



## BE-DRI

### Question by Question Specifications Guide

#### Form 201: Preliminary Screening Part I

Version 06/01/04 (A)

## I. Purpose

The purpose of the **Preliminary Screening Part I** Data Form is to collect some basic demographic information as well as to confirm the eligibility criteria contained in this first part of the patient interview.

## II. Administration

### A. Materials Needed

- Form 201 with ID labels attached;
- The Nam-Powers-Terrie Occupational Status Scores (Attachment A)

### B. Window for Re-Screening of Patients

If more than 3 months transpires between completion of screening measures and intervention, all measures must be repeated to ensure current eligibility for the trial as well as to obtain current baseline values for critical measures that would be subject to change over a 3 month period.

### C. Source of Data

The patient is considered the source for data collected in Part I of the Preliminary Screening. Therefore, Data Form 201 is the source document. All elements in Part I must be collected directly from the patient by formal research interview by a certified UITN BE-DRI Interviewer. Data are recorded simultaneous to the conduct of the research interview. Medical record information may be used to supplement and/or verify data in section E.

## III. Section by Section Review for Form 201

### Section A. General Information

- A1. **Study ID Number:** Affix the patient ID label in the space provided in the A1 field and at the top of each subsequent page of the Data Form. Avoid handwriting ID numbers. Check carefully to be sure the ID number matches that recorded on the Confidential ID Assignment Log, F200 and the Visit Control Sheet.
- A2. **Visit Number:** The visit number for Form 201 is pre-coded as Visit = SCR.N.
- A3. **Date Interview Completed:** Record the date you complete the interview. Use the mm/dd/yyyy format.
- A4. **Interviewer's Initials:** The person completing the interview should record his/her initials in this data field. Enter first initial in the first space provided, middle initial in the second space provided, and last initial in the third space provided. If there is not a middle initial to record,

strike a dash in the second space. If the last name is hyphenated or if there are 2 last names, enter the initials of the first last name in the third space.

- A5. **Consent obtained:** Confirm that consent has been obtained from the patient. At a minimum, a screening consent form must be signed prior to the conduct of the Preliminary Screening measures. The DMS will not allow data entry of data without verification of completion of consent procedures.

## **Section B: Sociodemographic Information**

**Description:** Standard sociodemographic information, including ethnicity, race, education, marital status, employment, occupation, and health care benefits are gathered by self-report in Section B of the Preliminary Screening (Form 201).

### **Ethnicity and Race**

For ethnicity and racial designations, the Office of Management and Budget (OMB) Directive No. 15 defines minimum standards for maintaining, collecting and presenting data on race and Hispanic ethnicity for all federal reporting. NIH is required to use these definitions to allow comparisons to other federal databases, especially the census and national health databases.

When an Investigator is to collect data on respondent's race and ethnicity, these categories shall be used. Using respondent self-report or self-identification to collect an individual's data on ethnicity and race, Investigators should use two separate questions, with ethnicity information collected first, followed by the option to select more than one racial designation. Respondents shall be offered the opportunity to select more than one racial designation.

**Definitions:** According to the US Census Bureau, ethnicity in the US is defined as either Hispanic/Latino or NON-Hispanic/Latino (common cultural background). Race is defined as Caucasian, Asian, Black, etc. (common genetic background).

The following definitions apply for **Hispanic ethnicity**:

- **Hispanic or Latino** including persons of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
- **Not Hispanic or Latino:** Alternately, persons may report ethnic affiliation as **not Hispanic or Latino**.

The following definitions apply for **race**.

- **White or Caucasian** - a person having origins in any of the original peoples of Europe, the Middle East, or North Africa.
- **Black or African American** - a person having origins in any of the black racial groups of Africa. Terms such as "Haitian" or "Negro" can be used in addition to "Black or African American."
- **Asian** - a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. (Note: Individuals from the Philippine Islands have been recorded as Pacific Islanders in previous data collection strategies.)

- **Native Hawaiian or Other Pacific Islander** - a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- **American Indian or Alaskan Native** - a person having origins in any of the original peoples of North, Central, or South America, and who maintains tribal affiliations or community attachment.

### Socioeconomic Status

SES will be measured with the Nam-Powers-Terrie Socioeconomic Status Scores (Nam, Powers and Terrie, 1990), which ranks primary occupation on a rank of 1-100, based on the median level of education and median income associated with that occupation as derived from census data.

### Item-by-Item Specifications

**B1-B2. Ethnicity and Race:** Ask these two questions as written on the Data Form. The race question is written in such a way as to comply with the federal mandate that requires Investigators to allow all research participants to choose more than one racial category. Therefore, Interviewers must read every race choice aloud and code yes (1) or no (2) for each racial category.

**B2f. Other Race:** Note this choice appears in capital font. This indicates that it should not be read aloud to the patient but may be used if the patient mentions any racial category that is not listed above. Also, if the patient cannot or will not select from the choices offered after prompting, the Interviewer can prompt her by saying,

*“Let me assure you that eligibility for this study is not based on race. The federal government wants to be sure that women from all racial groups are invited to participate in research studies conducted using federal monies, and this is the way we report back to them about who is participating in **this** study. We will be asking the same question of all patients in this study.”*

Although a patient can refuse to answer any question, with proper prompting, we hope to avoid or minimize missing data.

**B2g. Primary Racial Background:** Ask the B2g question of any patient who responds ‘yes’ to more than one racial category. Circle the code the patient chooses as her primary racial background.

**B3. Education:** The objective of this question is to obtain the highest grade or level of school the patient has completed. For example, if the patient dropped out of high school in the 12th grade and never finished high school, then the Interviewer would code this item as code 1; LESS THAN HIGH SCHOOL. But, if the patient reports that she never finished high school but later received a GED (high school equivalency degree), this item should be coded, code 2; COMPLETED HIGH SCHOOL OR GED. Code only one response. Probe as necessary.

**B4. Current Marital Status:** Ask the question as written and read the response choices listed. Code only one response. If the patient responds she is ‘*single, never married,*’ skip to item B7.

**B5&B7. Patient’s Employment and Occupation:** Ask the primary question to determine if the patient ever worked for pay. This includes any full or part-time work. Follow the skip patterns on the Data Form.

B5a & B7a. **Occupation category:** Solicit from the patient a description of the work or occupation she held for the longest period of time. Probe **thoroughly** to get as precise a description as possible. For example, if the subject says, “I worked at the Ford Plant for 25 years,” probe, “Tell me more about the **type of work** you did there for the **longest** period of time.” Review the Nam–Powers–Terrie Socioeconomic Status Scores for a better appreciation of the occupation description needed to correctly code the occupation in B5b and B6b. A job title or the name of an employer will not allow correct coding. Other examples of incomplete or inadequate descriptions include:

- Military
- Self-employed
- Owner
- Restaurant work
- Sales
- Banking

B5b. & B7b. **Occupation Code:** Record the Nam-Powers–Terrie score using the list in Attachment A.

B6. **Spouse’s/Partner’s Occupation:** Ask the primary question to determine if the patient’s spouse/partner ever worked for pay. This includes any full or part-time work. If the patient reports more than one spouse or partner during her lifetime, instruct her to answer the question using the relationship of longest duration, not necessarily the most recent.

B6a. **Occupation Category:** Solicit from the patient a description of the work or occupation her spouse/partner held for the longest period of time. Probe **thoroughly** to get as precise a description as possible. For example, if the patient says, “He retired from the Military after 20 years,” probe, “Tell me more about the type of work your husband did for the **longest** period of time while he was in the military.”

B6b. **Occupation Code:** Record the Nam-Powers–Terrie score using the list in Attachment A.

B7. **Patient occupation:** B7 and B7a will be asked of those women who report their marital status (in B4) as *single, never married*. See the description for these question in B5 and B5a above.

B8. **Health Insurance:** Ask if the patient has health insurance or health care benefits that pay for any portion of prescription medications. If the patient replies “No” or “I Don’t Know”, skip to C1.

**B9–B12.** These questions ask about several options for insurance coverage of prescription drug costs. Typically a health insurance plan will include one of the following: payment of a deductible, a copayment, or patient payment for a percentage of the drug cost. Code the responses provided by the patient; Follow the skip patterns on the Data Form.

B11a. **Percent Paid by Patient:** Record the percentage that the patient pays for each prescription. If a deductible expenditure must be reached in order to receive this benefit, please record the percentage paid by the patient after reaching her deductible expenditure. If the patient replies “I don’t know how much I pay”, skip to C1.

**B12. Describe Health Insurance Payment for Prescription Medications:** This open-ended question is to be asked only if a patient reports that her health insurance pays for a portion of her prescription medications but then responds “No” or “I don’t know” to B11. Solicit from the patient a description of how her health insurance or health care benefits pay for any portion of her prescription medications.

### **Sections C and D: MESA Questionnaire**

**Description:** Self-reported symptoms of urinary incontinence will be collected using the UI questionnaire for the MESA (Medical, Epidemiologic, and Social Aspects of Aging) Project conducted at the University of Michigan. Agreement between the MESA questions and clinician’s assessment has been reported as 87% for women (Herzog, Diokno, Brown, Normolle, & Brock, 1990).

The MESA is used in this trial to determine if a patient has predominant urge urinary incontinence, an essential eligibility criterion. The questions solicit the patient’s description of how her urine loss usually occurs. Questions referring to urine loss preceded by an urge to void, or uncontrollable voiding with little or no warning defines urge incontinence. Questions referring to loss of urine at times of exertion such as laughing, sneezing, lifting, or bending over define stress incontinence. Symptoms associated with urine loss of both urge and stress types define “mixed” incontinence. **For purposes of this trial, predominant urge incontinence is defined as the percent of urge-type symptoms > the percent of stress-type symptoms.**

**Instructions:** Read the introductions provided in the Data Form exactly as they are written. The response scale for the MESA questions is a four-point scale where ‘Never’ is coded as 0; ‘Rarely’ is coded as 1, ‘Sometimes’ is coded as 2 and ‘Often’ is coded as 3.

### **Section C: MESA Part I: Urge Incontinence**

**C1–C6. Urge Symptoms:** The Interviewer should read the questions precisely as written in the Data Form. The response choices should also be read aloud for **every question** to be certain the patient selects from all of the available responses. An example of this follows:

Interviewer: *“Some women receive very little warning and suddenly find that they are losing, or about to lose, urine beyond their control. How often does this happen to you? Would you say never, rarely, sometimes or often?”*

Interviewer: *“If you can’t find a toilet or find that the toilet is occupied and you have an urge to urinate, how often do you end up losing urine or wetting yourself? Would you say never, rarely, sometimes or often?”*

Interviewer: *“Do you lose urine when you suddenly have the feeling that your bladder is very full? .... Never, rarely, sometimes or often?”*

Interviewer: *“Does washing your hands cause you to lose urine? ... Never, rarely, sometimes or often?”*

As a reminder, it is very common for a woman to respond to the MESA questions using terms not among the standard choices given in this measures. For example, a woman may respond, “*Oh that happens to me all the time.*” Or “*That happens frequently.*” In all cases, Interviewers should repeat the standardized choice categories from the measure, i.e. “*So, would you say never, rarely, sometimes or often?*” Furthermore, **the Interviewer should not code a ‘no’ response as ‘never’ (code 0).** The Interviewer should repeat the response choices and ask the patient to select from among **all** the choices. In such instances, it is not uncommon for a woman to make a final choice of “*rarely*” when asked to select from the full range of choices.

- C4. **Washing Hands:** A patient may report even the sound of running water may cause her to lose urine. This can be taken as the equivalent to the washing hands stimulus.
- C5. **Cold Weather:** Some women who live in warmer climates have asked for clarification for this item. If a woman responds, “*I never experience cold weather*”, you can probe “*Have you ever lost urine when you entered the freezer section of the grocery store, or when you entered a very cold, air conditioned building?*”
- C7. **Age at which Problem Began:** Record the age in years.
- C8. **Duration of Urge UI Symptoms:** If the woman responds that she has not had these urine leakage problems for at least 3 months, code NO. This woman will be ineligible but can be re-screened at a later date.
- C9. **Urge Symptoms Score:** Go back to Part I and determine the Urge Symptoms Score. Tally the column totals and grand total and record this number in the C9. The maximum number of points in the Urge Symptoms Scale is 18, i.e. 3 points for each of the 6 urge questions.  
**If the patient fails to respond to any of the urge items for any reason, the Study Coordinator should contact the BCC after completion of the interview for direction on determination of the Urge Symptoms Score.**
- C10. **Urge Index:** Use the Urge Symptoms score in C9 and the Look-Up Table provided in the Data Form to determine the Urge Index. Record the Urge Index in the space provided.

#### Section D: MESA Part II: Stress Incontinence

D1 – D9. **Stress Symptoms:** The Interviewer should read the questions precisely as written in the Data Form. The response choices should also be read aloud for **every question** to be certain the patient selects from all of the available responses. As a reminder, it is very common for women to respond to the MESA questions using terms not among the standard choices given in this measure. For example, a woman may respond, “*Oh that happens to me all the time.*” Or “*That happens frequently.*” In all cases, the Interviewer should repeat the standardized choice categories from the measure, i.e. “*So, would you say never, rarely, sometimes or often?*” Furthermore, **the Interviewer should not code a ‘no’ response as ‘never’ (code 0).** The Interviewer should repeat the response choices and ask the patient to select from among **all** the choices. In such instances, it is not uncommon for a woman to make a final choice of “*rarely*” when asked to select from the full range of choices.

- D7. **Walking Briskly:** If a patient reports she never walks briskly or jogs, you should prompt her by saying, “*Does walking or moving at a pace that is faster than your usual pace cause you to lose urine?*”
- D8. **Straining:** If a patient reports she is never constipated, you should prompt her by saying, “*Do other types of straining, such as opening a tightly closed food container or jar cause you to lose urine?*”
- D10. **Stress Symptoms Score:** Go back to Part II and determine the Stress Symptoms Score. Tally the column totals and grand total and record this number in the D10. The maximum number of points in the Stress Symptoms scale is 27, i.e. 3 points for each of the 9 stress questions. **If the patient fails to respond to any of the stress items for any reason, the Study Coordinator should contact the BCC after completion of the interview for direction on determination of the Stress Symptoms Score.**
- D11. **Stress Index:** Use the Stress Symptoms score in D10 and the Look-Up Table provided in the Data Form to determine the Stress Index. Record the Index in the space provided.
- D12. **Predominant Urge Incontinence:** Compare the Urge Index to the Stress Index and code D12 accordingly. If the Urge Index > the Stress Index, the patient is eligible to continue with the screening measures. If not, the patient is ineligible by MESA. The patient may be referred for treatment of her stress incontinence and be re-screened for eligibility at a later date. Follow the skip patterns as directed on the form. (NOTE: It is acceptable to complete the patient interview prior to completing the MESA scoring.)
- D13. **Continual leakage:** If the patient reports that she continually leaks urine or finds herself always damp, she is ineligible.
- D14. These two questions collect information about the frequency of stress UI and urge UI accidents in a 7-day period.

### Section E: Pregnancy and Future Availability

- E1. **Physically Able to Become Pregnant:** If a patient responds that she is not physically able to become pregnant, skip to E5.
- E2. **Current Pregnancy:** If the patient reports she is currently pregnant or intends to become pregnant in the next 8 months, or refuses to answer this item, she is ineligible. Skip to E9. The patient may be re-screened at a later date.
- E3. **Agreement to use Birth Control:** Ask the question as written, making sure to note the different types of birth control. If the patient is not willing to use a medically accepted form of birth control for the duration of the study, she is ineligible.

- E4. **Pregnancy within the Past 6 Months:** If the patient reports that she has been pregnant for 20 or more weeks within the past six months, she is ineligible. However, she may be eligible at a later date and can be re-screened.
- E5. **Ever Pregnant:** Ask the question and code accordingly. If the patient responds ‘no’, skip to E9.
- E6. **Number of Pregnancies:** Record the number of times the patient reports having ever been pregnant. Count all pregnancies including miscarriages and abortions. Use leading zeros as necessary.
- E7. **Number of Vaginal Deliveries:** Record the number of pregnancies (from E6) that were vaginal deliveries. If none of the patient's pregnancies were vaginal deliveries, code 00 and skip to E9.
- E8. **Weight of largest baby delivered vaginally:** Record weight as reported by the patient, i.e. as American measure or metric measure. Record American weight in whole pounds and ounces or record metric weight in whole grams. Round up at .5 or greater.
- E9. **Schedule/Availability:** Ask the question as written in the data form. Ascertain if the woman is likely to still live in the area for the next 8 months. Use a monthly calendar to aid in this determination. If the woman frequently resides in a second location, e.g. south in the winter or north in the summer, determine if her living arrangement will allow follow-ups per study schedule. If not, the woman is ineligible.

#### Section F: Other Medical History

Description: Urinary incontinence is sometimes associated with bowel incontinence. Questions F1 – F4 collect data on the extent of this problem. The patient is also asked about personal and family history of bedwetting in Questions F5 – F6. Ask the questions as written on the Data Form, and record the patient’s responses accordingly; follow skip patterns on the Data Form.

#### Section G: Summary of Eligibility Status

G1. Review codes to items C8, D12, D13, E2, E3, E4, and E9 to ascertain if the patient is still eligible to continue with the screening measures. Code *yes* or *no*. If the patient meets all eligibility criteria in this Data Form, continue with the screening measures. If not, no further measurements should be completed.



## ATTACHMENT A

### 1990 Nam-Powers-Terrie Occupational Status Scores

BE-DRI

UITN  
1990 Nam-Powers-Terrie Occupational Scores

1990 Nam-Powers-Terrie Occupational Scores	DESCRIPTION
086	Legislators
077	Chief executives and general administrators, public administration
086	Administrators and officials, public administration
082	Administrators, protective services
091	Financial managers
085	Personnel and labor relations managers
091	Purchasing managers
093	Managers, marketing, advertising, and public relations
093	Administrators, education and related fields
083	Managers, medicine and health
077	Postmasters and mail superintendents
057	Managers, food serving and lodging establishments
071	Managers, properties and real estate
083	Funeral directors
077	Managers, service organizations, n.e.c.
086	Managers and administrators, n.e.c.
085	Accountants and auditors
081	Underwriters
083	Other financial officers
094	Management analysts
080	Personnel, training, and labor relations specialists
054	Purchasing agents and buyers, farm products
065	Buyers, wholesale and retail trade except farm products
075	Purchasing agents and buyers, n.e.c.
072	Business and promotion agents
076	Construction inspectors
082	Inspectors and compliance officers, except construction
068	Management related occupations, n.e.c.
094	Architects
096	Aerospace Engineers
095	Metallurgical and materials Engineers
094	Mining Engineers

UITN  
1990 Nam-Powers-Terrie Occupational Scores

096	Petroleum Engineers
096	Chemical Engineers
096	Nuclear Engineers
095	Civil Engineers
094	Agricultural Engineers
095	Electrical and electronic Engineers
092	Industrial Engineers
094	Mechanical Engineers
092	Marine and naval architects
095	Engineers, n.e.c.
089	Surveyors and mapping scientists
094	Computer systems analysts and scientists
092	Operations and systems researchers and analysts
096	Actuaries
089	Statisticians
097	Mathematical scientists, n.e.c.
099	Physicists and astronomers
092	Chemists, except biochemists
094	Atmospheric and space scientists
097	Geologists and geodesists
093	Physical scientists, n.e.c.
083	Agricultural and food scientists
090	Biological and life scientists
086	Forestry and conservation scientists
093	Medical scientists
099	Physicians
099	Dentists
099	Veterinarians
099	Optometrists
099	Podiatrists
094	Health diagnosing practitioners, n.e.c.
081	Registered nurses
095	Pharmacists
067	Dietitians
079	Respiratory therapists

UITN  
1990 Nam-Powers-Terrie Occupational Scores

084	Occupational therapists
086	Physical therapists
088	Speech therapists
077	Therapists, n.e.c.
073	Physicians' assistants
090	Earth, environmental, and marine science teachers
098	Biological science teachers
095	Chemistry teachers
099	Physics teachers
068	Natural science teachers, n.e.c.
095	Psychology teachers
098	Economics teachers
097	History teachers
091	Political science teachers
098	Sociology teachers
098	Social science teachers, n.e.c.
094	Engineering teachers
081	Mathematical science teachers
067	Computer science teachers
099	Medical science teachers
091	Health specialties teachers
091	Business, commerce, and marketing teachers
097	Agriculture and forestry teachers
079	Art, drama, and music teachers
056	Physical education teachers
093	Education teachers
080	English teachers
063	Foreign language teachers
099	Law teachers
094	Social work teachers
089	Theology teachers
080	Trade and industrial teachers
092	Home economics teachers
092	Teachers, postsecondary, n.e.c.
090	Postsecondary teachers, subject not specified
046	Teachers, prekindergarten and kindergarten

UITN  
1990 Nam-Powers-Terrie Occupational Scores

084	Teachers, elementary school
089	Teachers, secondary school
076	Teachers, special education
060	Teachers, n.e.c.
086	Counselors, Educational and Vocational
075	Librarians
077	Archivists and curators
092	Economists
093	Psychologists
085	Sociologists
081	Social scientists, n.e.c.
094	Urban planners
077	Social workers
033	Recreation workers
080	Clergy
059	Religious workers, n.e.c.
099	Lawyers
099	Judges
078	Authors
089	Technical writers
069	Designers
055	Musicians and composers
081	Actors and directors
064	Painters, sculptors, craft-artists, and artist printmakers
063	Photographers
034	Dancers
054	Artists, performers, and related workers, n.e.c.
080	Editors and reporters
082	Public relations specialists
052	Announcers

UITN  
1990 Nam-Powers-Terrie Occupational Scores

045	Athletes
073	Clinical laboratory technologists and technicians
074	Dental hygienists
054	Health record technologists and technicians
074	Radiologic technicians
060	Licensed practical nurses
058	Health technologists and technicians, n.e.c.
080	Electrical and electronic technicians
086	Industrial engineering technicians
090	Mechanical engineering technicians
070	Engineering technicians, n.e.c.
075	Drafting occupations
066	Surveying and mapping technicians
065	Biological technicians
076	Chemical technicians
068	Science technicians, n.e.c.
093	Airplane pilots and navigators
079	Air traffic controllers
063	Broadcast equipment operators
089	Computer programmers
080	Tool programmers, numerical control
071	Legal assistants
073	Technicians, n.e.c.
066	Supervisors and Proprietors, Sales Occupations
082	Insurance sales occupations
073	Real estate sales occupations

UITN  
1990 Nam-Powers-Terrie Occupational Scores

093	Securities and financial services sales occupations
073	Advertising and related sales occupations
074	Sales occupations, other business services
094	Sales engineers
078	Sales representatives, mining, manufacturing, and wholesale
058	Sales workers, motor vehicles and boats
026	Sales workers, apparel
023	Sales workers, shoes
047	Sales workers, furniture and home furnishings
053	Sales workers, radio, TV, hi-fi, and appliances
048	Sales workers, hardware and building supplies
046	Sales workers, parts
032	Sales workers, other commodities
023	Sales counter clerks
015	Cashiers
034	Street and door-to-door sales workers
012	News vendors
025	Demonstrators, promoters and models, sales
051	Auctioneers
061	Sales support occupations, n.e.c.
068	Supervisors, general office
082	Supervisors, computer equipment operators
078	Supervisors, financial records processing
071	Chief communications operators
073	Supervisors, distribution, scheduling, and adjusting clerks
061	Computer operators
039	Peripheral equipment operators
051	Secretaries
066	Stenographers
044	Typists
045	Interviewers
037	Hotel clerks
061	Transportation ticket and reservation agents
035	Receptionists
034	Information clerks, n.e.c.

UITN  
1990 Nam-Powers-Terrie Occupational Scores

045	Classified-ad clerks
060	Correspondence clerks
051	Order clerks
055	Personnel clerks, except payroll and timekeeping
039	Library clerks
029	File clerks
054	Records clerks
048	Bookkeepers, accounting, and auditing clerks
053	Payroll and timekeeping clerks
046	Billing clerks
048	Cost and rate clerks
044	Billing, posting, and calculating machine operators
040	Duplicating machine operators
032	Mail preparing and paper handling machine operators
035	Office machine operators, n.e.c.
039	Telephone operators
040	Communications equipment operators, n.e.c.
071	Postal clerks, except mail carriers
071	Mail carriers, postal service
034	Mail clerks, except postal service
041	Messengers
053	Dispatchers
068	Production coordinators
041	Traffic, shipping, and receiving clerks
037	Stock and inventory clerks
054	Meter readers
034	Weighers, measurers, checkers, and samplers
039	Expeditors
037	Material recording, scheduling, and distributing clerks, n.e.c.
067	Insurance adjusters, examiners, and investigators
060	Investigators and adjusters, except insurance



UITN  
1990 Nam-Powers-Terrie Occupational Scores

058	Eligibility clerks, social welfare
055	Bill and account collectors
041	General office clerks
040	Bank tellers
053	Proofreaders
047	Data-entry keyers
061	Statistical clerks
035	Teachers' aides
062	Administrative support occupations, n.e.c.
007	Launderers and ironers
008	Cooks, private household
007	Housekeepers and butlers
013	Child care workers, private household
005	Private household cleaners and servants
085	Supervisors, firefighting and fire prevention occupations
086	Supervisors, police and detectives
068	Supervisors, guards
069	Fire inspection and fire prevention occupations
078	Firefighting occupations
082	Police and detectives, public service
073	Sheriffs, bailiffs, and other law enforcement officers
062	Correctional institution officers
013	Crossing guards
042	Guards and police, except public service
025	Protective service occupations, n.e.c.
034	Supervisors, food preparation and service occupations
034	Bartenders
023	Waiters and waitresses
008	Cooks
001	Food counter, fountain and related occupations
013	Kitchen workers, food preparation
001	Waiters'/waitresses' assistants
003	Miscellaneous food preparation occupations

UITN  
1990 Nam-Powers-Terrie Occupational Scores

045	Dental assistants
033	Health aides, except nursing
028	Nursing aides, orderlies, and attendants
047	Supervisors, cleaning and building service workers
008	Maids and housemen
016	Janitors and cleaners
030	Elevator operators
046	Pest control occupations
045	Supervisors, personal service occupations
035	Barbers
032	Hairdressers and cosmetologists
022	Attendants, amusement and recreation facilities
041	Guides
015	Ushers
069	Public transportation attendants
038	Baggage porters and bellhops
033	Welfare service aides
020	Family child care providers
023	Early childhood teacher's assistants
020	Child care workers, n.e.c.
026	Personal service occupations, n.e.c.
038	Farmers, except horticultural
044	Horticultural specialty farmers
040	Managers, farms, except horticultural
056	Managers, horticultural specialty farms
043	Supervisors, farm workers
007	Farm workers
023	Marine life cultivation workers
014	Nursery workers
055	Supervisors, related agricultural occupations

UITN  
1990 Nam-Powers-Terrie Occupational Scores

015	Groundskeepers and gardeners, except farm
029	Animal caretakers, except farm
004	Graders and sorters, agricultural products
033	Inspectors, agricultural products
048	Supervisors, forestry and logging workers
028	Forestry workers, except logging
016	Timber cutting and logging occupations
047	Captains and other officers, fishing vessels
023	Fishers
032	Hunters and trappers
070	Supervisors, mechanics and repairers
041	Automobile mechanics
032	Automobile mechanic apprentices
047	Bus, truck, and stationary engine mechanics
075	Aircraft engine mechanics
039	Small engine repairers
034	Automobile body and related repairers
070	Aircraft mechanics, except engine
054	Heavy equipment mechanics
039	Farm equipment mechanics
053	Industrial machinery repairers
046	Machinery maintenance occupations
064	Electronic repairers, communications and industrial equipment
080	Data processing equipment repairers
051	Household appliance and power tool repairers
071	Telephone line installers and repairers
070	Telephone installers and repairers
066	Miscellaneous electrical and electronic equipment repairers
053	Heating, air conditioning, and refrigeration mechanics
062	Camera, watch, and musical instrument repairers
053	Locksmiths and safe repairers
064	Office machine repairers
059	Mechanical controls and valve repairers

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069	Elevator installers and repairers
060	Millwrights
050	Specified mechanics and repairers, n.e.c.
049	Not specified mechanics and repairers
044	Supervisors, brickmasons, stonemasons, and tile setters
059	Supervisors, carpenters and related workers
074	Supervisors, electricians and power transmission installers
045	Supervisors, painters, paperhangers, and plasterers
061	Supervisors, plumbers, pipefitters, and steamfitters
063	Supervisors, construction, n.e.c.
032	Brickmasons and stonemasons
021	Brickmason and stonemason apprentices
036	Tile setters, hard and soft
030	Carpet installers
040	Carpenters
029	Carpenter apprentices
028	Drywall installers
063	Electricians
043	Electrician apprentices
065	Electrical power installers and repairers
027	Painters, construction and maintenance
041	Paperhangers
031	Plasterers
050	Plumbers, pipefitters, and steamfitters
043	Plumber, pipefitter, and steamfitter apprentices
026	Concrete and terrazzo finishers
045	Glaziers
039	Insulation workers
025	Paving, surfacing, and tamping equipment operators
016	Roofers
046	Sheetmetal duct installers
048	Structural metal workers
037	Drillers, earth
031	Construction trades, n.e.c.
069	Supervisors, extractive occupations

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035	Drillers, oil well
044	Explosives workers
046	Mining machine operators
039	Mining occupations, n.e.c.
065	Supervisors, production occupations
066	Tool and die makers
053	Tool and die maker apprentices
046	Precision assemblers, metal
055	Machinists
050	Machinist apprentices
055	Boilermakers
050	Precision grinders, filers, and tool sharpeners
069	Patternmakers and model makers, metal
049	Lay-out workers
039	Precious stones and metals workers (Jewelers)
046	Engravers, metal
052	Sheet metal workers
044	Sheet metal worker apprentices
038	Miscellaneous precision metal workers
069	Patternmakers and model makers, wood
041	Cabinet makers and bench carpenters
029	Furniture and wood finishers
039	Miscellaneous precision woodworkers
020	Dressmakers
023	Tailors
025	Upholsterers
021	Shoe repairers
028	Miscellaneous precision apparel and fabric workers
042	Hand molders and shapers, except jewelers
064	Patternmakers, lay-out workers, and cutters
049	Optical goods workers
064	Dental laboratory and medical appliance technicians
032	Bookbinders
031	Electrical and electronic equipment assemblers

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042	Miscellaneous precision workers, n.e.c.
032	Butchers and meat cutters
025	Bakers
024	Food batchmakers
062	Inspectors, testers, and graders
059	Adjusters and calibrators
061	Water and sewage treatment plant operators
075	Power plant operators
072	Stationary engineers
066	Miscellaneous plant and system operators
046	Lathe and turning machine set-up operators
045	Lathe and turning machine operators
044	Milling and planing machine operators
034	Punching and stamping press machine operators
044	Rolling machine operators
032	Drilling and boring machine operators
034	Grinding, abrading, buffing, and polishing machine operators
044	Forging machine operators
060	Numerical control machine operators
044	Miscellaneous metal, plastic, stone, and glass working machine operators
028	Fabricating machine operators, n.e.c.
036	Molding and casting machine operators
039	Metal plating machine operators
046	Heat treating equipment operators
024	Miscellaneous metal and plastic processing machine operators
033	Wood lathe, routing, and planing machine operators
020	Sawing machine operators
019	Shaping and joining machine operators
013	Nailing and tacking machine operators
026	Miscellaneous woodworking machine operators

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049	Printing press operators
062	Photoengravers and lithographers
052	Typesetters and compositors
035	Miscellaneous printing machine operators
019	Winding and twisting machine operators
021	Knitting, looping, taping, and weaving machine operators
019	Textile cutting machine operators
012	Textile sewing machine operators
012	Shoe machine operators
013	Pressing machine operators
011	Laundering and dry cleaning machine operators
021	Miscellaneous textile machine operators
018	Cementing and gluing machine operators
018	Packaging and filling machine operators
040	Extruding and forming machine operators
041	Mixing and blending machine operators
061	Separating, filtering, and clarifying machine operators
030	Compressing and compacting machine operators
033	Painting and paint spraying machine operators
042	Roasting and baking machine operators, food
023	Washing, cleaning, and pickling machine operators
017	Folding machine operators
049	Furnace, kiln, and oven operators, except food
027	Crushing and grinding machine operators
023	Slicing and cutting machine operators
043	Motion picture projectionists
040	Photographic process machine operators
034	Miscellaneous machine operators, n.e.c.
034	Machine operators, not specified
041	Welders and cutters
025	Solderers and brazers
028	Assemblers
011	Hand cutting and trimming occupations
040	Hand molding, casting, and forming occupations

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034	Hand painting, coating, and decorating occupations
032	Hand engraving and printing occupations
021	Miscellaneous hand working occupations
043	Production inspectors, checkers, and examiners
055	Production testers
029	Production samplers and weighers
015	Graders and sorters, except agricultural
066	Supervisors, motor vehicle operators
040	Truck drivers
052	Driver-sales workers
033	Bus drivers
038	Taxicab drivers and chauffeurs
027	Parking lot attendants
034	Motor transportation occupations, n.e.c.
069	Railroad conductors and yardmasters
069	Locomotive operating occupations
066	Railroad brake, signal, and switch operators
063	Rail vehicle operators, n.e.c.
062	Ship captains and mates, except fishing boats
035	Sailors and deckhands
064	Marine engineers
047	Bridge, lock, and lighthouse tenders
061	Supervisors, material moving equipment operators
041	Operating engineers
052	Longshore equipment operators
036	Hoist and winch operators
048	Crane and tower operators
037	Excavating and loading machine operators
031	Grader, dozer, and scraper operators
035	Industrial truck and tractor equipment operators
038	Miscellaneous material moving equipment operators
055	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.



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018	Helpers, mechanics, and repairers
013	Helpers, construction trades
038	Helpers, surveyor
036	Helpers, extractive occupations
023	Construction laborers
020	Production helpers
020	Garbage collectors
042	Stevedores
009	Stock handlers and baggers
023	Machine feeders and offbearers
030	Freight, stock, and material handlers, n.e.c.
014	Garage and service station related occupations
010	Vehicle washers and equipment cleaners
016	Hand packers and packagers
022	Laborers, except construction
068	Commissioned officers and warrant officer, Reserves/Guard or in last job held
034	Non-commissioned officers and other enlisted personnel, Reserves/Guard or in last job held
039	Military occupation, rank not specified, Reserve/Guard or in last job held
008	Unemployed, last worked 1984 or earlier