosed by a doctor, that [you/SUBJECT] ever had, including before 9/11. [Have you/Has SUBJECT] ever been told by a doctor or other health professional that [you/he/she] had . . . Cancer or a malignancy of any kind

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2916	4.08%	2916	4.08%
NO	2	68097	95.32%	71013	99.41%
DON'T KNOW	-1	105	0.15%	71118	99.55%
REFUSED TO ANSWER	-2	26	0.04%	71144	99.59%
[VALID MISSING]	-9	172	0.24%	71316	99.83%
[INVALID MISSING]	-3	121	0.17%	71437	100.00%
TOTAL				71437	100.00%

Variable: asthma_before

Description: Was subject diagnosed with asthma before 9/11

Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had asthma before 9/11 or after 9/11?

Type: Radio

Applies To: Registrants who were diagnosed with asthma

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	7773	10.88%	7773	10.88%
AFTER 9/11	2	2143	3.00%	9916	13.88%
DON'T KNOW	-1	56	0.08%	9972	13.96%
REFUSED TO ANSWER	-2	3	0.00%	9975	13.96%
[VALID MISSING]	-9	61318	85.84%	71293	99.80%
[INVALID MISSING]	-3	144	0.20%	71437	100.00%
TOTAL				71437	100.00%

Variable: hypertension_before

Description: Was subject diagnosed with hypertension before 9/11

Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had hypertension, also called high blood pressure, before 9/11 or after 9/11?

Type: Radio

Applies To: Registrants who were diagnosed with hypertension

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	8596	12.03%	8596	12.03%
AFTER 9/11	2	3142	4.40%	11738	16.43%
DON'T KNOW	-1	192	0.27%	11930	16.70%
REFUSED TO ANSWER	-2	2	0.00%	11932	16.70%
[VALID MISSING]	-9	59358	83.09%	71290	99.79%
[INVALID MISSING]	-3	147	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: heart_disease_before
Description: Was subject diagnosed with coronary heart disease before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had coronary heart disease before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with coronary heart disease

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	1057	1.48%	1057	1.48%
AFTER 9/11	2	406	0.57%	1463	2.05%
DON'T KNOW	-1	17	0.02%	1480	2.07%
REFUSED TO ANSWER	-2	3	0.00%	1483	2.08%
[VALID MISSING]	-9	69806	97.72%	71289	99.79%
[INVALID MISSING]	-3	148	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: angina_before
Description: Was subject diagnosed with angina before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had angina (also called angina pectoris) before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with angina

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	635	0.89%	635	0.89%
AFTER 9/11	2	289	0.40%	924	1.29%
DON'T KNOW	-1	22	0.03%	946	1.32%
REFUSED TO ANSWER	-2	1	0.00%	947	1.33%
[VALID MISSING]	-9	70342	98.47%	71289	99.79%
[INVALID MISSING]	-3	148	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: heart_attack_before
Description: Was subject diagnosed with a heart attack before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had a heart attack (also called myocardial infarction) before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with heart attack

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	562	0.79%	562	0.79%
AFTER 9/11	2	262	0.37%	824	1.15%
DON'T KNOW	-1	9	0.01%	833	1.17%
REFUSED TO ANSWER	-2	0	0.00%	833	1.17%
[VALID MISSING]	-9	70456	98.63%	71289	99.79%
[INVALID MISSING]	-3	148	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: other_heart_before
Description: Was subject diagnosed with other heart condition before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had any other kind of heart condition or heart disease before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with any other heart condition

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	2906	4.07%	2906	4.07%
AFTER 9/11	2	925	1.29%	3831	5.36%
DON'T KNOW	-1	37	0.05%	3868	5.41%
REFUSED TO ANSWER	-2	5	0.01%	3873	5.42%
[VALID MISSING]	-9	67416	94.37%	71289	99.79%
[INVALID MISSING]	-3	148	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: stroke_before
Description: Was subject diagnosed with a stroke before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had a stroke before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with a stroke

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	320	0.45%	320	0.45%
AFTER 9/11	2	207	0.29%	527	0.74%
DON'T KNOW	-1	9	0.01%	536	0.75%
REFUSED TO ANSWER	-2	0	0.00%	536	0.75%
[VALID MISSING]	-9	70750	99.04%	71286	99.79%
[INVALID MISSING]	-3	151	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: emphysema_before
Description: Was subject diagnosed with emphysema before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had emphysema before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with emphysema

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	221	0.31%	221	0.31%
AFTER 9/11	2	244	0.34%	465	0.65%
DON'T KNOW	-1	10	0.01%	475	0.66%
REFUSED TO ANSWER	-2	0	0.00%	475	0.66%
[VALID MISSING]	-9	70811	99.12%	71286	99.79%
[INVALID MISSING]	-3	151	0.21%	71437	100.00%
TOTAL				71437	100.00%

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
LUNG	14	66	0.09%	990	1.38%
LYMPHOMA	15	126	0.18%	1116	1.56%
MELANOMA	16	233	0.33%	1349	1.89%
MOUTH/TONGUE/LIP	17	15	0.02%	1364	1.91%
OVARY	18	45	0.06%	1409	1.97%
PANCREAS	19	17	0.02%	1426	1.99%
PROSTATE	20	258	0.36%	1684	2.35%
RECTUM	21	11	0.02%	1695	2.37%
SKIN (NON-MELANOMA)	22	459	0.64%	2154	3.01%
SKIN (DON'T KNOW WHAT KIND)	23	275	0.38%	2429	3.39%
SOFT TISSUE	24	10	0.01%	2439	3.41%
STOMACH	25	10	0.01%	2449	3.42%
TESTIS	26	51	0.07%	2500	3.49%
THROAT -- PHARYNX	27	25	0.03%	2525	3.53%
THYROID	28	98	0.14%	2623	3.67%
UTERUS	29	69	0.10%	2692	3.76%
OTHER	30	284	0.40%	2976	4.16%
DON'T KNOW	-1	40	0.06%	3016	4.21%
REFUSED TO ANSWER	-2	17	0.02%	3033	4.24%
[VALID MISSING]	-9	68376	95.55%	71409	99.79%
[INVALID MISSING]	-3	152	0.21%	71561	100.00%
TOTAL				71561	100.00%

Variable: diabetes_before
Description: Was subject diagnosed with diabetes before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had diabetes or sugar diabetes before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with diabetes

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	2224	3.11%	2224	3.11%
AFTER 9/11	2	915	1.28%	3139	4.39%
DON'T KNOW	-1	52	0.07%	3191	4.47%
REFUSED TO ANSWER	-2	2	0.00%	3193	4.47%
[VALID MISSING]	-9	68093	95.32%	71286	99.79%
[INVALID MISSING]	-3	151	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: sad
Description: How often in past 30 days subject felt so sad nothing could cheer him/her up
Stem: During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel … so sad that nothing could cheer [you/SUBJECT] up?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	1284	1.80%	1284	1.80%
Most of the time	2	3787	5.30%	5071	7.10%
Some of the time	3	12814	17.94%	17885	25.04%
A little of the time	4	16656	23.32%	34541	48.35%
None of the time	5	33626	47.07%	68167	95.42%
DON'T KNOW	-1	202	0.28%	68369	95.71%
REFUSED TO ANSWER	-2	122	0.17%	68491	95.88%
[VALID MISSING]	-9	2777	3.89%	71268	99.76%
[INVALID MISSING]	-3	169	0.24%	71437	100.00%
TOTAL				71437	100.00%

Variable: cancer_before
Description: Was subject diagnosed with cancer before 9/11
Stem: Did a doctor or other health professional first tell [you/SUBJECT] that [you/he/she] had cancer or a malignancy of any kind before 9/11 or after 9/11?
Type: Radio
Applies To: Registrants who were diagnosed with cancer

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BEFORE 9/11	1	2009	2.81%	2009	2.81%
AFTER 9/11	2	900	1.26%	2909	4.07%
DON'T KNOW	-1	7	0.01%	2916	4.08%
REFUSED TO ANSWER	-2	0	0.00%	2916	4.08%
[VALID MISSING]	-9	68369	95.71%	71285	99.79%
[INVALID MISSING]	-3	152	0.21%	71437	100.00%
TOTAL				71437	100.00%

Variable: cancertype
Description: Type of cancer
Stem: What kind of cancer was it?
Type: Checkbox
Applies To: Registrants who were diagnosed with cancer

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BLADDER	1	42	0.06%	42	0.06%
BLOOD	2	7	0.01%	49	0.07%
BONE	3	22	0.03%	71	0.10%
BRAIN	4	17	0.02%	88	0.12%
BREAST	5	484	0.68%	572	0.80%
CERVIX	6	121	0.17%	693	0.97%
COLON	7	113	0.16%	806	1.13%
ESOPHAGUS	8	9	0.01%	815	1.14%
GALL BLADDER	9	2	0.00%	817	1.14%
KIDNEY	10	57	0.08%	874	1.22%
LARYNX -- WINDPIPE	11	3	0.00%	877	1.23%
LEUKEMIA	12	29	0.04%	906	1.27%
LIVER	13	18	0.03%	924	1.29%

Variable: nervous
Description: How often in past 30 days subject felt nervous
Stem: During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel nervous?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	1995	2.79%	1995	2.79%
Most of the time	2	4232	5.92%	6227	8.72%
Some of the time	3	16078	22.51%	22305	31.22%
A little of the time	4	19961	27.94%	42266	59.17%
None of the time	5	25975	36.36%	68241	95.53%
DON'T KNOW	-1	149	0.21%	68390	95.73%
REFUSED TO ANSWER	-2	92	0.13%	68482	95.86%
[VALID MISSING]	-9	2777	3.89%	71259	99.75%

				Cumulative	Cumulative
[INVALID MISSING]	-3	178	0.25%	71437	100.00%
TOTAL			71437	100.00%	

				Cumulative	Cumulative
[INVALID MISSING]	-3	217	0.30%	71437	100.00%
TOTAL			71437	100.00%	

Variable: restless
Description: How often in past 30 days subject felt restless or fidgety
Stem: (During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel) restless or fidgety?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	2632	3.68%	2632	3.68%
Most of the time	2	4759	6.66%	7391	10.35%
Some of the time	3	16812	23.53%	24203	33.88%
A little of the time	4	14984	20.98%	39187	54.86%
None of the time	5	28913	40.47%	68100	95.33%
DON'T KNOW	-1	274	0.38%	68374	95.71%
REFUSED TO ANSWER	-2	86	0.12%	68460	95.83%
[VALID MISSING]	-9	2779	3.89%	71239	99.72%
[INVALID MISSING]	-3	198	0.28%	71437	100.00%
TOTAL				71437	100.00%

Variable: worthless
Description: How often in past 30 days subject felt worthless
Stem: (During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel) worthless?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	784	1.10%	784	1.10%
Most of the time	2	1626	2.28%	2410	3.37%
Some of the time	3	5947	8.32%	8357	11.70%
A little of the time	4	5920	8.29%	14277	19.99%
None of the time	5	53796	75.31%	68073	95.29%
DON'T KNOW	-1	261	0.37%	68334	95.66%
REFUSED TO ANSWER	-2	101	0.14%	68435	95.80%
[VALID MISSING]	-9	2781	3.89%	71216	99.69%
[INVALID MISSING]	-3	221	0.31%	71437	100.00%
TOTAL				71437	100.00%

Variable: hopeless
Description: How often in past 30 days subject felt hopeless
Stem: (During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel) hopeless?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	1017	1.42%	1017	1.42%
Most of the time	2	1968	2.75%	2985	4.18%
Some of the time	3	7338	10.27%	10323	14.45%
A little of the time	4	7796	10.91%	18119	25.36%
None of the time	5	50002	69.99%	68121	95.36%
DON'T KNOW	-1	239	0.33%	68360	95.69%
REFUSED TO ANSWER	-2	95	0.13%	68455	95.83%
[VALID MISSING]	-9	2779	3.89%	71234	99.72%
[INVALID MISSING]	-3	203	0.28%	71437	100.00%
TOTAL				71437	100.00%

Variable: interfere
Description: How much did feelings in past 30 days interfere with life or activities
Stem: We just talked about a number of feelings [you/SUBJECT] had during the past 30 days, that is, since [REFERENCE DATE]. Altogether, how much did these feelings interfere with [your/SUBJECT'S] life or activities: a lot, some, a little, or not at all?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A lot	1	6158	8.62%	6158	8.62%
Some	2	10135	14.19%	16293	22.81%
A little	3	12718	17.80%	29011	40.61%
Not at all	4	7540	10.55%	36551	51.17%
DON'T KNOW	-1	99	0.14%	36650	51.30%
REFUSED TO ANSWER	-2	42	0.06%	36692	51.36%
[VALID MISSING]	-9	34484	48.27%	71176	99.63%
[INVALID MISSING]	-3	261	0.37%	71437	100.00%
TOTAL				71437	100.00%

Variable: lethargic
Description: How often in past 30 days subject felt that everything was effort
Stem: (During the past 30 days, that is, since [REFERENCE DATE] how often did [you/SUBJECT] feel) that everything was an effort?
Type: Radio
Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
All of the time	1	2795	3.91%	2795	3.91%
Most of the time	2	4745	6.64%	7540	10.55%
Some of the time	3	13208	18.49%	20748	29.04%
A little of the time	4	11190	15.66%	31938	44.71%
None of the time	5	35705	49.98%	67643	94.69%
DON'T KNOW	-1	668	0.94%	68311	95.62%
REFUSED TO ANSWER	-2	128	0.18%	68439	95.80%
[VALID MISSING]	-9	2781	3.89%	71220	99.70%

Variable: memories

Description: How much subject bothered by memories of 9/11 in past 4 weeks

Stem: I'm going to read you a list of problems and complaints that people sometimes have in response to stressful life experiences like the events of 9/11. Please tell me how much [you have/SUBJECT has] been bothered by each problem during the past 4 weeks, that is, since [REFERENCE DATE]

In the past 4 weeks, how much [have you/has SUBJECT] been bothered by repeated, disturbing memories, thoughts, or images of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	23531	32.94%	23531	32.94%
A little bit	2	26091	36.52%	49622	69.46%
Moderately	3	11497	16.09%	61119	85.56%
Quite a bit	4	5188	7.26%	66307	92.82%
Extremely	5	1843	2.58%	68150	95.40%
DON'T KNOW	-1	125	0.17%	68275	95.57%
REFUSED TO ANSWER	-2	64	0.09%	68339	95.66%
[VALID MISSING]	-9	2786	3.90%	71125	99.56%
[INVALID MISSING]	-3	312	0.44%	71437	100.00%
TOTAL				71437	100.00%

Variable: dreams

Description: How much subject bothered by dreams of 9/11 in past 4 weeks

Stem: In the past 4 weeks, how much [have you/has SUBJECT] been bothered by repeated, disturbing dreams of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	49140	68.79%	49140	68.79%
A little bit	2	11701	16.38%	60841	85.17%
Moderately	3	4333	6.07%	65174	91.23%
Quite a bit	4	2063	2.89%	67237	94.12%
Extremely	5	847	1.19%	68084	95.31%
DON'T KNOW	-1	187	0.26%	68271	95.57%
REFUSED TO ANSWER	-2	54	0.08%	68325	95.64%
[VALID MISSING]	-9	2790	3.91%	71115	99.55%
[INVALID MISSING]	-3	322	0.45%	71437	100.00%
TOTAL				71437	100.00%

Variable: relive

Description: How much subject bothered by reliving events of 9/11 in past 4 weeks

Stem: In the past 4 weeks, how much [have you/has SUBJECT] been bothered by suddenly acting or feeling as if the events of 9/11 were happening again (as if [you/SUBJECT] were reliving them)?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	44032	61.64%	44032	61.64%
A little bit	2	13637	19.09%	57669	80.73%
Moderately	3	5220	7.31%	62889	88.03%
Quite a bit	4	3397	4.76%	66286	92.79%
Extremely	5	1769	2.48%	68055	95.27%
DON'T KNOW	-1	189	0.26%	68244	95.53%
REFUSED TO ANSWER	-2	62	0.09%	68306	95.62%
[VALID MISSING]	-9	2793	3.91%	71099	99.53%
[INVALID MISSING]	-3	338	0.47%	71437	100.00%
TOTAL				71437	100.00%

Variable: upset_remind

Description: How much subject bothered by feeling upset when something reminded him/her of 9/11 in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) feeling very upset when something reminded [you/SUBJECT] of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	21689	30.36%	21689	30.36%
A little bit	2	24341	34.07%	46030	64.43%
Moderately	3	11313	15.84%	57343	80.27%
Quite a bit	4	6987	9.78%	64330	90.05%
Extremely	5	3759	5.26%	68089	95.31%
DON'T KNOW	-1	149	0.21%	68238	95.52%
REFUSED TO ANSWER	-2	52	0.07%	68290	95.59%
[VALID MISSING]	-9	2794	3.91%	71084	99.51%
[INVALID MISSING]	-3	353	0.49%	71437	100.00%
TOTAL				71437	100.00%

Variable: physical_remind

Description: How much subject bothered by physical reactions when something reminded him/her of 9/11 in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) having physical reactions (e.g., heart pounding, trouble breathing, sweating) when something reminded [you/SUBJECT] of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	41869	58.61%	41869	58.61%
A little bit	2	13991	19.59%	55860	78.19%
Moderately	3	6739	9.43%	62599	87.63%
Quite a bit	4	3641	5.10%	66240	92.73%
Extremely	5	1823	2.55%	68063	95.28%
DON'T KNOW	-1	167	0.23%	68230	95.51%
REFUSED TO ANSWER	-2	45	0.06%	68275	95.57%
[VALID MISSING]	-9	2796	3.91%	71071	99.49%
[INVALID MISSING]	-3	366	0.51%	71437	100.00%
TOTAL				71437	100.00%

Variable: avoid_think

Description: How much subject bothered by avoiding thinking about 9/11 in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) avoiding thinking about or talking about the events of 9/11 or avoiding having feelings related to it?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	33706	47.18%	33706	47.18%
A little bit	2	15462	21.64%	49168	68.83%
Moderately	3	9145	12.80%	58313	81.63%
Quite a bit	4	6034	8.45%	64347	90.08%
Extremely	5	3531	4.94%	67878	95.02%
DON'T KNOW	-1	282	0.39%	68160	95.41%
REFUSED TO ANSWER	-2	90	0.13%	68250	95.54%
[VALID MISSING]	-9	2798	3.92%	71048	99.46%
[INVALID MISSING]	-3	389	0.54%	71437	100.00%
TOTAL				71437	100.00%

Variable: avoid_activities

Description: How much subject bothered by avoiding activities because they remind him/her of 9/11 in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) avoiding activities or situations because they reminded [you/SUBJECT] of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	43114	60.35%	43114	60.35%
A little bit	2	11062	15.48%	54176	75.84%
Moderately	3	6328	8.86%	60504	84.70%
Quite a bit	4	4593	6.43%	65097	91.13%
Extremely	5	2845	3.98%	67942	95.11%
DON'T KNOW	-1	213	0.30%	68155	95.41%
REFUSED TO ANSWER	-2	70	0.10%	68225	95.50%
[VALID MISSING]	-9	2801	3.92%	71026	99.42%
[INVALID MISSING]	-3	411	0.58%	71437	100.00%
TOTAL				71437	100.00%

Variable: trouble_remember

Description: How much subject bothered by trouble remembering events of 9/11 in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) trouble remembering important parts of the events of 9/11?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	51730	72.41%	51730	72.41%
A little bit	2	8166	11.43%	59896	83.84%
Moderately	3	4311	6.03%	64207	89.88%
Quite a bit	4	2364	3.31%	66571	93.19%
Extremely	5	1320	1.85%	67891	95.04%
DON'T KNOW	-1	250	0.35%	68141	95.39%
REFUSED TO ANSWER	-2	59	0.08%	68200	95.47%
[VALID MISSING]	-9	2804	3.93%	71004	99.39%
[INVALID MISSING]	-3	433	0.61%	71437	100.00%
TOTAL				71437	100.00%

Variable: loss_interest

Description: How much subject bothered by loss of interest in activities in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Loss of interest in activities that [you/SUBJECT] used to enjoy?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	44563	62.38%	44563	62.38%
A little bit	2	10978	15.37%	55541	77.75%
Moderately	3	5905	8.27%	61446	86.01%
Quite a bit	4	4103	5.74%	65549	91.76%
Extremely	5	2426	3.40%	67975	95.15%
DON'T KNOW	-1	147	0.21%	68122	95.36%
REFUSED TO ANSWER	-2	58	0.08%	68180	95.44%
[VALID MISSING]	-9	2805	3.93%	70985	99.37%
[INVALID MISSING]	-3	452	0.63%	71437	100.00%
TOTAL				71437	100.00%

Variable: feel_distant

Description: How much subject bothered by feeling distant or cut off in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Feeling distant or cut off from other people?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	44317	62.04%	44317	62.04%
A little bit	2	11886	16.64%	56203	78.67%
Moderately	3	5961	8.34%	62164	87.02%
Quite a bit	4	3789	5.30%	65953	92.32%
Extremely	5	2031	2.84%	67984	95.17%
DON'T KNOW	-1	125	0.17%	68109	95.34%
REFUSED TO ANSWER	-2	60	0.08%	68169	95.43%
[VALID MISSING]	-9	2805	3.93%	70974	99.35%
[INVALID MISSING]	-3	463	0.65%	71437	100.00%
TOTAL				71437	100.00%

Variable: feel_numb

Description: How much subject bothered by feeling emotionally numb in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Feeling emotionally numb or being unable to have loving feelings for those close to [you/SUBJECT]?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	50640	70.89%	50640	70.89%
A little bit	2	8769	12.28%	59409	83.16%
Moderately	3	4553	6.37%	63962	89.54%
Quite a bit	4	2469	3.46%	66431	92.99%
Extremely	5	1443	2.02%	67874	95.01%
DON'T KNOW	-1	199	0.28%	68073	95.29%
REFUSED TO ANSWER	-2	86	0.12%	68159	95.41%
[VALID MISSING]	-9	2805	3.93%	70964	99.34%
[INVALID MISSING]	-3	473	0.66%	71437	100.00%
TOTAL				71437	100.00%

Variable: cut_short

Description: How much subject bothered by feeling as if future cut short in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Feeling as if your future somehow will be cut short?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	37321	52.24%	37321	52.24%
A little bit	2	13854	19.39%	51175	71.64%
Moderately	3	7636	10.69%	58811	82.33%
Quite a bit	4	5107	7.15%	63918	89.47%
Extremely	5	3739	5.23%	67657	94.71%
DON'T KNOW	-1	398	0.56%	68055	95.27%
REFUSED TO ANSWER	-2	92	0.13%	68147	95.39%
[VALID MISSING]	-9	2806	3.93%	70953	99.32%
[INVALID MISSING]	-3	484	0.68%	71437	100.00%
TOTAL				71437	100.00%

Variable: trouble_sleep

Description: How much subject bothered by trouble falling or staying asleep in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Trouble falling or staying asleep?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	33802	47.32%	33802	47.32%
A little bit	2	13267	18.57%	47069	65.89%
Moderately	3	9068	12.69%	56137	78.58%
Quite a bit	4	7337	10.27%	63474	88.85%
Extremely	5	4516	6.32%	67990	95.17%
DON'T KNOW	-1	98	0.14%	68088	95.31%
REFUSED TO ANSWER	-2	45	0.06%	68133	95.37%
[VALID MISSING]	-9	2808	3.93%	70941	99.31%
[INVALID MISSING]	-3	496	0.69%	71437	100.00%
TOTAL				71437	100.00%

Variable: feel_angry

Description: How much subject bothered by feeling irritable or angry outbursts in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Feeling irritable or having angry outbursts?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	36089	50.52%	36089	50.52%
A little bit	2	16913	23.68%	53002	74.19%
Moderately	3	8371	11.72%	61373	85.91%
Quite a bit	4	4412	6.18%	65785	92.09%
Extremely	5	2179	3.05%	67964	95.14%
DON'T KNOW	-1	109	0.15%	68073	95.29%
REFUSED TO ANSWER	-2	55	0.08%	68128	95.37%
[VALID MISSING]	-9	2808	3.93%	70936	99.30%
[INVALID MISSING]	-3	501	0.70%	71437	100.00%
TOTAL				71437	100.00%

Variable: concentrating

Description: How much subject bothered by having difficulty concentrating in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Having difficulty concentrating?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	35680	49.95%	35680	49.95%
A little bit	2	17343	24.28%	53023	74.22%
Moderately	3	8401	11.76%	61424	85.98%
Quite a bit	4	4368	6.11%	65792	92.10%
Extremely	5	2195	3.07%	67987	95.17%
DON'T KNOW	-1	82	0.11%	68069	95.29%
REFUSED TO ANSWER	-2	49	0.07%	68118	95.35%
[VALID MISSING]	-9	2808	3.93%	70926	99.28%
[INVALID MISSING]	-3	511	0.72%	71437	100.00%
TOTAL				71437	100.00%

Variable: superalert

Description: How much subject bothered by being superalert in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Being "superalert" or watchful or on guard?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	22930	32.10%	22930	32.10%
A little bit	2	15727	22.02%	38657	54.11%
Moderately	3	12362	17.30%	51019	71.42%
Quite a bit	4	9269	12.98%	60288	84.39%
Extremely	5	7588	10.62%	67876	95.02%
DON'T KNOW	-1	185	0.26%	68061	95.27%
REFUSED TO ANSWER	-2	49	0.07%	68110	95.34%
[VALID MISSING]	-9	2808	3.93%	70918	99.27%
[INVALID MISSING]	-3	519	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: jumpy

Description: How much subject bothered by feeling jumpy or easily startled in past 4 weeks

Stem: (In the past 4 weeks, how much [have you/has SUBJECT] been bothered by. . .) Feeling jumpy or easily startled?

Type: Radio

Applies To: Adult registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	1	35476	49.66%	35476	49.66%
A little bit	2	14400	20.16%	49876	69.82%
Moderately	3	8847	12.38%	58723	82.20%
Quite a bit	4	5535	7.75%	64258	89.95%
Extremely	5	3683	5.16%	67941	95.11%
DON'T KNOW	-1	117	0.16%	68058	95.27%
REFUSED TO ANSWER	-2	45	0.06%	68103	95.33%
[VALID MISSING]	-9	2808	3.93%	70911	99.26%
[INVALID MISSING]	-3	526	0.74%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_thought

Description: Has subject often thought about WTC in past 4 weeks

Stem: For these next questions, we want you to tell us what you've learned or been told about [SUBJECT]'s behavior during the last 4 weeks, that is, since [REFERENCE DATE] in relation to the World Trade Center disaster.

In the past 4 weeks, has [SUBJECT] often thought about what happened at the World Trade Center or what [he/she] saw?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	575	0.80%	575	0.80%
NO	2	1893	2.65%	2468	3.45%
DON'T KNOW	-1	143	0.20%	2611	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2612	3.66%
[VALID MISSING]	-9	68305	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_sleep

Description: Has subject had problems sleeping because of 9/11 in past 4 weeks

Stem: In the past 4 weeks, has [SUBJECT] had problems falling asleep or staying asleep because of 9/11?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	288	0.40%	288	0.40%
NO	2	2208	3.09%	2496	3.49%
DON'T KNOW	-1	115	0.16%	2611	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2612	3.66%
[VALID MISSING]	-9	68305	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_nightmares

Description: Has subject had nightmares because of 9/11 in past 4 weeks

Stem: In the past 4 weeks, has [SUBJECT] had a lot of nightmares because of 9/11?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	200	0.28%	200	0.28%
NO	2	2273	3.18%	2473	3.46%
DON'T KNOW	-1	138	0.19%	2611	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2612	3.66%
[VALID MISSING]	-9	68305	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_notthink

Description: Has subject tried not to think about WTC in past 4 weeks

Stem: (In the past 4 weeks,) has [SUBJECT] tried not to think about the World Trade Center attack and does not want to hear about it or talk about it?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	686	0.96%	686	0.96%
NO	2	1805	2.53%	2491	3.49%
DON'T KNOW	-1	119	0.17%	2610	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2611	3.65%
[VALID MISSING]	-9	68306	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_avoid

Description: Has subject avoided doing things that might make him/her think about WTC in past 4 weeks

Stem: (In the past 4 weeks,) has [SUBJECT] avoided going places or doing things that might make [him/her] think about the attack?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	361	0.51%	361	0.51%
NO	2	2163	3.03%	2524	3.53%
DON'T KNOW	-1	86	0.12%	2610	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2611	3.65%
[VALID MISSING]	-9	68306	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_keepaway

Description: Has subject avoided people who might remind of WTC in past 4 weeks

Stem: (In the past 4 weeks,) has [SUBJECT] tried to keep away from people who might remind [him/her] of the World Trade Center attack?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	159	0.22%	159	0.22%
NO	2	2358	3.30%	2517	3.52%
DON'T KNOW	-1	92	0.13%	2609	3.65%
REFUSED TO ANSWER	-2	2	0.00%	2611	3.65%
[VALID MISSING]	-9	68306	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_future

Description: Has subject avoided thinking about future because of 9/11 in the past 4 weeks

Stem: (In the past 4 weeks,) has [SUBJECT] avoided thinking about the future or about things [he/she] might do when [he/she] is older because of 9/11?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	168	0.24%	168	0.24%
NO	2	2238	3.13%	2406	3.37%
DON'T KNOW	-1	203	0.28%	2609	3.65%
REFUSED TO ANSWER	-2	1	0.00%	2610	3.65%
[VALID MISSING]	-9	68307	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: child_concentrate

Description: Has it been hard for subject to concentrate because of 9/11 in the past 4 weeks

Stem: (In the past 4 weeks,) has it been hard for [SUBJECT] to keep [his/her] mind on things or to concentrate because of 9/11?

Type: Radio

Applies To: Registrants younger than 18

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	318	0.45%	318	0.45%
NO	2	2150	3.01%	2468	3.45%
DON'T KNOW	-1	139	0.19%	2607	3.65%
REFUSED TO ANSWER	-2	2	0.00%	2609	3.65%
[VALID MISSING]	-9	68308	95.62%	70917	99.27%
[INVALID MISSING]	-3	520	0.73%	71437	100.00%
TOTAL				71437	100.00%

Variable: lifenet

Description: Subject received lifenet referral

Stem: Not applicable

Type: Calculated

Applies To: Registrants who qualify for lifenet referral based on previous mental health questions

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1	7550	10.57%	7550	10.57%
DON'T KNOW	-1	0	0.00%	7550	10.57%
REFUSED TO ANSWER	-2	0	0.00%	7550	10.57%
[VALID MISSING]	-9	63353	88.68%	70903	99.25%
[INVALID MISSING]	-3	534	0.75%	71437	100.00%
TOTAL				71437	100.00%

Variable: ever_smoke

Description: Has subject smoked at least 100 cigarettes in life

Stem: This next question is about smoking. [Have you/Has SUBJECT] smoked at least 100 cigarettes in [your/his/her] entire life? (A pack is about 20 cigarettes.)

Type: Radio

Applies To: Registrants aged 12 and older

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	28932	40.50%	28932	40.50%
NO	2	39953	55.93%	68885	96.43%
DON'T KNOW	-1	192	0.27%	69077	96.70%
REFUSED TO ANSWER	-2	41	0.06%	69118	96.75%
[VALID MISSING]	-9	1785	2.50%	70903	99.25%
[INVALID MISSING]	-3	534	0.75%	71437	100.00%
TOTAL				71437	100.00%

Variable: smoke_now

Description: Does subject now smoke

Stem: Do [you/SUBJECT] now smoke cigarettes every day, some days, or not at all?

Type: Radio

Applies To: Registrants who have smoked at least 100 cigarettes

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
EVERY DAY	1	6442	9.02%	6442	9.02%
SOME DAYS	2	4436	6.21%	10878	15.23%
NOT AT ALL	3	18038	25.25%	28916	40.48%
DON'T KNOW	-1	8	0.01%	28924	40.49%
REFUSED TO ANSWER	-2	8	0.01%	28932	40.50%
[VALID MISSING]	-9	41951	58.72%	70883	99.22%
[INVALID MISSING]	-3	554	0.78%	71437	100.00%
TOTAL				71437	100.00%

Variable: smoke_perday

Description: Avg cigarettes smoked per day

Stem: How many cigarettes on average do [you/SUBJECT] smoke per day?

Type: Text

Applies To: Registrants who smoke every day or some days

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		10625	14.87%	10625	14.87%
DON'T KNOW	-1	216	0.30%	10841	15.18%
REFUSED TO ANSWER	-2	36	0.05%	10877	15.23%
[VALID MISSING]	-9	59994	83.98%	70871	99.21%
[INVALID MISSING]	-3	566	0.79%	71437	100.00%
TOTAL				71437	100.00%

Variable: ssn

Description: Social Security Number

Stem: Next, I'd like to get your Social Security Number. This information will only be used in case we need to contact you again in the future, or to match our data to other health registries, which may provide very important information about the long-term health effects of 9/11. Giving us your Social Security Number is voluntary. What is your social security number?

NOTE: THE FOLLOWING PROBE MUST BE READ BEFORE ATTEMPTING TO GET THE LAST 4 DIGITS OF SSN: (The privacy of your answer is protected by a Federal Certificate of Confidentiality. This means researchers cannot be forced to disclose personal information about you (for example, by subpoena or court order.) Giving us your Social Security number is completely voluntary and there is no penalty for not disclosing it.)

Type: Text

Applies To: Living registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[SUPPRESSED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Variable: hispan

Description: Hispanic or Latino

Stem: [Are you/Is SUBJECT] Hispanic or [Latino/Latina]?

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	9338	13.07%	9338	13.07%
NO	2	60922	85.28%	70260	98.35%
DON'T KNOW	-1	100	0.14%	70360	98.49%
REFUSED TO ANSWER	-2	272	0.38%	70632	98.87%
[VALID MISSING]	-9	218	0.31%	70850	99.18%
[INVALID MISSING]	-3	587	0.82%	71437	100.00%
TOTAL				71437	100.00%

Variable: race

Description: Race

Stem: Which of the following would you say is [your/SUBJECT's] race? You may select more than one category.

Type: Checkbox

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
White	1	49127	66.21%	49127	66.21%
Black or African-American	2	9910	13.36%	59037	79.57%
American Indian or Alaska Native	3	1151	1.55%	60188	81.12%
Native Hawaiian or other Pacific Islander	4	399	0.54%	60587	81.66%
Asian	5	5429	7.32%	66016	88.98%
OTHER (SPECIFY)	6	6505	8.77%	72521	97.75%
DON'T KNOW	-1	134	0.18%	72655	97.93%
REFUSED TO ANSWER	-2	726	0.98%	73381	98.90%
[VALID MISSING]	-9	218	0.29%	73599	99.20%
[INVALID MISSING]	-3	595	0.80%	74194	100.00%
TOTAL				74194	100.00%

Variable: income

Description: Household income in 2002 before taxes

Stem: The next question is about your household income. What was (your/SUBJECT's) total household income in 2002 before taxes? (As with any question in this survey, you may refuse to answer it if you like. Giving us (your/SUBJECT's) income is completely voluntary. We will keep your answer private. If you chose to not give us your income, you can still participate in the Registry.)

Type: Radio

Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Less than $10,000	1	3176	4.45%	3176	4.45%
$10,000 to less than $15,000	2	1591	2.23%	4767	6.67%
$15,000 to less than $25,000	3	2975	4.16%	7742	10.84%
$25,000 to less than $35,000	4	4929	6.90%	12671	17.74%
$35,000 to less than $50,000	5	8532	11.94%	21203	29.68%
$50,000 to less than $75,000	6	13053	18.27%	34256	47.95%
$75,000 to less than $100,000	7	11332	15.86%	45588	63.82%
$100,000 to less than $150,000	8	9791	13.71%	55379	77.52%
$150,000 to less than $200,000	9	3229	4.52%	58608	82.04%
$200,000 or more	10	4340	6.08%	62948	88.12%
DON'T KNOW	-1	1427	2.00%	64375	90.11%
REFUSED TO ANSWER	-2	6233	8.73%	70608	98.84%
[VALID MISSING]	-9	218	0.31%	70826	99.14%
[INVALID MISSING]	-3	611	0.86%	71437	100.00%
TOTAL				71437	100.00%

Variable: mar_status

Description: Marital status

Stem: What is (your/SUBJECT's) current marital status? Would you say .

Type: Radio

Applies To: All registrants aged 15 or older

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Now married	1	38225	53.51%	38225	53.51%
Not married, but living with a partner	2	4582	6.41%	42807	59.92%
Widowed	3	1608	2.25%	44415	62.17%
Divorced	4	5855	8.20%	50270	70.37%
Separated	5	2137	2.99%	52407	73.36%
Never married	6	15712	21.99%	68119	95.36%
DON'T KNOW	-1	41	0.06%	68160	95.41%
REFUSED TO ANSWER	-2	403	0.56%	68563	95.98%
[VALID MISSING]	-9	2241	3.14%	70804	99.11%
[INVALID MISSING]	-3	633	0.89%	71437	100.00%
TOTAL				71437	100.00%

Variable: pregnant_911
Description: Was subject pregnant on 9/11/01
Stem: (Were you/Was SUBJECT) pregnant on September 11th, 2001?
Type: Radio
Applies To: Female registrants aged 15 - 50

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	599	0.84%	599	0.84%
NO	2	19310	27.03%	19909	27.87%
DON'T KNOW	-1	10	0.01%	19919	27.88%
REFUSED TO ANSWER	-2	17	0.02%	19936	27.91%
[VALID MISSING]	-9	50862	71.20%	70798	99.11%
[INVALID MISSING]	-3	639	0.89%	71437	100.00%
TOTAL				71437	100.00%

Variable: education
Description: Highest year of school completed
Stem: What is the highest grade or year of school (you/SUBJECT) completed?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
NEVER ATTENDED SCHOOL OR ONLY ATTENDED KINDERGARTEN	1	844	1.18%	844	1.18%
GRADES 1 THROUGH 8 (ELEMENTARY)	2	2528	3.54%	3372	4.72%
GRADES 9 THROUGH 11 (SOME HIGH SCHOOL)	3	2732	3.82%	6104	8.54%
GRADE 12 OR GED (HIGH SCHOOL GRADUATE)	4	13176	18.44%	19280	26.99%
COLLEGE 1 YEAR TO 3 YEARS (SOME COLLEGE OR TECHNICAL SCHOOL)	5	16774	23.48%	36054	50.47%
COLLEGE 4 YEARS OR MORE (COLLEGE GRADUATE)	6	21349	29.89%	57403	80.35%
POSTGRADUATE DEGREE (MASTER'S DEGREE, Ph.D., M.D., J.D., LLM)	7	12834	17.97%	70237	98.32%
DON'T KNOW	-1	79	0.11%	70316	98.43%
REFUSED TO ANSWER	-2	263	0.37%	70579	98.80%
[VALID MISSING]	-9	218	0.31%	70797	99.10%
[INVALID MISSING]	-3	640	0.90%	71437	100.00%
TOTAL				71437	100.00%

Variable: employed_911
Description: Employed on 9/11/01
Stem: On September 11th, 2001, (were you/was SUBJECT) employed? By employed, I mean working at a job or business or self-employed .
Type: Radio
Applies To: All registrants older than 12 on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	61714	86.39%	61714	86.39%
NO	2	6808	9.53%	68522	95.92%
DON'T KNOW	-1	33	0.05%	68555	95.97%
REFUSED TO ANSWER	-2	30	0.04%	68585	96.01%
[VALID MISSING]	-9	2208	3.09%	70793	99.10%
[INVALID MISSING]	-3	644	0.90%	71437	100.00%
TOTAL				71437	100.00%

Variable: business_911
Description: Name of organization worked for on 9/11/01
Stem: What company, organization or business did you work for? NOTE: IF SELF EMPLOYED, AND NO COMPANY NAME TYPE IN "SELF-EMPLOYED".
Type: Text
Applies To: Registrants who were employed on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[DATA PRESENT]		60227	84.31%	60227	84.31%
DON'T KNOW	-1	268	0.38%	60495	84.68%
REFUSED TO ANSWER	-2	596	0.83%	61091	85.52%
[VALID MISSING]	-9	9699	13.58%	70790	99.09%
[INVALID MISSING]	-3	647	0.91%	71437	100.00%
TOTAL				71437	100.00%

Variable: now_employed
Description: Currently employed
Stem: Are (you/SUBJECT) currently employed at a job or business or self-employed?
Type: Radio
Applies To: All registrants older than 12 on 9/11/01

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	57032	79.84%	57032	79.84%
NO	2	11882	16.63%	68914	96.47%
DON'T KNOW	-1	17	0.02%	68931	96.49%
REFUSED TO ANSWER	-2	63	0.09%	68994	96.58%
[VALID MISSING]	-9	1787	2.50%	70781	99.08%
[INVALID MISSING]	-3	656	0.92%	71437	100.00%
TOTAL				71437	100.00%

Variable: distress
Description: Did respondent show distress
Stem: (Please bear with me for a couple of seconds while I close out this interview and prepare for the next.)

DID THE RESPONDENT DEMONSTRATE ANY SIGNS OF EMOTIONAL DISTRESS?
Type: Radio
Applies To: All registrants

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	3027	4.24%	3027	4.24%
NO	2	68235	95.52%	71262	99.76%
DON'T KNOW	-1	0	0.00%	71262	99.76%
REFUSED TO ANSWER	-2	0	0.00%	71262	99.76%
[VALID MISSING]	-9	0	0.00%	71262	99.76%
[INVALID MISSING]	-3	175	0.24%	71437	100.00%
TOTAL				71437	100.00%

Variable: distress_signs
Description: Signs of distress exhibited
Stem: PLEASE MARK ALL SIGNS OF DISTRESS DISPLAYED.
Type: Checkbox
Applies To: Registrants who exhibited distress

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Changes in tone of voice	1	1954	2.51%	1954	2.51%
Changes in volume	2	1506	1.94%	3460	4.45%
Changes in pace of responses to questions	3	1273	1.64%	4733	6.09%
Changes in use of language, including inappropriate language	4	105	0.14%	4838	6.22%
Changes in focus on questions and responses	5	848	1.09%	5686	7.31%
Responses that do not relate to the questions asked	6	504	0.65%	6190	7.96%
Hesitancy in responding	7	904	1.16%	7094	9.13%
Refusal to respond	8	236	0.30%	7330	9.43%
Sobbing and crying softly	9	530	0.68%	7860	10.11%
Open weeping	10	193	0.25%	8053	10.36%
Other verbal signs of distress	11	564	0.73%	8617	11.08%
Agitation	12	276	0.36%	8893	11.44%
Tapping hands and feet	13	31	0.04%	8924	11.48%
Fidgeting in seat	14	82	0.11%	9006	11.58%
Standing up	15	26	0.03%	9032	11.62%
Walking around	16	46	0.06%	9078	11.68%
Leaving the area	17	22	0.03%	9100	11.71%
Other non-verbal signs of distress	18	225	0.29%	9325	11.99%
DON'T KNOW	-1	0	0.00%	9325	11.99%
REFUSED TO ANSWER	-2	0	0.00%	9325	11.99%
[VALID MISSING]	-9	68410	88.00%	77735	99.99%
[INVALID MISSING]	-3	7	0.01%	77742	100.00%
TOTAL				77742	100.00%

Variable: distress_level
Description: Level of distress exhibited
Stem: WHAT LEVEL OF DISTRESS DID YOU ASSOCIATE WITH THE SIGNS DISPLAYED?
Type: Radio
Applies To: Registrants who exhibited distress

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Level 1 - Mild	1	2401	3.36%	2401	3.36%
Level 2 - Moderate	2	616	0.86%	3017	4.22%
Level 3 - Severe	3	4	0.01%	3021	4.23%
DON'T KNOW	-1	0	0.00%	3021	4.23%
REFUSED TO ANSWER	-2	0	0.00%	3021	4.23%
[VALID MISSING]	-9	68410	95.76%	71431	99.99%
[INVALID MISSING]	-3	6	0.01%	71437	100.00%
TOTAL				71437	100.00%

Variable: actions_taken
Description: Actions taken due to distress
Stem: PLEASE MARK ALL ACTIONS TAKEN DURING THE INTERVIEW.
Type: Checkbox
Applies To: Registrants who exhibited distress

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Offered to take break, but did not	1	1762	2.43%	1762	2.43%
Took a break	2	298	0.41%	2060	2.84%
Stopped interview	3	174	0.24%	2234	3.08%
Made a LifeNet referral	4	1842	2.54%	4076	5.62%
Called LifeNet	5	30	0.04%	4106	5.66%
Called 911	6	0	0.00%	4106	5.66%
DON'T KNOW	-1	0	0.00%	4106	5.66%
REFUSED TO ANSWER	-2	0	0.00%	4106	5.66%
[VALID MISSING]	-9	68410	94.33%	72516	99.99%
[INVALID MISSING]	-3	5	0.01%	72521	100.00%
TOTAL				72521	100.00%

World Health Center Health Registry Derived Variables

Derived variables were created from the World Trade Center Health Registry data in the following circumstances:

- When values were collapsed to avoid disclosure (for example, language of interview)
- When questions were asked in an easy-to-answer form which required recombination (for example, age on 9/11, new or worse cough after 9/11)
- When free-text responses (i.e., other, please specify) required classification (for example, New York City Fire Department)
- When a complex combination of data occurred (for example, age on 9/11, probable current serious psychological distress)
- When external data were used to standardize classification (for example, building damage categorization according to assessments made by FEMA)
- When external programs were used to standardize classification (for example, census tracts created using geo-processing).

This document contains short descriptions of how each variable was derived. Missing values have the same codes as collected data. The derived variables fall into the following categories:

1. Interview Characteristics

Derived Variable: complete_int

Label: Type of completed interview

Baseline Variables Used: injury_cut, dec_ssn

Description: This variable distinguishes between three different types of completed interviews. Interviews are defined as complete when data on eligibility and exposure was collected. The cut-off for completed interviews for a registrant living at the time of the interview (by proxy or not) was determined to be INJURY_CUT, the first variable after the eligibility and exposure sections. The cut-off for proxy for a registrant deceased at the time of the interview (by proxy only) is DEC_SSN (the social security number for deceased registrants).

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Completed self interview	1	68337	95.66%	68337	95.66%
Completed proxy interview (child/incapacitated)	2	2940	4.12%	71277	99.78%
Completed proxy interview (deceased)	3	160	0.22%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: priority_group

Label: Priority Group

Baseline Variables Used: worker, resident, student/staff, occupant

Description: Indicates priority level of recruitment. Group 1, actively traced respondents includes WTC site and Staten Island workers, residents south of Chambers Street, occupants of the 35 damaged and destroyed buildings and 3 structures, and students and staff of schools south of Canal Street. Group 2 comprises other residents south of Canal Street and occupants of buildings and pedestrians who were south of Chambers on September 11. These respondents were recruited through self-identification. Group 1 status trumps Group 2 status for respondents who are eligible in multiple categories.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	0	816	1.14%	816	1.14%
1	1	47818	66.94%	48634	68.08%
2	2	22803	31.92%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: language2

Label: Language of interview

Baseline Variables Used: language, language_sp

Description: Restricted access variable due to confidentiality issues. Denotes the language in which the interview was administered. English, Spanish, Cantonese, and Mandarin interviews were conducted with a native-tongue interviewer. Interviews in other languages were conducted using a simultaneous translation service.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: source

Label: Source of interview

Baseline Variables Used: listsourceid

Description: This variable collapses LISTSOURCEID to determine the method of registration. It groups together all registrants whose names originated from lists provided by businesses, organizations, and other entities, and distinguishes them from those who registered through the WTC Health Registry website and those who registered by directly calling the WTC Health Registry telephone number provided for enrollment.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
List	1	21239	29.73%	21239	29.73%
Web	2	20817	29.14%	42056	58.87%
Inbound call	3	29381	41.13%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: language3

Label: Language of interview

Baseline Variables Used: language, language_sp, language2 (derived)

Description: Denotes language in which the interview was administered.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
English	1	68035	95.24%	68035	95.24%
Spanish	2	1350	1.89%	69385	97.13%
Cantonese	3	1057	1.48%	70442	98.61%
Mandarin	4	680	0.95%	71122	99.56%
Italian	19	28	0.04%	71150	99.60%
Polish	24	141	0.20%	71291	99.80%
Russian	27	41	0.06%	71332	99.85%
Languages with < 25 Respondents	37	105	0.15%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable:	foreign				
Label:	Foreign respondent				
Baseline Variables Used:	state_code, zipcode, city_name, street, verify_address, city, state, zipcode_lkup				
Description:	Groups respondents according to their mailing address at the time of interview. This categorization was made to take into consideration contact information required for future follow-up.				

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No (Current address in US or US territory at time of interview)	0	70527	98.73%	70527	98.73%
Yes (Current address in Canada at time of interview)	1	209	0.29%	70736	99.02%
Yes (Current address outside of US, US territories and Canada at time of interview)	2	42	0.06%	70778	99.08%
DON'T KNOW	-1	24	0.03%	70802	99.11%
REFUSED TO ANSWER	-2	253	0.35%	71055	99.47%
[VALID MISSING]	-9	246	0.34%	71301	99.81%
[INVALID MISSING]	-3	136	0.19%	71437	100.00%
TOTAL				71437	100.00%

2. Eligibility Groups

Derived Variable: resident_e
Label: Lived south of Canal Street on 09/11/2001
Baseline Variables Used: resident
Description: Classifies the resident eligibility group using the first variable in the resident section of the interview.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	56772	79.47%	56772	79.47%
Yes	1	14665	20.53%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: worker_e
Label: Rescue, recovery, cleanup worker at WTC, SI, and/or barge sites
Baseline Variables Used: responder, si_worker
Description: Classifies the worker eligibility group by combining affirmative responses for working at least one shift at the WTC rescue and recovery site (WORKER) and affirmative responses for working at the Staten Island recovery site or barge (SI_WORKER).

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	40772	57.07%	40772	57.07%
Yes	1	30665	42.93%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: occ_trans_e
Label: Individuals south of Chambers Street between the first plane impact and noon on 09/11/2001.
Baseline Variables Used: occ_trans
Description: Enumerates individuals in the occupant-transit eligibility group.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	27950	39.13%	27950	39.13%
Yes	1	43487	60.87%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: student_e
Label: Children who were enrolled in a school south of Canal Street on 09/11/2001.
Baseline Variables Used: student
Description: Enumerates individuals in the student eligibility group.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	69362	97.10%	69362	97.10%
Yes	1	2075	2.90%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: staff_e
Label: Staff employed in schools south of Canal Street on 09/11/2001.
Baseline Variables Used: staff
Description: Enumerates individuals in the school staff eligibility group.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70866	99.20%	70866	99.20%
Yes	1	571	0.80%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: Resident_pg
Label: Priority group among residents
Variables Used: Resident_e, address on 911 variables
Description: Denotes the stratification of registrants into higher and lower priority groups for the purposes of targeting and evaluating sample building activities (i.e. list procurement, outreach). For residents, Group 1 included residents as of September 11, 2001 at addresses located south of Chamber Street; Group 2 included residents located on or north of Chamber but south of Canal Street; A third resident group, Group 0, was defined upon recognition of the inclusion of respondents living on or north of canal in zip codes overlapping the Canal boundary or in other NYC boroughs.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0: North of Canal or other NYC borough	0	1176	1.65%	1176	1.65%
1: South of Chambers	1	8170	11.44%	9346	13.09%
2: South of Canal; North of Chambers	2	5319	7.45%	14665	20.54%
[VALID MISSING]	-9	56772	79.47%	71437	100.0%
TOTAL				71437	100.00%

Derived Variable: Occ_trans_pg

Label: Priority group among occupants/commuters/passerby

Variables Used: Occ_trans_e; FEMArating

Description: Denotes the stratification of building occupants, commuters, passerby into higher and lower priority groups for the purposes of targeting and evaluating sample building activities (i.e. list procurement, outreach). For occupants, Group 1 included individuals who were present in the 38 damaged or destroyed buildings/structures on the morning of September 11, 2001. Group 2 included occupants, employees, commuters, visitors and passersby who were present south of Chambers Street on September 11, 2001, other than those in 38 damaged or destroyed buildings/structures in and around the WTC site.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1: 38 damaged/destroyed building occupants	1	10265	14.37%	10265	14.37%
2: Other occ_trans	2	32608	45.65%	42873	60.02%
[INVALID MISSING]	-3	614	0.86%	43487	60.88%
[VALID MISSING]	-9	27950	39.13%	71437	100.0%
TOTAL				71437	100.00%

3. Demographics

Derived Variable:	age_911	
Label:	Age in years on 09/11/01	
Baseline Variables Used:	dob, age	
Description:	Derived by subtracting DOB from September 11, 2001.	

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 1	0	184	0.26%	184	0.26%
1	1	173	0.24%	357	0.50%
2	2	159	0.22%	516	0.72%
3	3	204	0.29%	720	1.01%
4	4	179	0.25%	899	1.26%
5	5	160	0.22%	1059	1.48%
6	6	154	0.22%	1213	1.70%
7	7	144	0.20%	1357	1.90%
8	8	169	0.24%	1526	2.14%
9	9	178	0.25%	1704	2.39%
10	10	134	0.19%	1838	2.57%
11	11	155	0.22%	1993	2.79%
12	12	153	0.21%	2146	3.00%
13	13	151	0.21%	2297	3.22%
14	14	255	0.36%	2552	3.57%
15	15	241	0.34%	2793	3.91%
16	16	213	0.30%	3006	4.21%
17	17	245	0.34%	3251	4.55%
18	18	272	0.38%	3523	4.93%
19	19	520	0.73%	4043	5.66%
20	20	469	0.66%	4512	6.32%
21	21	496	0.69%	5008	7.01%
22	22	714	1.00%	5722	8.01%
23	23	894	1.25%	6616	9.26%
24	24	1027	1.44%	7643	10.70%
25	25	1048	1.47%	8691	12.17%
26	26	1180	1.65%	9871	13.82%
27	27	1342	1.88%	11213	15.70%
28	28	1404	1.97%	12617	17.66%
29	29	1503	2.10%	14120	19.77%
30	30	1689	2.36%	15809	22.13%
31	31	1893	2.65%	17702	24.78%
32	32	1791	2.51%	19493	27.29%
33	33	1820	2.55%	21313	29.83%
34	34	1953	2.73%	23266	32.57%
35	35	2047	2.87%	25313	35.43%
36	36	2041	2.86%	27354	38.29%
37	37	2217	3.10%	29571	41.39%
38	38	2291	3.21%	31862	44.60%
39	39	2197	3.08%	34059	47.68%
40	40	2191	3.07%	36250	50.74%
41	41	2092	2.93%	38342	53.67%
42	42	2140	3.00%	40482	56.67%
43	43	2081	2.91%	42563	59.58%
44	44	2101	2.94%	44664	62.52%
45	45	2056	2.88%	46720	65.40%
46	46	2007	2.81%	48727	68.21%
47	47	1833	2.57%	50560	70.78%
48	48	1784	2.50%	52344	73.27%
49	49	1773	2.48%	54117	75.75%
50	50	1666	2.33%	55783	78.09%
51	51	1542	2.16%	57325	80.25%
52	52	1511	2.12%	58836	82.36%
53	53	1405	1.97%	60241	84.33%
54	54	1507	2.11%	61748	86.44%
55	55	1047	1.47%	62795	87.90%
56	56	970	1.36%	63765	89.26%
57	57	817	1.14%	64582	90.40%
58	58	939	1.31%	65521	91.72%
59	59	711	1.00%	66232	92.71%
60	60	591	0.83%	66823	93.54%
61	61	514	0.72%	67337	94.26%
62	62	419	0.59%	67756	94.85%
63	63	412	0.58%	68168	95.42%
64	64	295	0.41%	68463	95.84%
65	65	260	0.36%	68723	96.20%
66	66	268	0.38%	68991	96.58%
67	67	202	0.28%	69193	96.86%
68	68	180	0.25%	69373	97.11%
69	69	161	0.23%	69534	97.34%
70	70	172	0.24%	69706	97.58%
71	71	170	0.24%	69876	97.81%
72	72	136	0.19%	70012	98.01%
73	73	124	0.17%	70136	98.18%
74	74	113	0.16%	70249	98.34%
75	75	103	0.14%	70352	98.48%
76	76	88	0.12%	70440	98.60%
77	77	83	0.12%	70523	98.72%
78	78	68	0.10%	70591	98.82%
79	79	75	0.10%	70666	98.92%
80	80	64	0.09%	70730	99.01%
81	81	63	0.09%	70793	99.10%
82	82	66	0.09%	70859	99.19%
83	83	30	0.04%	70889	99.23%
84	84	31	0.04%	70920	99.28%
85+	85	161	0.23%	71081	99.50%
DON'T KNOW	-1	0	0.00%	71081	99.50%
REFUSED TO ANSWER	-2	0	0.00%	71081	99.50%
[VALID MISSING]	-9	0	0.00%	71081	99.50%
[INVALID MISSING]	-3	356	0.50%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable:	age_911grp	
Label:	Age group on 9/11/01	
Baseline Variables Used:	dob, age, age_911 (derived)	
Description:	Age on 09/11/01 collapsed into standard groupings similar to US Census tables.	

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0-17 yrs	1	3251	4.55%	3251	4.55%
18-24 yrs	2	4392	6.15%	7643	10.70%
25-44 yrs	3	37021	51.82%	44664	62.52%
45-64 yrs	4	23799	33.31%	68463	95.84%
65+ yrs	5	2618	3.66%	71081	99.50%
DON'T KNOW	-1	0	0.00%	71081	99.50%
REFUSED TO ANSWER	-2	0	0.00%	71081	99.50%
[VALID MISSING]	-9	0	0.00%	71081	99.50%
[INVALID MISSING]	-3	356	0.50%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: age_int
Label: Age in years at the time of interview
Baseline Variables Used: dob, age, int_date
Description: Derived by subtracting DOB from interview date in cases where AGE was not answered.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2	2	63	0.09%	63	0.09%
3	3	184	0.26%	247	0.35%
4	4	168	0.24%	415	0.58%
5	5	173	0.24%	588	0.82%
6	6	198	0.28%	786	1.10%
7	7	172	0.24%	958	1.34%
8	8	151	0.21%	1109	1.55%
9	9	151	0.21%	1260	1.76%
10	10	144	0.20%	1404	1.97%
11	11	180	0.25%	1584	2.22%
12	12	176	0.25%	1760	2.46%
13	13	132	0.18%	1892	2.65%
14	14	149	0.21%	2041	2.86%
15	15	140	0.20%	2181	3.05%
16	16	215	0.30%	2396	3.35%
17	17	239	0.33%	2635	3.69%
18	18	234	0.33%	2869	4.02%
19	19	229	0.32%	3098	4.34%
20	20	251	0.35%	3349	4.69%
21	21	394	0.55%	3743	5.24%
22	22	500	0.70%	4243	5.94%
23	23	461	0.65%	4704	6.58%
24	24	566	0.79%	5270	7.38%
25	25	774	1.08%	6044	8.46%
26	26	944	1.32%	6988	9.78%
27	27	1053	1.47%	8041	11.26%
28	28	1105	1.55%	9146	12.80%
29	29	1249	1.75%	10395	14.55%
30	30	1378	1.93%	11773	16.48%
31	31	1403	1.96%	13176	18.44%
32	32	1590	2.23%	14766	20.67%
33	33	1781	2.49%	16547	23.16%
34	34	1862	2.61%	18409	25.77%
35	35	1811	2.54%	20220	28.30%
36	36	1819	2.55%	22039	30.85%
37	37	2037	2.85%	24076	33.70%
38	38	2065	2.89%	26141	36.59%
39	39	2093	2.93%	28234	39.52%
40	40	2234	3.13%	30468	42.65%
41	41	2292	3.21%	32760	45.86%
42	42	2197	3.08%	34957	48.93%
43	43	2140	3.00%	37097	51.93%
44	44	2100	2.94%	39197	54.87%
45	45	2133	2.99%	41330	57.86%
46	46	2121	2.97%	43451	60.82%
47	47	2110	2.95%	45561	63.78%
48	48	2045	2.86%	47606	66.64%
49	49	1932	2.70%	49538	69.35%
50	50	1831	2.56%	51369	71.91%
51	51	1750	2.45%	53119	74.36%
52	52	1718	2.40%	54837	76.76%
53	53	1613	2.26%	56450	79.02%
54	54	1525	2.13%	57975	81.16%
55	55	1504	2.11%	59479	83.26%
56	56	1445	2.02%	60924	85.28%
57	57	1325	1.85%	62249	87.14%
58	58	994	1.39%	63243	88.53%
59	59	905	1.27%	64148	89.80%
60	60	866	1.21%	65014	91.01%
61	61	830	1.16%	65844	92.17%
62	62	661	0.93%	66505	93.10%
63	63	553	0.77%	67058	93.87%
64	64	501	0.70%	67559	94.57%
65	65	382	0.53%	67941	95.11%
66	66	374	0.52%	68315	95.63%
67	67	274	0.38%	68589	96.01%
68	68	250	0.35%	68839	96.36%
69	69	245	0.34%	69084	96.71%
70	70	187	0.26%	69271	96.97%
71	71	173	0.24%	69444	97.21%
72	72	174	0.24%	69618	97.45%
73	73	161	0.23%	69779	97.68%
74	74	163	0.23%	69942	97.91%
75	75	121	0.17%	70063	98.08%
76	76	127	0.18%	70190	98.25%
77	77	102	0.14%	70292	98.40%
78	78	91	0.13%	70383	98.52%
79	79	87	0.12%	70470	98.65%
80	80	78	0.11%	70548	98.76%
81	81	70	0.10%	70618	98.85%
82	82	74	0.10%	70692	98.96%
83	83	57	0.08%	70749	99.04%
84	84	67	0.09%	70816	99.13%
85+	85	263	0.37%	71079	99.50%
DON'T KNOW	-1	0	0.00%	71079	99.50%
REFUSED TO ANSWER	-2	0	0.00%	71079	99.50%
[VALID MISSING]	-9	0	0.00%	71079	99.50%
[INVALID MISSING]	-3	358	0.50%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: age_intgrp
Label: Age group at time of interview
Baseline Variables Used: dob, age, int_date
Description: Age at time of interview collapsed into standard groupings similar to US Census tables.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0-17 yrs	1	2635	3.69%	2635	3.69%
18-24 yrs	2	2635	3.69%	5270	7.38%
25-44 yrs	3	33927	47.49%	39197	54.87%
45-64 yrs	4	28362	39.70%	67559	94.57%
65+ yrs	5	3520	4.93%	71079	99.50%
DON'T KNOW	-1	0	0.00%	71079	99.50%
REFUSED TO ANSWER	-2	0	0.00%	71079	99.50%
[VALID MISSING]	-9	0	0.00%	71079	99.50%
[INVALID MISSING]	-3	358	0.50%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: census_race

Label: Combined race/ethnicity

Baseline Variables Used: hispan, race, racesp, dec_ethnicity, dec_race, dec_race_sp, language

Description: Composite of race/ethnicity categorized according to methods used in 2000 Census SF1 documentation appendix of race codes (http://www.census.gov/prod/cen2000/doc/sf1.pdf). Registrants who responded "Yes" to HISPAN were classified as Hispanic or Latino regardless of response to RACE or RACE_SP. Non-Hispanic registrants were coded according to the combination of checklist answers in RACE and free-text responses from RACE_SP. LANGUAGE was used if data was missing in other variables.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
White (non-Hispanic)	1	44970	62.95%	44970	62.95%
Black or African American (non-Hispanic)	2	8466	11.85%	53436	74.80%
Hispanic or Latino (any race)	3	9564	13.39%	63000	88.19%
Asian (includes Native Hawaiian/Pacific Islander)	4	5382	7.53%	68382	95.72%
Multiracial	5	1421	1.99%	69803	97.71%
Other (includes American Indian/Alaskan Native/Unknowns)	6	1634	2.29%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

4. Building Survivor Characteristics

Derived Variable: build_code2

Label: Damaged or destroyed buildings and structures

Baseline Variables Used: build_transit, build_code, build_name, build_address

Description: Combined drop-down lists with free-text. Includes registrants who answered affirmative for BUILD_TRANSIT: "On September 11th, 2001 were you in a building south of Chambers Street between the time of the first plane impact and noon?" and from responsed in BUILD-CODE, BUILD_NAME, and BUILD_ADDRESS variables in which the specified building was one of 38 damaged and destroyed buildings/structures targeted by the WTCHR for list building and recruitment. Because of confidentiality issues, cells with frequencies less than 25 are not reported (denoted by "- -") and are available based upon review of request.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
WTC 1/North Tower	1	2217	3.10%		
WTC 2/South Tower	2	1990	2.79%		
WTC 7	3	435	0.61%		
WTC 3	4	199	0.28%		
North Bridge	5	--	--		
St. Nicholas Greek Orthodox Church	6	--	--		
WTC 4	7	256	0.36%		
WTC 5	8	393	0.55%		
WTC 6	9	147	0.21%		
WTC Concourse	10	412	0.58%		
3 WFC/Tower C Annex	11	359	0.50%		
2 WFC/Tower B	12	417	0.58%		
Bankers Trust/Deutsche Bank	13	219	0.31%		
Verizon Building	14	188	0.26%		
West Street Building/Coal and Iron Exchange	15	78	0.11%		
Fiterman Hall	16	86	0.12%		
Green Exchange Buildiing	17	25	0.03%		
Engineering Building	18	--	--		
120 Cedar St	19	--	--		
NYFD Ladder 10	20	32	0.04%		
Winter Garden	21	33	0.05%		
Park Place	22	29	0.04%		
Millenium Hotel	23	46	0.06%		
One Liberty Plaza	24	383	0.54%		
Bankers Trust/Deutsche Bank	25	--	--		
WFC 1/Tower A	26	476	0.67%		
Marriott Hotel	27	73	0.10%		
Century 21 Department Store	28	175	0.24%		
Gateway Plaza	29	434	0.61%		
Trinity and US Realty Buildings	30	124	0.17%		
Bank of New York	31	276	0.39%		
Federal Office Building/Post Office	32	435	0.61%		
110-120 Church St	33	--	--		
RR Donnelly and Sons Company	34	150	0.21%		
110 Greenwich St	35	28	0.04%		
110 Liberty St	36	--	--		
South Bridge	37	43	0.06%		
114 Greenwich St	38	--	--		
WTC not specified	39	128	0.08%		
Not in damage or	99	19417	27.18%		
DON'T KNOW	-1	479	0.67%	30289	42.40%
REFUSED TO ANSWER	-2	7	0.01%	30296	42.41%
[VALID MISSING]	-9	41141	57.59%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL					

Derived Variable: femarating

Label: Characterization of damaged and destroyed buildings and structures

Baseline Variables Used: build_code2 (derived), build_transit, build_code, build_name, build_address

Description: Summarizes 38 damaged or destroyed buildings/structures targeted for list building and recruitment by severity of damage according to FEMA's Building Performance Study. The full report can be found at http://www.fema.gov/library/wtcstudy.shtm. Note that responses of "World Trade Center" or "World Financial Center" without specification of the particular building were coded as 6 (WTC unspecified).

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
North and South Towers	1	4207	5.89%	4207	5.89%
Other fully collapsed	2	642	0.90%	4849	6.79%
Partial collapse	3	1208	1.69%	6057	8.48%
Major damage	4	1489	2.08%	7546	10.56%
Moderate damage	5	2719	3.81%	10265	14.37%
WTC unspecified	6	128	0.18%	10393	14.55%
Not in damaged or destroyed building	99	19417	27.18%	29810	41.73%
DON'T KNOW	-1	479	0.67%	30289	42.40%
REFUSED TO ANSWER	-2	7	0.01%	30296	42.41%
[VALID MISSING]	-9	41141	57.59%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL		71437	100.00%		

5. Rescue and Recovery Groups

Derived Variable: fdny_scan

Label: New York City Fire Department personnel involved in disaster rescue, recovery, cleanup operations

Baseline Variables Used: responder, si_worker, worker_cat, worker_catsp, worker_cat_si, worker_cat_sisp, business_911

Description: Incorporates drop-down list and free-text to flag registrants who indicated they worked for the New York City Fire Department in rescue, recovery, cleanup or other disaster-related activities at the WTC, Staten Island, or barge sites between September 11th, 2001 and June 30th, 2002. FDNY workers must have answered affirmative to RESPONDER or SI_WORKER. FDNY workers must have also answered '1' (FDNY) or '3' (FDNY-EMS) for WORKER_CAT or WORKER_CAT_SI or indicated their employer was FDNY in the free-text variables WORKER_CATSP, WORKER_CAT_SISP or BUSINESS_911.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	68241	95.53%	68241	95.53%
Yes	1	3196	4.47%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: nypd_scan

Label: New York City Police Department personnel involved in disaster rescue, recovery, cleanup operations

Baseline Variables Used: responder, si_worker, worker_cat, worker_catsp, worker_cat_si, worker_cat_sisp, business_911

Description: Incorporates drop-down list and free-text to flag registrants who indicated they worked for the New York City Police Department in rescue, recovery, cleanup or other disaster-related activities at the WTC, Staten Island, or barge sites between September 11th, 2001 and June 30th, 2002. NYPD workers must have answered affirmative to RESPONDER or SI_WORKER. NYPD workers must have also answered '8' (NYPD) for WORKER_CAT or WORKER_CAT_SI or indicated their employer was NYPD in the free-text variables WORKER_CATSP, WORKER_CAT_SISP or BUSINESS_911.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	67680	94.74%	67680	94.74%
Yes	1	3757	5.26%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: sani_scan

Label: New York City Department of Sanitation personnel involved in rescue, recovery, cleanup operations

Baseline Variables Used: responder, si_worker, worker_cat, worker_catsp, worker_cat_si, worker_cat_sisp, business_911

Description: Incorporates drop-down list and free-text to flag registrants who indicated they worked for the New York City Department of Sanitation in rescue, recovery, cleanup or other disaster-related activities at the WTC, Staten Island, or barge sites between September 11th, 2001 and June 30th, 2002. Sanitation workers must have answered affirmative to RESPONDER or SI_WORKER. Sanitation workers must have also answered '27' (Department of Sanitation) in WORKER_CAT or WORKER_CAT_SI or indicated their employer was the NYC Department of Sanitation in the free-text variables WORKER_CATSP, WORKER_CAT_SISP or BUSINESS_911.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	69320	97.04%	69320	97.04%
Yes	1	2117	2.96%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: other_fire_scan

Label: Non-NYC Fire department personnel involved in disaster rescue, recovery, and cleanup operations

Baseline Variables Used: responder, si_worker, worker_cat, worker_catsp, worker_cat_si, worker_cat_sisp, business_911

Description: Incorporates drop-down list and free-text to flag registrants who indicated they worked for Fire Departments from outside of New York City in rescue, recovery, cleanup or other disaster-related activities at the WTC, Staten Island, or barge sites between September 11th, 2001 and June 30th, 2002. Non-NYC fire department workers must have answered affirmative to RESPONDER or SI_WORKER. Non-NYC fire department workers must have also answered '2' (Fire Department Personnel – Non-NYC) for WORKER_CAT or WORKER_CAT_SI or indicated their employer was a Non-NYC Fire Department in the free-text variables WORKER_CATSP, WORKER_CAT_SISP or BUSINESS_911.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70676	98.93%	70676	98.93%
Yes	1	761	1.07%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: ddc_scan

Label: New York City Department of Design and Construction personnel involved in disaster rescue, recovery, and cleanup operations

Baseline Variables Used: responder, si_worker, worker_cat, worker_catsp, worker_cat_si, worker_cat_sisp, business_911

Description: Incorporates drop-down list and free-text to flag registrants who indicated they worked for the NYC DDC in rescue, recovery, cleanup or other disaster-related activities at the WTC, Staten Island, or barge sites between September 11th, 2001 and June 30th, 2002. DDC workers must have answered affirmative to RESPONDER or SI_WORKER. DDC workers must have also answered '28' (Department of Design and Construction) for WORKER_CAT or WORKER_CAT_SI or indicated their employer was the DDC in the free-text variables WORKER_CATSP, WORKER_CAT_SISP or BUSINESS_911.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	71262	99.76%	71262	99.76%
Yes	1	175	0.24%	71437	100.00%
DON'T KNOW	-1	0	0.00%	71437	100.00%
REFUSED TO ANSWER	-2	0	0.00%	71437	100.00%
[VALID MISSING]	-9	0	0.00%	71437	100.00%
[INVALID MISSING]	-3	0	0.00%	71437	100.00%
TOTAL				71437	100.00%

6. Resident Location

Derived Variable: census_tract

Label: Census tract of residential address on 9/11/01

Baseline Variables Used: confidential variables related to residential address on september 11th, 2001.

Description: Restricted variable created to assign the census tract through geo-coding of all registrants living below Canal Street on 9/11/01. Because of confidentiality issues, this variable's availability is contingent upon review of request.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: census_block

Label: Census block of residential address on 9/11/01

Baseline Variables Used: confidential variables related to residential address on september 11th, 2001.

Description: Restricted variable created to assign the census block through geo-coding of all registrants living below Canal Street on 9/11/01. Because of confidentiality issues, this variable's availability is contingent upon review of request.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: distance_ft

Label: Distance in feet from residence to the center point between WTC Tower 1 and Tower 2

Baseline Variables Used: confidential variables related to residential address on september 11th, 2001.

Description: Restricted variable created to assign a distance calculated through geo-coding of all registrants living below Canal Street on 9/11/01. Because of confidentiality issues, this variable's availability is contingent upon review of request.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
[RESTRICTED]		71437	100.00%	71437	100.00%
TOTAL				71437	100.00%

7. Physical Health Symptoms

Derived Variable: cough_nw

Label: New or worsening persistent cough after 9/11/01

Baseline Variables Used: cough, cough_after, cough_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: COUGH (Since 9/11, have you had persistent cough?) and COUGH_AFTER (Did your persistent cough get worse after 9/11?). COUGH_AFTER was included if COUGH_EVER (Before 9/11, did you have persistent cough?) was answered affirmative. If COUGH_EVER was negative, only COUGH (Since 9/11) applied to the derived variable. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	44931	62.90%	44931	62.90%
Yes	1	25662	35.92%	70593	98.82%
DON'T KNOW	-1	0	0.00%	70593	98.82%
REFUSED TO ANSWER	-2	0	0.00%	70593	98.82%
[VALID MISSING]	-9	165	0.23%	70758	99.05%
[INVALID MISSING]	-3	679	0.95%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: depression_nw

Label: New or worsening depression after 9/11/01

Baseline Variables Used: depression, depress_after, depress_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: DEPRESSION (Since 9/11, have you had depression?) and DEPRESS_AFTER (Did your depression get worse after 9/11?). DEPRESS_AFTER was included if DEPRESS_EVER (Before 9/11, did you have depression?) was answered affirmative. If DEPRESS_EVER was negative, only DEPRESSION (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	35172	49.23%	35172	49.23%
Yes	1	35075	49.10%	70247	98.33%
DON'T KNOW	-1	0	0.00%	70247	98.33%
REFUSED TO ANSWER	-2	0	0.00%	70247	98.33%
[VALID MISSING]	-9	165	0.23%	70412	98.57%
[INVALID MISSING]	-3	1025	1.43%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: eye_nw

Label: New or worsening eye irritation after 9/11/01

Baseline Variables Used: eye_irritation, eye_after, eye_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: EYE_IRRITATION (Since 9/11, have you had eye irritation?) and EYE_AFTER (Did your eye irritation get worse after 9/11?). EYE_AFTER was included if EYE_EVER (Before 9/11, did you have eye irritation?) was answered affirmative. If EYE_EVER was negative, only EYE_IRRITATION (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	47226	66.11%	47226	66.11%
Yes	1	23362	32.70%	70588	98.81%
DON'T KNOW	-1	0	0.00%	70588	98.81%
REFUSED TO ANSWER	-2	0	0.00%	70588	98.81%
[VALID MISSING]	-9	165	0.23%	70753	99.04%
[INVALID MISSING]	-3	684	0.96%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: headache_nw

Label: New or worsening frequent severe headache after 9/11/01

Baseline Variables Used: headache, headache_after, headache_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: HEADACHE (Since 9/11, have you had frequent severe headaches?) and HEADACHE_AFTER (Did your frequent severe headaches get worse after 9/11?). HEADACHE_AFTER was included if HEADACHE_EVER (Before 9/11, did you have frequent severe headaches?) was answered affirmative. If HEADACHE_EVER was negative, only HEADACHE (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	55693	77.96%	55693	77.96%
Yes	1	14925	20.89%	70618	98.85%
DON'T KNOW	-1	0	0.00%	70618	98.85%
REFUSED TO ANSWER	-2	0	0.00%	70618	98.85%
[VALID MISSING]	-9	165	0.23%	70783	99.08%
[INVALID MISSING]	-3	654	0.92%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: hearing_nw

Label: New or worsening hearing problems after 9/11/01

Baseline Variables Used: hearing_prob, hear_after, hear_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: HEARING_PROB (Since 9/11, have you had hearing problem or hearing loss?) and HEAR_AFTER (Did your hearing problem or hearing loss get worse after 9/11?). HEAR_AFTER was included if HEAR_EVER (Before 9/11, did you have hearing problem or hearing loss?) was answered affirmative. If HEAR_EVER was negative, only HEARING_PROB (Since 9/11) applies to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	63932	89.49%	63932	89.49%
Yes	1	6347	8.88%	70279	98.38%
DON'T KNOW	-1	0	0.00%	70279	98.38%
REFUSED TO ANSWER	-2	0	0.00%	70279	98.38%
[VALID MISSING]	-9	165	0.23%	70444	98.61%
[INVALID MISSING]	-3	993	1.39%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: htburn_nw

Label: New or worsening heartburn after 9/11/01

Baseline Variables Used: heartburn, htburn_after, htburn_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: HEARTBURN (Since 9/11, have you had heartburn, indigestion, or reflux?) and HTBURN_AFTER (Did your heartburn, indigestion, or reflux get worse after 9/11?). HTBURN_AFTER was included if HTBURN_EVER (Before 9/11, did you have heartburn, indigestion, or reflux?) was answered affirmative. If HTBURN_EVER was negative, only HEARTBURN (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	52314	73.23%	52314	73.23%
Yes	1	17906	25.07%	70220	98.30%
DON'T KNOW	-1	0	0.00%	70220	98.30%
REFUSED TO ANSWER	-2	0	0.00%	70220	98.30%
[VALID MISSING]	-9	165	0.23%	70385	98.53%
[INVALID MISSING]	-3	1052	1.47%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: breath_nw

Label: New or worsening shortness of breath after 9/11/01

Baseline Variables Used: shortness_breath, brthless_after, brthless_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: SHORTNESS_BREATH (Since 9/11, have you had shortness of breath?) and BRTHLESS_AFTER (Did your shortness of breath get worse after 9/11?). BRTHLESS_AFTER was included if BRTHLESS_EVER (Before 9/11, did you have shortness of breath?) was answered affirmative. If BRTHLESS_EVER was negative, only SHORTNESS_BREATH (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	40994	57.38%	40994	57.38%
Yes	1	29337	41.07%	70331	98.45%
DON'T KNOW	-1	0	0.00%	70331	98.45%
REFUSED TO ANSWER	-2	0	0.00%	70331	98.45%
[VALID MISSING]	-9	165	0.23%	70496	98.68%
[INVALID MISSING]	-3	941	1.32%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: skin_nw

Label: New or worsening skin irritation or rash after 9/11/01

Baseline Variables Used: skin_rash, skinrash_after, skinrash_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: SKIN_RASH (Since 9/11, have you had skin rash or irritation?) and SKINRASH_AFTER (Did your skin rash or irritation get worse after 9/11?). SKINRASH_AFTER was included if SKINRASH_EVER (Before 9/11, did you have skin rash or irritation?) was answered affirmative. If SKINRASH_EVER was negative, only SKIN_RASH (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	60604	84.84%	60604	84.84%
Yes	1	10096	14.13%	70700	98.97%
DON'T KNOW	-1	0	0.00%	70700	98.97%
REFUSED TO ANSWER	-2	0	0.00%	70700	98.97%
[VALID MISSING]	-9	165	0.23%	70865	99.20%
[INVALID MISSING]	-3	572	0.80%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: sinus_nw

Label: New or worsening sinus problems after 9/11/01

Baseline Variables Used: sinus, sinus_after, sinus_ever

Description: Health symptom outcome determined by combining affirmative responses in two variables: SINUS (Since 9/11, have you had sinus problems, nose irritation, or post nasal irritation?) and SINUS_AFTER (Did your sinus problems, nose irritation, or post nasal irritation get worse after 9/11?). SINUS_AFTER was included if SINUS_EVER (Before 9/11, did you have sinus problems, nose irritation, or post nasal irritation?) was answered affirmative. If SINUS_EVER was negative, only SINUS (Since 9/11) applied to the derived variable calculation. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	37439	52.41%	37439	52.41%
Yes	1	32501	45.50%	69940	97.90%
DON'T KNOW	-1	0	0.00%	69940	97.90%
REFUSED TO ANSWER	-2	0	0.00%	69940	97.90%
[VALID MISSING]	-9	165	0.23%	70105	98.14%
[INVALID MISSING]	-3	1332	1.86%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: throat_nw

Label: New or worsening throat irritation after 9/11/01

Baseline Variables Used: throat_irritation, throat_after, throat_ever

Description: Health symptom outcome determined by combining affirmative responses to two variables: THROAT_IRRITATION (Since 9/11, have you had throat irritation?) and THROAT_AFTER (Did your throat irritation get worse after 9/11?). THROAT_AFTER was included if THROAT_EVER (Before 9/11, did you have throat irritation?) was answered affirmative. If THROAT_EVER was negative, only THROAT_IRRATION (Since 9/11) applied to the derived variable. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	43740	61.23%	43740	61.23%
Yes	1	26769	37.47%	70509	98.70%
DON'T KNOW	-1	0	0.00%	70509	98.70%
REFUSED TO ANSWER	-2	0	0.00%	70509	98.70%
[VALID MISSING]	-9	165	0.23%	70674	98.93%
[INVALID MISSING]	-3	763	1.07%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: wheeze_nw

Label: New or worsening wheezing problems after 9/11/01

Baseline Variables Used: wheezing, wheeze_after, wheeze_ever

Description: Health symptom outcome determined by combining affirmative responses to two variables: WHEEZING (Since 9/11, have you had wheezing?) and WHEEZE_AFTER (Did your wheezing get worse after 9/11?). WHEEZE_AFTER was included if WHEEZE_EVER (Before 9/11, did you have wheezing?) was answered affirmative. If WHEEZE_EVER was negative, only WHEEZING applied to the derived variable. Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	43810	61.33%	43810	61.33%
Yes	1	26206	36.68%	70016	98.01%
DON'T KNOW	-1	0	0.00%	70016	98.01%
REFUSED TO ANSWER	-2	0	0.00%	70016	98.01%
[VALID MISSING]	-9	165	0.23%	70181	98.24%
[INVALID MISSING]	-3	1256	1.76%	71437	100.00%
TOTAL				71437	100.00%

8. Physical Health Symptom Denominators (useful for point prevalence estimations in SUDAAN)

Derived Variable: cough_den

Label: Denominator for new or worsening cough after 9/11

Baseline Variables Used: cough, cough_ever

Description: Denominator for health symptom outcome COUGH_NW. The value of 1=Yes in COUGH_DEN represents the total number of eligible respondents that gave valid answers for COUGH (1=YES or 2=No) and COUGH_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70593	98.82%	70593	98.82%
DON'T KNOW	-1	0	0.00%	70593	98.82%
REFUSED TO ANSWER	-2	0	0.00%	70593	98.82%
[VALID MISSING]	-9	165	0.23%	70758	99.05%
[INVALID MISSING]	-3	679	0.95%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: depression_den

Label: Denominator for new or worsening depression after 9/11

Baseline Variables Used: depression, depress_ever

Description: Denominator for health symptom outcome DEPRESSION_NW. The value of 1=Yes in DEPRESSION_DEN represents the total number of eligible respondents that gave valid answers for DEPRESSION (1=YES or 2=No) and DEPRESS_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70247	98.33%	70247	98.33%
DON'T KNOW	-1	0	0.00%	70247	98.33%
REFUSED TO ANSWER	-2	0	0.00%	70247	98.33%
[VALID MISSING]	-9	165	0.23%	70412	98.57%
[INVALID MISSING]	-3	1025	1.43%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: eye_den

Label: Denominator for new or worsening eye irritation after 9/11/01

Baseline Variables Used: eye_irritation, eye_ever

Description: Denominator for health symptom outcome EYE_NW. The value of 1=Yes in EYE_DEN represents the total number of eligible respondents that gave valid answers for EYE_IRRITATION (1=YES or 2=No) and EYE_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70588	98.81%	70588	98.81%
DON'T KNOW	-1	0	0.00%	70588	98.81%
REFUSED TO ANSWER	-2	0	0.00%	70588	98.81%
[VALID MISSING]	-9	165	0.23%	70753	99.04%
[INVALID MISSING]	-3	684	0.96%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: headache_den

Label: Denominator for new or worsening headache after 9/11/01

Baseline Variables Used: headache, headache_ever

Description: Denominator for health symptom outcome HEADACHE_NW. The value of 1=Yes in HEADACHE_DEN represents the total number of eligible respondents that gave valid answers for HEADACHE (1=YES or 2=No) and HEADACHE_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70618	98.85%	70618	98.85%
DON'T KNOW	-1	0	0.00%	70618	98.85%
REFUSED TO ANSWER	-2	0	0.00%	70618	98.85%
[VALID MISSING]	-9	165	0.23%	70783	99.08%
[INVALID MISSING]	-3	654	0.92%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: hearing_den

Label: Denominator for new or worsening hearing problems after 9/11/01

Baseline Variables Used: hearing_prob, hear_ever

Description: Denominator for health symptom outcome HEARING_NW. The value of 1=Yes in HEARING_DEN represents the total number of eligible respondents that gave valid answers for HEARING_PROB (1=YES or 2=No) and HEARING_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70279	98.38%	70279	98.38%
DON'T KNOW	-1	0	0.00%	70279	98.38%
REFUSED TO ANSWER	-2	0	0.00%	70279	98.38%
[VALID MISSING]	-9	165	0.23%	70444	98.61%
[INVALID MISSING]	-3	993	1.39%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: htburn_den

Label: Denominator for new or worsening heartburn after 9/11/01

Baseline Variables Used: heartburn, htburn_ever

Description: Denominator for health symptom outcome HTBURN_NW. The value of 1=Yes in HTBURN_DEN represents the total number of eligible respondents that gave valid answers for HEARTBURN (1=YES or 2=No) and HTBURN_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70220	98.30%	70220	98.30%
DON'T KNOW	-1	0	0.00%	70220	98.30%
REFUSED TO ANSWER	-2	0	0.00%	70220	98.30%
[VALID MISSING]	-9	165	0.23%	70385	98.53%
[INVALID MISSING]	-3	1052	1.47%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: breath_den

Label: Denominator for new or worsening shortness of breath after 9/11/01

Baseline Variables Used: shortness_breath, brthless_ever

Description: Denominator for health symptom outcome BREATH_NW. The value of 1=Yes in BREATH_DEN represents the total number of eligible respondents that gave valid answers for SHORTNESS_BREATH (1=YES or 2=No) and BRTHLESS_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70331	98.45%	70331	98.45%
DON'T KNOW	-1	0	0.00%	70331	98.45%
REFUSED TO ANSWER	-2	0	0.00%	70331	98.45%
[VALID MISSING]	-9	165	0.23%	70496	98.68%
[INVALID MISSING]	-3	941	1.32%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: skin_den

Label: Denominator for new or worsening skin irritation or rash after 9/11/01

Baseline Variables Used: skin_rash, skinrash_ever

Description: Denominator for health symptom outcome SKIN_NW. The value of 1=Yes in SKIN_DEN represents the total number of eligible respondents that gave valid answers for SKIN_RASH (1=YES or 2=No) and SKINRASH_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70700	98.97%	70700	98.97%
DON'T KNOW	-1	0	0.00%	70700	98.97%
REFUSED TO ANSWER	-2	0	0.00%	70700	98.97%
[VALID MISSING]	-9	165	0.23%	70865	99.20%
[INVALID MISSING]	-3	572	0.80%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: sinus_den

Label: Denominator for new or worsening sinus problems after 9/11/01

Baseline Variables Used: sinus, sinus_ever

Description: Denominator for health symptom outcome SINUS_NW. The value of 1=Yes in SINUS_DEN represents the total number of eligible respondents that gave valid answers for SINUS (1=YES or 2=No) and SINUS_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	69940	97.90%	69940	97.90%
DON'T KNOW	-1	0	0.00%	69940	97.90%
REFUSED TO ANSWER	-2	0	0.00%	69940	97.90%
[VALID MISSING]	-9	165	0.23%	70105	98.14%
[INVALID MISSING]	-3	1332	1.86%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: throat_den

Label: Denominator for new or worsening throat irritation after 9/11/01

Baseline Variables Used: throat_irritation, throat_ever

Description: Denominator for health symptom outcome THROAT_NW. The value of 1=Yes in THROAT_DEN represents the total number of eligible respondents that gave valid answers for THROAT_IRRITATION (1=YES or 2=No) and THROAT_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70509	98.70%	70509	98.70%
DON'T KNOW	-1	0	0.00%	70509	98.70%
REFUSED TO ANSWER	-2	0	0.00%	70509	98.70%
[VALID MISSING]	-9	165	0.23%	70674	98.93%
[INVALID MISSING]	-3	763	1.07%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: wheeze_den

Label: Denominator for new or worsening wheezing problems after 9/11/01

Baseline Variables Used: wheezing, wheeze_ever

Description: Denominator for health symptom outcome WHEEZE_NW. The value of 1=Yes in WHEEZE_DEN represents the total number of eligible respondents that gave valid answers for WHEEZING (1=YES or 2=No) and WHEEZE_EVER (1=Yes or 2=No). The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70016	98.01%	70016	98.01%
DON'T KNOW	-1	0	0.00%	70016	98.01%
REFUSED TO ANSWER	-2	0	0.00%	70016	98.01%
[VALID MISSING]	-9	165	0.23%	70181	98.24%
[INVALID MISSING]	-3	1256	1.76%	71437	100.00%
TOTAL				71437	100.00%

9. Physical Health Conditions

Derived Variable: angina_new

Label: Newly diagnosed angina (also called angina pectoris) since 9/11

Baseline Variables Used: angina, angina_before

Description: Health condition diagnosed after 9/11. ANGINA_NEW is affirmative (1=YES) if ANGINA (Have you ever been told by a doctor or health professional that you have angina (also called angina pectoris)?) is not equal to 2 (No) and ANGINA_BEFORE (Did a doctor or health professional first tell you that you had angina (also called angina pectoris) before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70240	98.32%	70240	98.32%
Yes	1	289	0.40%	70529	98.73%
DON'T KNOW	-1	0	0.00%	70529	98.73%
REFUSED TO ANSWER	-2	0	0.00%	70529	98.73%
[VALID MISSING]	-9	172	0.24%	70701	98.97%
[INVALID MISSING]	-3	736	1.03%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: asthma_new

Label: Newly diagnosed asthma since 9/11

Baseline Variables Used: asthma, asthma_before

Description: Health condition diagnosed after 9/11. ASTHMA_NEW is affirmative (1=YES) if ASTHMA (Have you ever been told by a doctor or health professional that you have asthma?) is not equal to 2 (No) and ASTHMA_BEFORE (Did a doctor or health professional first tell you that you had __before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	68789	96.29%	68789	96.29%
Yes	1	2143	3.00%	70932	99.29%
DON'T KNOW	-1	0	0.00%	70932	99.29%
REFUSED TO ANSWER	-2	0	0.00%	70932	99.29%
[VALID MISSING]	-9	172	0.24%	71104	99.53%
[INVALID MISSING]	-3	333	0.47%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: hypertension_new

Label: Newly diagnosed hypertension since 9/11

Baseline Variables Used: hypertension, hypertension_before

Description: Health condition diagnosed after 9/11. HYPERTENSION_NEW is affirmative (1=YES) if HYPERTENSION (Have you ever been told by a doctor or health professional that you have hypertension?) is not equal to 2 (No) and HYPERTENSION_BEFORE (Did a doctor or health professional first tell you that you had hypertension before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	67654	94.70%	67654	94.70%
Yes	1	3142	4.40%	70796	99.10%
DON'T KNOW	-1	0	0.00%	70796	99.10%
REFUSED TO ANSWER	-2	0	0.00%	70796	99.10%
[VALID MISSING]	-9	172	0.24%	70968	99.34%
[INVALID MISSING]	-3	469	0.66%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: heart_disease_new

Label: Newly diagnosed coronary heart disease since 9/11

Baseline Variables Used: heart_disease, heart_disease_before

Description: Health condition diagnosed after 9/11. HEART_DISEASE_NEW is affirmative (1=YES) if HEART_DISEASE (Have you ever been told by a doctor or health professional that you have coronary heart disease?) is not equal to 2 (No) and HEART_DISEASE_BEFORE (Did a doctor or health professional first tell you that you had coronary heart disease before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70496	98.68%	70496	98.68%
Yes	1	406	0.57%	70902	99.25%
DON'T KNOW	-1	0	0.00%	70902	99.25%
REFUSED TO ANSWER	-2	0	0.00%	70902	99.25%
[VALID MISSING]	-9	172	0.24%	71074	99.49%
[INVALID MISSING]	-3	363	0.51%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: heart_attack_new

Label: Newly diagnosed heart attack (also called myocardial infarction) since 9/11

Baseline Variables Used: heart_attack, heart_attack_before

Description: Health condition diagnosed after 9/11. HEART_ATTACK_NEW is affirmative (1=YES) if HEART_ATTACK (Have you ever been told by a doctor or health professional that you have had a heart attack (also called myocardial infarction)?) is not equal to 2 (No) and HEART_ATTACK_BEFORE (Did a doctor or health professional first tell you that you had a heart attack (also called myocardial infarction) before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70769	99.06%	70769	99.06%
Yes	1	262	0.37%	71031	99.43%
DON'T KNOW	-1	0	0.00%	71031	99.43%
REFUSED TO ANSWER	-2	0	0.00%	71031	99.43%
[VALID MISSING]	-9	172	0.24%	71203	99.67%
[INVALID MISSING]	-3	234	0.33%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: other_heart_new

Label: Newly diagnosed other heart problem since 9/11

Baseline Variables Used: other_heart, other_heart_before

Description: Health condition diagnosed after 9/11. OTHER_HEART_NEW is affirmative (1=YES) if OTHER_HEART (Have you ever been told by a doctor or health professional that you have other heart problems?) is not equal to 2 (No) and OTHER_HEART_BEFORE (Did a doctor or health professional first tell you that you had other heart problems before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	69975	97.95%	69975	97.95%
Yes	1	925	1.29%	70900	99.25%
DON'T KNOW	-1	0	0.00%	70900	99.25%
REFUSED TO ANSWER	-2	0	0.00%	70900	99.25%
[VALID MISSING]	-9	172	0.24%	71072	99.49%
[INVALID MISSING]	-3	365	0.51%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: stroke_new

Label: Newly diagnosed stroke since 9/11

Baseline Variables Used: stroke, stroke_before

Description: Health condition diagnosed after 9/11. STROKE_NEW is affirmative (1=YES) if STROKE (Have you ever been told by a doctor or health professional that you have had a stroke?) is not equal to 2 (No) and STROKE_BEFORE (Did a doctor or health professional first tell you that you had a stroke before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70860	99.19%	70860	99.19%
Yes	1	207	0.29%	71067	99.48%
DON'T KNOW	-1	0	0.00%	71067	99.48%
REFUSED TO ANSWER	-2	0	0.00%	71067	99.48%
[VALID MISSING]	-9	172	0.24%	71239	99.72%
[INVALID MISSING]	-3	198	0.28%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: emphysema_new

Label: Newly diagnosed emphysema since 9/11

Baseline Variables Used: emphysema, emphysema_before

Description: Health condition diagnosed after 9/11. EMPHYSEMA_NEW is affirmative (1=YES) if EMPHYSEMA (Have you ever been told by a doctor or health professional that you have emphysema?) is not equal to 2 (No) and EMPHYSEMA_BEFORE (Did a doctor or health professional first tell you that you had emphysema before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70653	98.90%	70653	98.90%
Yes	1	244	0.34%	70897	99.24%
DON'T KNOW	-1	0	0.00%	70897	99.24%
REFUSED TO ANSWER	-2	0	0.00%	70897	99.24%
[VALID MISSING]	-9	172	0.24%	71069	99.48%
[INVALID MISSING]	-3	368	0.52%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: diabetes_new

Label: Newly diagnosed diabetes or sugar diabetes since 9/11

Baseline Variables Used: diabetes, diabetes_before

Description: Health condition diagnosed after 9/11. DIABETES_NEW is affirmative (1=YES) if DIABETES (Have you ever been told by a doctor or health professional that you have diabetes or sugar diabetes?) is not equal to 2 (No) and DIABETES_BEFORE (Did a doctor or health professional first tell you that you had diabetes or sugar diabetes before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70066	98.08%	70066	98.08%
Yes	1	915	1.28%	70981	99.36%
DON'T KNOW	-1	0	0.00%	70981	99.36%
REFUSED TO ANSWER	-2	0	0.00%	70981	99.36%
[VALID MISSING]	-9	172	0.24%	71153	99.60%
[INVALID MISSING]	-3	284	0.40%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: cancer_new

Label: Newly diagnosed cancer or malignancy of any kind since 9/11

Baseline Variables Used: cancer, cancer_before

Description: Health condition diagnosed after 9/11. CANCER_NEW is affirmative (1=YES) if CANCER (Have you ever been told by a doctor or health professional that you have cancer or malignancy of any kind?) is not equal to 2 (No) and CANCER_BEFORE (Did a doctor or health professional first tell you that you had cancer or malignancy of any kind before or after 9/11) is equal to 1 (Before 9/11). Note -1 and -2 (DK and REF) in the baseline variables are recoded as -3 Invalid.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	0	70106	98.14%	70106	98.14%
Yes	1	900	1.26%	71006	99.40%
DON'T KNOW	-1	0	0.00%	71006	99.40%
REFUSED TO ANSWER	-2	0	0.00%	71006	99.40%
[VALID MISSING]	-9	172	0.24%	71178	99.64%
[INVALID MISSING]	-3	259	0.36%	71437	100.00%
TOTAL				71437	100.00%

10. Physical Health Conditions Denominators (useful for point prevalence estimations in SUDAAN)

Derived Variable: asthma_den

Label: Denominator for diagnosed asthma since 9/11

Baseline Variables Used: asthma_before

Description: Denominator for health condition ASTHMA_NEW. Respondents that indicated they were ever diagnosed with asthma in ASTHMA_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70932	99.29%	70932	99.29%
DON'T KNOW	-1	0	0.00%	70932	99.29%
REFUSED TO ANSWER	-2	0	0.00%	70932	99.29%
[VALID MISSING]	-9	172	0.24%	71104	99.53%
[INVALID MISSING]	-3	333	0.47%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: hypertension_den

Label: Denominator for diagnosed hypertension since 9/11

Baseline Variables Used: hypertension_before

Description: Denominator for health condition HYPERTENSION_NEW. Respondents that indicated they were ever diagnosed with hypertension in HYPERTENSION_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70796	99.10%	70796	99.10%
DON'T KNOW	-1	0	0.00%	70796	99.10%
REFUSED TO ANSWER	-2	0	0.00%	70796	99.10%
[VALID MISSING]	-9	172	0.24%	70968	99.34%
[INVALID MISSING]	-3	469	0.66%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: heart_disease_den

Label: Denominator for diagnosed coronary heart disease since 9/11

Baseline Variables Used: heart_disease_before

Description: Denominator for health condition HEART_DISEASE_NEW. Respondents that indicated they were ever diagnosed with coronary heart disease in HEART_DISEASE_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70902	99.25%	70902	99.25%
DON'T KNOW	-1	0	0.00%	70902	99.25%
REFUSED TO ANSWER	-2	0	0.00%	70902	99.25%
[VALID MISSING]	-9	172	0.24%	71074	99.49%
[INVALID MISSING]	-3	363	0.51%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: angina_den

Label: Denominator for diagnosed angina since 9/11

Baseline Variables Used: angina_before

Description: Denominator for health condition ANGINA_NEW. Respondents that indicated they were ever diagnosed with angina in ANGINA_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70529	98.73%	70529	98.73%
DON'T KNOW	-1	0	0.00%	70529	98.73%
REFUSED TO ANSWER	-2	0	0.00%	70529	98.73%
[VALID MISSING]	-9	172	0.24%	70701	98.97%
[INVALID MISSING]	-3	736	1.03%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: heart_attack_den

Label: Denominator for diagnosed heart attack since 9/11

Baseline Variables Used: heart_attack_before

Description: Denominator for health condition HEART_ATTACK_NEW. Respondents that indicated they were ever diagnosed with a heart attack in HEART_ATTACK_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	71031	99.43%	71031	99.43%
DON'T KNOW	-1	0	0.00%	71031	99.43%
REFUSED TO ANSWER	-2	0	0.00%	71031	99.43%
[VALID MISSING]	-9	172	0.24%	71203	99.67%
[INVALID MISSING]	-3	234	0.33%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: other_heart_den

Label: Denominator for diagnosed other heart problems since 9/11

Baseline Variables Used: other_heart_before

Description: Denominator for health condition OTHER_HEART_NEW. Respondents that indicated they were ever diagnosed with other heart problems OTHER_HEART_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70900	99.25%	70900	99.25%
DON'T KNOW	-1	0	0.00%	70900	99.25%
REFUSED TO ANSWER	-2	0	0.00%	70900	99.25%
[VALID MISSING]	-9	172	0.24%	71072	99.49%
[INVALID MISSING]	-3	365	0.51%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: stroke_den

Label: Denominator for diagnosed stroke since 9/11

Baseline Variables Used: stroke_before

Description: Denominator for health condition STROKE_NEW. Respondents that indicated they were ever diagnosed with stroke in STROKE_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	71067	99.48%	71067	99.48%
DON'T KNOW	-1	0	0.00%	71067	99.48%
REFUSED TO ANSWER	-2	0	0.00%	71067	99.48%
[VALID MISSING]	-9	172	0.24%	71239	99.72%
[INVALID MISSING]	-3	198	0.28%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: emphysema_den

Label: Denominator for diagnosed emphysema since 9/11

Baseline Variables Used: emphysema_before

Description: Denominator for health condition EMPHYSEMA_NEW. Respondents that indicated they were ever diagnosed with emphysema in EMPHYSEMA_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70897	99.24%	70897	99.24%
DON'T KNOW	-1	0	0.00%	70897	99.24%
REFUSED TO ANSWER	-2	0	0.00%	70897	99.24%
[VALID MISSING]	-9	172	0.24%	71069	99.48%
[INVALID MISSING]	-3	368	0.52%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: diabetes_den

Label: Denominator for diagnosed diabetes or sugar diabetes since 9/11

Baseline Variables Used: diabetes_before

Description: Denominator for health condition DIABETES_NEW. Respondents that indicated they were ever diagnosed with diabetes or sugar diabetes in DIABETES_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	70981	99.36%	70981	99.36%
DON'T KNOW	-1	0	0.00%	70981	99.36%
REFUSED TO ANSWER	-2	0	0.00%	70981	99.36%
[VALID MISSING]	-9	172	0.24%	71153	99.60%
[INVALID MISSING]	-3	284	0.40%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable: cancer_den

Label: Denominator for diagnosed cancer or malignancy since 9/11

Baseline Variables Used: cancer_before

Description: Denominator for health condition CANCER _NEW. Respondents that indicated they were ever diagnosed with cancer or other malignancy in CANCER_BEFORE (1=before 9/11 and 2=after 9/11) are coded as 1 (Yes) in this new variable. The frequency for value=1 in the derived variable represents a denominator useful for point prevalence estimations in SUDAAN.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	1	71006	99.40%	71006	99.40%
DON'T KNOW	-1	0	0.00%	71006	99.40%
REFUSED TO ANSWER	-2	0	0.00%	71006	99.40%
[VALID MISSING]	-9	172	0.24%	71178	99.64%
[INVALID MISSING]	-3	259	0.36%	71437	100.00%
TOTAL				71437	100.00%

11. Mental Health Screenings

Derived Variable:	pdi_sum
Label:	Sum of mental health questions relating to current, probable psychological distress
Baseline Variables Used:	sad, nervous, restless, hopeless, lethargic, worthless
Description:	Summary score using the psychological distress screening scale (K6-PDI). Note this summary score only includes subjects who gave answers to all 6 questions.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	0	14642	20.50%	14642	20.50%
1	1	6074	8.50%	20716	29.00%
2	2	7802	10.92%	28518	39.92%
3	3	5710	7.99%	34228	47.91%
4	4	5817	8.14%	40045	56.06%
5	5	3906	5.47%	43951	61.52%
6	6	4168	5.83%	48119	67.36%
7	7	2783	3.90%	50902	71.25%
8	8	2794	3.91%	53696	75.17%
9	9	2068	2.89%	55764	78.06%
10	10	2045	2.86%	57809	80.92%
11	11	1598	2.24%	59407	83.16%
12	12	1829	2.56%	61236	85.72%
13	13	1172	1.64%	62408	87.36%
14	14	951	1.33%	63359	88.69%
15	15	786	1.10%	64145	89.79%
16	16	631	0.88%	64776	90.68%
17	17	504	0.71%	65280	91.38%
18	18	486	0.68%	65766	92.06%
19	19	277	0.39%	66043	92.45%
20	20	246	0.34%	66289	92.79%
21	21	149	0.21%	66438	93.00%
22	22	137	0.19%	66575	93.19%
23	23	107	0.15%	66682	93.34%
24	24	178	0.25%	66860	93.59%
DON'T KNOW	-1	0	0.00%	66860	93.59%
REFUSED TO ANSWER	-2	0	0.00%	66860	93.59%
[VALID MISSING]	-9	2648	3.71%	69508	97.30%
[INVALID MISSING]	-3	1929	2.70%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable:	ptsd_sum
Label:	Sum of mental health questions relating to current, probable post-traumatic stress disorder
Baseline Variables Used:	memories, dreams, relive, upset_remind, physical_remind, avoid_think, avoid_activities, trouble_remember, loss_interest, feel_distance, feel_numb, cut_short, trouble_sleep, feel_angry, concentrating, superalert, jumpy
Description:	Summary score using the post-traumatic stress disorder screening scale (PCL-CV). Note this summary score only includes subjects who answers to all 17 questions.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
17	17	5929	8.30%	5929	8.30%
18	18	3512	4.92%	9441	13.22%
19	19	3787	5.30%	13228	18.52%
20	20	3473	4.86%	16701	23.38%
21	21	3414	4.78%	20115	28.16%
22	22	3045	4.26%	23160	32.42%
23	23	2789	3.90%	25949	36.32%
24	24	2566	3.59%	28515	39.92%
25	25	2371	3.32%	30886	43.24%
26	26	2223	3.11%	33109	46.35%
27	27	2058	2.88%	35167	49.23%
28	28	1947	2.73%	37114	51.95%
29	29	1852	2.59%	38966	54.55%
30	30	1665	2.33%	40631	56.88%
31	31	1555	2.18%	42186	59.05%
32	32	1473	2.06%	43659	61.12%
33	33	1367	1.91%	45026	63.03%
34	34	1293	1.81%	46319	64.84%
35	35	1259	1.76%	47578	66.60%
36	36	1170	1.64%	48748	68.24%
37	37	1122	1.57%	49870	69.81%
38	38	1012	1.42%	50882	71.23%
39	39	997	1.40%	51879	72.62%
40	40	975	1.36%	52854	73.99%
41	41	876	1.23%	53730	75.21%
42	42	806	1.13%	54536	76.34%
43	43	765	1.07%	55301	77.41%
44	44	697	0.98%	55998	78.39%
45	45	675	0.94%	56673	79.33%
46	46	637	0.89%	57310	80.22%
47	47	605	0.85%	57915	81.07%
48	48	561	0.79%	58476	81.86%
49	49	526	0.74%	59002	82.59%
50	50	515	0.72%	59517	83.31%
51	51	506	0.71%	60023	84.02%
52	52	508	0.71%	60531	84.73%
53	53	412	0.58%	60943	85.31%
54	54	389	0.54%	61332	85.85%
55	55	364	0.51%	61696	86.36%
56	56	371	0.52%	62067	86.88%
57	57	337	0.47%	62404	87.36%
58	58	319	0.45%	62723	87.80%
59	59	299	0.42%	63022	88.22%
60	60	271	0.38%	63293	88.60%
61	61	255	0.36%	63548	88.96%
62	62	234	0.33%	63782	89.28%
63	63	221	0.31%	64003	89.59%
64	64	191	0.27%	64194	89.86%
65	65	213	0.30%	64407	90.16%
66	66	175	0.24%	64582	90.40%

67	67	164	0.23%	64746	90.63%
68	68	146	0.20%	64892	90.84%
69	69	131	0.18%	65023	91.02%
70	70	105	0.15%	65128	91.17%
71	71	124	0.17%	65252	91.34%
72	72	101	0.14%	65353	91.48%
73	73	94	0.13%	65447	91.61%
74	74	95	0.13%	65542	91.75%
75	75	83	0.12%	65625	91.86%
76	76	81	0.11%	65706	91.98%
77	77	62	0.09%	65768	92.06%
78	78	43	0.06%	65811	92.12%
79	79	49	0.07%	65860	92.19%
80	80	32	0.04%	65892	92.24%
81	81	35	0.05%	65927	92.29%
82	82	26	0.04%	65953	92.32%
83	83	24	0.03%	65977	92.36%
84	84	16	0.02%	65993	92.38%
85	85	45	0.06%	66038	92.44%
DON'T KNOW	-1	0	0.00%	66038	92.44%
REFUSED TO ANSWER	-2	0	0.00%	66038	92.44%
[VALID MISSING]	-9	2648	3.71%	68686	96.15%
[INVALID MISSING]	-3	2751	3.85%	71437	100.00%
TOTAL				71437	100.00%

Derived Variable:	child_ptsr_sum
Label:	Sum of mental health questions relating to current, probable post-traumatic stress response for children
Baseline Variables Used:	child_thought, child_sleep, child_nightmares, child_notthink, child_avoid, child_keepaway, child_future, child_concentrate
Description:	Summary score using a shorter version of the PCL-CV. Note these questions have been adapted from the PCL so adult proxies could answer on behalf of child subjects. For this reason, DOHMH uses the term "response" in place of "disorder". Note this sum only includes subjects who answered all 8 questions.

Label	Value	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	0	1266	1.77%	1266	1.77%
1	1	378	0.53%	1644	2.30%
2	2	160	0.22%	1804	2.53%
3	3	92	0.13%	1896	2.65%
4	4	92	0.13%	1988	2.78%
5	5	51	0.07%	2039	2.85%
6	6	20	0.03%	2059	2.88%
7	7	15	0.02%	2074	2.90%
8	8	18	0.03%	2092	2.93%
DON'T KNOW	-1	0	0.00%	2092	2.93%
REFUSED TO ANSWER	-2	0	0.00%	2092	2.93%
[VALID MISSING]	-9	68799	96.31%	70891	99.24%
[INVALID MISSING]	-3	546	0.76%	71437	100.00%
TOTAL				71437	100.00%