

# Table: WVU de-identified Survey Demographic Data and Social History

Table: WVU\_Demographics

## Keys: 1

| Title         | Fields        |
|---------------|---------------|
| Table Keys:   | ParticipantID |
| Foreign Keys: |               |

## Fields: 85

| Field                          | Type       | Description                                  | Presentation   |
|--------------------------------|------------|--|--|
| ParticipantID                  | INTEGER    | Unique Participant ID                        |  |
| YearOfBirth                    | String*12  | Participant Date of Birth                    |  |
| Gender                         | TINYINT    | Participant's Gender                         | <b>List: 2 entries</b><br>1= Female<br>2= Male   |
| ParticipantStatedWaterSource   | String*50  | Participant stated qualifying water source   |  |
| ParticipantStatedQualification | String*150 | Water source qualification description       |  |
| PartCategoryID                 | TINYINT    | Category of participant's involvement        | <b>List: 3 entries</b><br>1= No Lab Results<br>2= Chemical Analysis Only Lab Results<br>3= Chemical and Clinical Lab Results   |
| MainLifeOccupation             | String*255 | Main lifetime occupation                     |  |
| CurrentEmploymentStatus        | TINYINT    | Current Employment Status                    | <b>List: 14 entries</b><br>0= No Response<br>1= Employed<br>2= Homemaker<br>3= Retired<br>4= Unemployed<br>5= Laid off<br>6= Student<br>7= Permanently disabled, acquired<br>8= Temporarily disabled, acquired<br>9= Duration of disability unknown, acquired<br>10= Permanently disabled, not acquired<br>11= Temporarily disabled, not acquired<br>12= Duration of disability unknown, not acquired<br>13= Other |
| OtherEmploymentDescription     | String*255 | Description of employment status, if 'other' |  |
| CityOfBirth                    | String*40  | City of Birth                                |  |
| StateOfBirth                   | String*2   | State of Birth                               |  |
| CountryOfBirth                 | String*40  | Country of Birth                             |  |
| MaritalStatus                  | TINYINT    | Marital Status                               | <b>List: 7 entries</b><br>0= No Response<br>1= Single<br>2= Married<br>3= Divorced<br>4= Separated<br>5= Widowed<br>6= Living with Partner   |
| Ethnicity_White                | TINYINT    | Ethnicity- White                             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| Ethnicity_Black                | TINYINT    | Ethnicity- Black                             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| Ethnicity_Hispanic             | TINYINT    | Ethnicity- Hispanic                          | <b>List: 2 entries</b><br>0= No<br>1= Yes  |

|                             |            |   |  |
|-----------------------------|------------|---|--|
| Ethnicity_Asian             | TINYINT    | Ethnicity-Asian                                     | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| Ethnicity_AmericanIndian    | TINYINT    | Ethnicity- American Indian                          | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| Ethnicity_Other             | TINYINT    | Ethnicity- Other                                    | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| OtherEthnicityDescription   | String*255 | Decription of ethnicity, if 'other'                 |  |
| AvgHouseholdIncome          | TINYINT    | Average Household Income                            | <b>List: 9 entries</b><br>1= Less than 10,000<br>2= 10,001 to 20,000<br>3= 20,001 to 30,000<br>4= 30,001 to 40,000<br>5= 40,001 to 50,000<br>6= 50,001 to 60,000<br>7= 60,001 to 70,000<br>8= Greater than 70,000<br>9= Don't Know |
| YearsSchoolCompleted        | TINYINT    | Number of Years of School Completed                 | <b>List: 5 entries</b><br>0= No Response<br>1= Less than 12 years<br>2= HS Diploma or GED<br>3= Some college<br>4= Bachelors degree or higher  |
| HaveEverSmokedCigarettes    | TINYINT    | Participant Has smoked cigarettes                   | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| CurrentlySmokeCigarettes    | TINYINT    | Currently smoke cigarettes                          | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| AvgCigarettesPerDay         | TINYINT    | Number of cigarettes per day smoked                 | <b>List: 8 entries</b><br>1= Less than One cigarette<br>2= A few cigarettes<br>3= Half a pack<br>4= About 1 pack<br>5= 1 to 2 packs<br>6= 2 to 3 packs<br>7= More than 3 packs<br>8= Don't Know/ Not sure                          |
| AgeStartedCigarettes        | String*8   | Age participant started smoking cigarettes          |  |
| AgeQuitCigarettes           | String*8   | Age participant quit smoking cigarettes             |  |
| NumberYearsSmokedCigarettes | String*8   | Number of years participant has smoked              |  |
| NumberYearsSmokedBeforeQuit | String*8   | Total number of years participant smoked cigarettes |  |
| HaveEverUsedOtherTobacco    | TINYINT    | Have ever used other forms of tobacco               | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| CurrentlyUseOtherTobacco    | TINYINT    | Currently use other froms of tobacco                | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| SmokePipe                   | TINYINT    | Other form option: Pipe                             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SmokeCigar                  | TINYINT    | Other form option: Cigar                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| ChewTobacco                 | TINYINT    | Other form option: Chewing Tobacco                  | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| UseSmokelessTobacco         | TINYINT    | Other form option: Smokeless tobacco                | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| OtherKnownFormOfTobacco     | TINYINT    | Other form option: Other                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |

|                                  |            |  |  |
|----------------------------------|------------|--|--|
| OtherUnknownFormOfTobacco        | TINYINT    | Other form option: Unsure or don't know                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| OtherFormOfTobaccoDescription    | String*255 | Decription of tobacco type, if 'other'                             |  |
| NumberYearsUsedOtherTobacco      | String*8   | Number of years using tobacco other than cigarettes if still using |  |
| NumberYearsUsedBeforeQuit        | String*8   | Number of years using tobacco other than cigarettes if quit        |  |
| NumberTimesTriedtoQuitAllTobacco | String*8   | Number of times participant quit or tried to quit using tobacco    |  |
| TotalNumberYearsUsedOtherTobacco | String*8   | Total years other tobacco products have been used                  |  |
| CurrentlyDrinkAlcohol            | TINYINT    | Participant currently drinks alcohol                               | <b>List: 3 entries</b><br>0= No Response<br>1= Yes<br>2= no  |
| HaveEverDrankAlcohol             | TINYINT    | Participant has consumed alcohol at any time                       | <b>List: 3 entries</b><br>0= No Response<br>1= Yes<br>2= No  |
| AvgAlcoholConsumption            | TINYINT    | Range of consumption rate  | <b>List: 7 entries</b><br>1= Less than 1 drink per month<br>2= Less than 1 drink per week<br>3= A few drinks per week<br>4= 1-3 drinks per day<br>5= 3-5 drinks per day<br>6= Over 5 drinks per day<br>7= Don't Know |
| NumberYearsSinceQuitAlcohol      | TINYINT    | Years since participant ceased drinking                            | <b>List: 4 entries</b><br>0= No Response<br>1= Less than 5 years ago<br>2= More than 5 years ago<br>3= Don't Know  |
| AreVegetarian                    | TINYINT    | Participant is vegetarian  | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| GrowOwnVegetables                | TINYINT    | Participant grows vegetables                                       | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| HaveRegularExerciseProgram       | TINYINT    | Participant exercises regularly                                    | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| FrequencyOfExercise              | TINYINT    | Frequency of exercise  | <b>List: 5 entries</b><br>0= No Response<br>1= Once a week<br>2= Two or three times a week<br>3= Four to six times a week<br>4= Seven or more times a week   |
| DurationOfExercise               | TINYINT    | Duration of exercise per session                                   | <b>List: 6 entries</b><br>0= No Response<br>1= Less than 10 minutes<br>2= 10 - 20 minutes<br>3= 20 - 40 minutes<br>4= 40 - 60 minutes<br>5= More than 1 hour   |
| TypeOfExercise                   | TINYINT    | Category of exercise   | <b>List: 4 entries</b><br>1= Cardiovascular<br>2= Weight Lifting<br>3= Both cardo and weight lifting<br>4= Don't Know  |
| ServedInMilitary                 | TINYINT    | Participant has served in the military                             | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| BranchOfMilitary                 | TINYINT    | Branch of service  | <b>List: 13 entries</b><br>0= No response<br>1= Army<br>2= Navy<br>3= Marines<br>4= Air Force<br>5= Merchant Marine<br>6= Coast Guard  |

|                              |            |  |  |
|------------------------------|------------|--|--|
|                              |            |  | 7= National Guard  |
|                              |            |  | 8= Army Reserve  |
|                              |            |  | 9= Navy Reserve  |
|                              |            |  | 10= Marine Reserve   |
|                              |            |  | 11= Air Force Reserve  |
|                              |            |  | 12= Coast Guard Reserve  |
| EnteredServiceYear           | String*8   | Year entered into service                          |  |
| ExitServiceYear              | String*8   | Year initial service ended                         |  |
| PrimaryServiceRole           | String*255 | Primary role in military                           |  |
| ExposedToHarmfulChemicals    | TINYINT    | Participant exposed to harmful chemicals or agents | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| ListOfChemicalsOrAgents      | String*255 | List of known exposure chemicals                   |  |
| HaveServiceRelatedDisability | TINYINT    | Participant has service-related disability(ies)    | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| DomesticPostings             | String*255 | List of domestic posting locations                 |  |
| PostedOverseas               | TINYINT    | Participant was posted overseas                    | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| OverseasPostings             | String*255 | List of overseas posting locations                 |  |
| ServedMoreThanOnce           | TINYINT    | Participant enlisted more than once                | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| PastService1Branch           | TINYINT    | 1st reenlistment branch of service                 | <b>List: 13 entries</b><br>0= No response<br>1= Army<br>2= Navy<br>3= Marine corps<br>4= Air Force<br>5= Merchant marine<br>6= Coast Guard<br>7= National Guard<br>8= Army Reserve<br>9= Navy Reserve<br>10= Marine reserve<br>11= A.F. Reserve<br>12= C. G. Reserve |
| PastService1StartYear        | String*8   | Year 1st reenlistment began                        |  |
| PastService1EndYear          | String*8   | Year 1st reenlistment ended                        |  |
| PastService2Branch           | TINYINT    | 2nd reenlistment branch of service                 | <b>List: 13 entries</b><br>0= No response<br>1= Army<br>2= Navy<br>3= Marine Corps<br>4= Air Force<br>5= Merchant marine<br>6= Coast Guard<br>7= National Guard<br>8= Army Reserve<br>9= Navy Reserve<br>10= Marine Reserve<br>11= A.F. Reserve<br>12= C. G. Reserve |
| PastService2StartYear        | String*8   | Year 2nd reenlistment began                        |  |
| PastService2EndYear          | String*8   | Year 2nd reenlistment ended                        |  |
| PastService3Branch           | TINYINT    | 3rd reenlistment branch of service                 | <b>List: 13 entries</b><br>0= No response<br>1= Army<br>2= Navy<br>3= Marine Corps<br>4= Air Force<br>5= Merchant marine<br>6= Coast Guard<br>7= National Guard  |

8= Army Reserve  
 9= Navy Reserve  
 10= Marine Reserve  
 11= A. F. Reserve  
 12= C. G. Reserve

|                             |           |   |   |
|-----------------------------|-----------|---|---|
| PastService3StartYear       | String*8  | Year 3rd reenlistment began                                   |   |
| PastService3EndYear         | String*8  | Year 3rd reenlistment ended                                   |   |
| LabVisitDate                | String*25 | Visit Date-time   |   |
| ParticipantHeight           | String*25 | Height  |   |
| ParticipantWeight           | String*20 | Weight  |   |
| EatenInLast6Hours           | TINYINT   | Have you eaten in the last 6 hours                            | <b>List: 3 entries</b><br>0= No Answer<br>1= No<br>2= Yes |
| TimeofLastMeal              | String*10 | Time you last ate   |   |
| BloodPressure               | String*20 | Blood pressure measurement                                    |   |
| CurrentlyMenstruating       | TINYINT   | Are you currently menstruating                                | <b>List: 3 entries</b><br>0= No Answer<br>1= No<br>2= Yes |
| DonatedBloodinLastMonth     | TINYINT   | Have you donated blood in the last month                      | <b>List: 3 entries</b><br>0= No Answer<br>1= No<br>2= Yes |
| ConsumedAlcoholinLast3Days  | TINYINT   | Have you consumed alcohol in the last 3 days                  | <b>List: 3 entries</b><br>0= No Answer<br>1= No<br>2= Yes |
| SciencePanelConsentSigned   | TINYINT   | Participant signed Science Panel consent form                 | <b>List: 2 entries</b><br>0= No<br>1= Yes                 |
| AgreedToSciencePanelRelease | TINYINT   | Participant agreed to release of information to science panel | <b>List: 2 entries</b><br>0= No<br>1= Yes                 |
| AgreedToSciencePanelLink    | TINYINT   | Participant agreed to information link for science panel      | <b>List: 2 entries</b><br>0= No<br>1= Yes                 |

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# Table: WVU de-identified Survey Residential History

Table: WVU\_Residence

## Keys: 2

| Title                | Fields                        |
|----------------------|-------------------------------|
| <b>Table Keys:</b>   | ParticipantID, ReferenceOrder |
| <b>Foreign Keys:</b> |                               |

## Fields: 21

| Field                    | Type      | Description                             | Presentation  |
|--------------------------|-----------|---|---|
| ParticipantID            | INTEGER   | Unique Participant ID                   |   |
| ReferenceOrder           | TINYINT   | Multiple Record Index                   |   |
| City                     | String*40 | City                                    |   |
| State                    | String*2  | State                                   |   |
| Country                  | String*40 | Country                                 |   |
| Zip                      | String*22 | Zip Code                                |   |
| StartYear                | String*8  | Moved In: Year                          |   |
| EndYear                  | String*8  | Moved Out: Year                         |   |
| DrinkingWaterSource      | TINYINT   | main source of drinking water           | <b>List: 4 entries</b><br>1= Public<br>2= Private<br>3= Bottled<br>4= Don't Know  |
| DrinkingSourceStartMonth | TINYINT   | Drinking bottled water: start month     | <b>List: 13 entries</b><br>1= Unknown<br>2= January<br>3= February<br>4= March<br>5= April<br>6= May<br>7= June<br>8= July<br>9= August<br>10= September<br>11= October<br>12= November<br>13= December |
| DrinkingSourceStartYear  | String*8  | Drinking bottled water: start year      |   |
| CookingWaterSource       | TINYINT   | Main source of cooking water            | <b>List: 4 entries</b><br>1= Public<br>2= Private<br>3= Bottled<br>4= Don't Know  |
| CookingSourceStartMonth  | TINYINT   | Cooking with bottled water: start month | <b>List: 13 entries</b><br>1= Unknown<br>2= January<br>3= February<br>4= March<br>5= April  |

- 6= May
- 7= June
- 8= July
- 9= August
- 10= September
- 11= October
- 12= November
- 13= December

CookingSourceStartYear String\*8 Cooking with bottled water: start year

BathingWaterSource TINYINT Main source of bathing water

**List: 4 entries**

- 1= Public
- 2= Private
- 3= Bottled
- 4= Don't Know

PrivateWellTested TINYINT If 'Private' water source selected has the private well been tested

**List: 3 entries**

- 1= Yes
- 2= No
- 3= Don't Know

PrivateWellC8Level String\*30 C8 level found in the well

PrivateWellTestedMonth TINYINT Month private well was tested

**List: 13 entries**

- 1= Unknown
- 2= January
- 3= February
- 4= March
- 5= April
- 6= May
- 7= June
- 8= July
- 9= August
- 10= September
- 11= October
- 12= November
- 13= December

PrivateWellTestedYear String\*8 Year private well was tested

WaterDistrict TINYINT If water source was/is public, select district

**List: 8 entries**

- 1= City of Belpre, OH
- 2= Tupper Plains
- 3= Little Hocking Water Association
- 4= Lubeck Public Service District
- 5= Mason County
- 6= Village of Pomeroy
- 7= Some Other water district
- 8= Don't Know/ Not Sure

WaterDistrictDescription String\*255 Name or description of water district if 'other'

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# Table: WVU de-identified Survey Employment History

Table: WVU\_Employment

**Keys: 2**

| Title                | Fields                        |
|----------------------|-------------------------------|
| <b>Table Keys:</b>   | ParticipantID, ReferenceOrder |
| <b>Foreign Keys:</b> |                               |

**Fields: 38**

| Field                          | Type       | Description                                     | Presentation   |
|--------------------------------|------------|---|--|
| ParticipantID                  | INTEGER    | Unique Participant ID                           |  |
| ReferenceOrder                 | TINYINT    | Multiple Record Index                           |  |
| TypeOfBusiness                 | String*255 | Principal kind of business                      |  |
| City                           | String*50  | City of company                                 |  |
| State                          | String*2   | State of company                                |  |
| EmploymentStartYear            | String*8   | Year employment began                           |  |
| EmploymentEndYear              | String*8   | Year employment ended                           |  |
| YourJob                        | String*255 | Title or category of work performed             |  |
| MostImportantActivities        | String*255 | Description of work duties                      |  |
| ExposedToHarmfulChemicals      | TINYINT    | Participant exposed to chemicals at work        | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know/Not Sure  |
| ListOfChemicalsOrAgents        | String*255 | List of chemicals if exposed                    |  |
| HadPublicWaterSource           | TINYINT    | Water source: Public                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SourceOfPublicWater            | TINYINT    | Select water district, if public                | <b>List: 8 entries</b><br>1= City of Belpre, OH<br>2= Tupper's Plains<br>3= Little Hocking Water Association<br>4= Lubeck Public Service district<br>5= Mason county<br>6= Village of Pomeroy<br>7= Other<br>8= Don't Know |
| DescriptionOfOtherPublicSource | String*255 | Description or name of water source, if 'other' |  |
| HadPrivateWaterSource          | TINYINT    | Water source: Private                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| HadBottledWaterSource          | TINYINT    | Water source: Bottled                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| OtherOrSourceNotKnown          | TINYINT    | Water Source: Unknown                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| PowerPlant                     | TINYINT    | Work environment: Power plant                   | <b>List: 2 entries</b>   |



|                                  |         |  |   |
|----------------------------------|---------|--|---|
| Refinery                         | TINYINT | Work environment: Refinery                     | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| MetalRefining                    | TINYINT | Work environment: Metal Refining               | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| ExplosivesOrNitrateManufacturing | TINYINT | Work environment: Explosives/Nitrates          | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| PharmaceuticalsOrChemicals       | TINYINT | Work environment: Pharmaceuticals or chemicals | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| ManufactureOrUseOfDyes           | TINYINT | Work environment: Manufacture or Dyes          | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| RubberOrPlastics                 | TINYINT | Work environment: Rubber or Plastic Industry   | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| DryCleaning                      | TINYINT | Work environment: Dry Cleaning                 | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| TextileManufacture               | TINYINT | Work environment: Textile Mnfg                 | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| PhotographyOrGraphicArts         | TINYINT | Work environment: photo or graphic arts        | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| CausticSolvents                  | TINYINT | Work environment: Solvents                     | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| TypesettingOrPrinting            | TINYINT | Work environment: Typesetting                  | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| BuildElectronics                 | TINYINT | Work environment: Electronics Mnfg             | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| GasStation                       | TINYINT | Work environment: Gas Station                  | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| ChemicalManufacture              | TINYINT | Work environment: Manufacture of chemicals     | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| Fluorocarbons                    | TINYINT | Work environment: Fluorocarbons                | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| Chlorofluorocarbons              | TINYINT | Work environment: Chloroflorocarbons           | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| UndergroundMining                | TINYINT | Work environment: Underground Mining           | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| CoalPreparation                  | TINYINT | Work environment: Coal Preparation             | 0= No<br>1= Yes<br><b>List: 2 entries</b> |

|                      |         |  |   |
|----------------------|---------|--|---|
| TimberOrWoodIndustry | TINYINT | Work environment: Timber/wood products | <b>List: 2 entries</b><br>0= No<br>1= Yes |
|----------------------|---------|--|---|

|                            |            |  |
|----------------------------|------------|--|
| OtherEmploymentInformation | String*255 | Work environment: Describe if not listed |
|----------------------------|------------|--|

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# Table: Participant Medical History

Table: Personal Medical History

## Keys: 1

| Title         | Fields        |
|---------------|---------------|
| Table Keys:   | ParticipantID |
| Foreign Keys: |               |

## Fields: 236

| Field                             | Type    | Description   | Presentation   |
|-----------------------------------|---------|---|--|
| ParticipantID                     | INTEGER | Unique Participant ID                                 |  |
| Diagnosed_Mumps                   | TINYINT | Have had the Mumps                                    | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know |
| Diagnosed_ChickenPox              | TINYINT | Have had Chicken Pox                                  | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know |
| Diagnosed_Measles                 | TINYINT | Have had the Measles                                  | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know |
| Diagnosed_Addisons                | TINYINT | Participant diagnosed with Addison's Disease          | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| Diagnosed_Alzheimers              | TINYINT | Participant diagnosed with Alzheimer's                | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| Diagnosed_AmyotropicLS            | TINYINT | Participant diagnosed with Amyotropic LS              | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| Diagnosed_Anemia                  | TINYINT | Participant diagnosed with Anemia                     | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| AnemiaType_WhiteBloodCells        | TINYINT | Type of Anemia: white blood cell related              | <b>List: 3 entries</b><br>0= No<br>1= Yes<br>2= Don't Know |
| AnemiaType_RedBloodCells          | TINYINT | Type of Anemia: red blood cell related                | <b>List: 3 entries</b><br>0= No<br>1= Yes<br>2= Don't Know |
| AnemiaType_Platelets              | TINYINT | Type of Anemia: platelet related                      | <b>List: 3 entries</b><br>0= No<br>1= Yes<br>2= Don't Know |
| AnemiaType_Other                  | TINYINT | Type of Anemia: other or unknown                      | <b>List: 3 entries</b><br>0= No<br>1= Yes<br>2= Don't Know |
| Diagnosed_Aneurysm                | TINYINT | Participant diagnosed with an Aneurysm                | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| Diagnosed_Asthma                  | TINYINT | Participant diagnosed with Asthma                     | <b>List: 2 entries</b><br>0= No<br>1= Yes                  |
| Diagnosed_CerebrovascularAccident | TINYINT | Participant diagnosed with a Cerebrovascular accident | <b>List: 2 entries</b>                                     |

|                             |            |  |   |
|-----------------------------|------------|--|---|
| Diagnosed_ChronicBronchitis | TINYINT    | Participant diagnosed with Chronic bronchitis  | 0= No<br>1= Yes<br><b>List: 2 entries</b>   |
| Diagnosed_COPD              | TINYINT    | Participant diagnosed with COPD                | 0= No<br>1= Yes<br><b>List: 2 entries</b>   |
| Diagnosed_Cushings          | TINYINT    | Participant diagnosed with Cushing's           | 0= No<br>1= Yes<br><b>List: 2 entries</b>   |
| Diagnosed_Diabetes          | TINYINT    | Participant diagnosed with Diabetes            | 0= No<br>1= Yes<br><b>List: 2 entries</b>   |
| Diabetes_Age                | String*8   | Age at time of diabetes diagnose               |   |
| Diabetes_Type               | TINYINT    | Diabetes Type                                  | <b>List: 4 entries</b><br>0= No Response<br>1= Type I<br>2= Type II<br>3= Type unknown  |
| Diagnosed_Emphysema         | TINYINT    | Participant diagnosed with Emphysema           | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| Diagnosed_Mono              | TINYINT    | Participant diagnosed with Mono (Epstein Barr) | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| Diagnosed_Fibromyalgia      | TINYINT    | Participant diagnosed with Fibromyalgia        | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| Diagnosed_HeartDisease      | TINYINT    | Participant diagnosed with heart disease       | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| FirstHeartDisease_Type      | TINYINT    | Type of heart disease- 1st occurrence          | <b>List: 5 entries</b><br>0= None<br>1= Myocardial Infarction<br>2= Arteriosclerosis<br>3= Coronary Artery Disease<br>4= Other heart disease  |
| SecondHeartDisease_Type     | TINYINT    | Type of heart disease- 2nd occurrence          | <b>List: 5 entries</b><br>0= None<br>1= Myocardial Infarction<br>2= Arteriosclerosis<br>3= Coronary Artery Disease<br>4= Other heart disease  |
| ThirdHeartDisease_Type      | TINYINT    | Type of heart disease- 3rd occurrence          | <b>List: 5 entries</b><br>0= None<br>1= Myocardial Infarction<br>2= Arteriosclerosis<br>3= Coronary Artery disease<br>4= Other heart condition  |
| HeartDisease_Other          | String*255 | Description of any additional heart conditions |   |
| Diagnosed_ImmuneDisease     | TINYINT    | Participant diagnosed with immune disease      | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| Diagnosed_KidneyDisease     | TINYINT    | Participant diagnosed with Kidney disease      | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| FirstKidneyDisease_Type     | TINYINT    | Type of Kidney disease- 1st occurrence         | <b>List: 7 entries</b><br>0= No response<br>1= Protein in urine<br>2= Albumin in urine<br>3= Blood in urine<br>4= Kidney Infection<br>5= Kidney stones<br>6= Other Condition or Procedure |
| SecondKidneyDisease_Type    | TINYINT    | Type of Kidney disease- 2nd occurrence         | <b>List: 7 entries</b>  |

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| ThirdKidneyDisease_Type       | TINYINT    | Type of Kidney disease- 3rd occurrence          | <p>0= No response<br/> 1= Protein in urine<br/> 2= Albumin in urine<br/> 3= Blood in urine<br/> 4= Kidney Infection<br/> 5= Kidney stones<br/> 6= Other Condition or Procedure</p> <p><b>List: 7 entries</b><br/> 0= No response<br/> 1= Protein in urine<br/> 2= Albumin in urine<br/> 3= Blood in urine<br/> 4= Kidney Infection<br/> 5= Kidney stones<br/> 6= Other Condition or Procedure</p> |
| FourthKidneyDisease_Type      | TINYINT    | Type of Kidney disease- 4th occurrence          | <p>0= No response<br/> 1= Protein in urine<br/> 2= Albumin in urine<br/> 3= Blood in urine<br/> 4= Kidney Infection<br/> 5= Kidney stones<br/> 6= Other Condition or Procedure</p> <p><b>List: 7 entries</b><br/> 0= No response<br/> 1= Protein in urine<br/> 2= Albumin in urine<br/> 3= Blood in urine<br/> 4= Kidney Infection<br/> 5= Kidney stones<br/> 6= Other Condition or Procedure</p> |
| Diagnosed_LiverDisease        | TINYINT    | Participant diagnosed with liver disease        | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| LiverDisease_Type             | TINYINT    | Type of Liver disease                           | <p><b>List: 2 entries</b><br/> 1= Hepatitis<br/> 2= Other Liver disease</p>   |
| LiverDisease_Other            | String*255 | Description of liver condition, if 'other'      |   |
| Diagnosed_Lupus               | TINYINT    | Participant diagnosed with Lupus                | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_MultipleSclerosis   | TINYINT    | Participant diagnosed with Multiple sclerosis   | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Osteoarthritis      | TINYINT    | Participant diagnosed with Osteoarthritis       | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Parkinsons          | TINYINT    | Participant diagnosed with Parkinsons Disease   | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Raynauds            | TINYINT    | Participant diagnosed with Raynaud's Syndrome   | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_RheumatoidArthritis | TINYINT    | Participant diagnosed with Rheumatoid arthritis | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Scleroderma         | TINYINT    | Participant diagnosed with Scleroderma          | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Sjogrens            | TINYINT    | Participant diagnosed with Sjogren's Syndrome   | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_Stroke              | TINYINT    | Participant diagnosed with Stroke               | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| Diagnosed_ThyroidDisease      | TINYINT    | Participant diagnosed with Thyroid Disease      | <p><b>List: 2 entries</b><br/> 0= No<br/> 1= Yes</p>  |
| ThyroidDisease_Type           | TINYINT    | Type of thyroid condition                       | <p><b>List: 4 entries</b><br/> 1= Goiter<br/> 2= Grave's disease<br/> 3= Hashimoto's<br/> 4= Other</p>  |
| ThyroidDisease_Other          | String*255 | Description of thyroid conditon, if 'other'     |   |

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| Diagnosed_UrinaryInfection | TINYINT    | Participant diagnosed with Urinary infections    | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| Diagnosed_ProstateDisease  | TINYINT    | Participant diagnosed with Prostate disease      | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| ProstateDisease_Type       | TINYINT    | Type of prostate disease                         | <b>List: 5 entries</b><br>0= No response<br>1= Prostatitis<br>2= Enlarged prostate<br>3= High PSA level<br>4= Unknown/Other |
| Diagnosed_Cancer           | TINYINT    | Participant diagnosed with cancer                | <b>List: 2 entries</b><br>1= Yes<br>2= No   |
| Cancer_Age                 | String*8   | Age at first cancer diagnosis                    |   |
| CancerTreatment_Radiation  | TINYINT    | Treatment form: radiation                        | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| CancerTreatment_Chemo      | TINYINT    | Treatment form: chemotherapy                     | <b>List: 2 entries</b><br>0= No<br>1= yes   |
| CancerTreatment_Surgical   | TINYINT    | Treatment form: surgical                         | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| CancerTreatment_Other      | TINYINT    | Treatment form: Other                            | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| CancerTreatmentOther_Desc  | String*255 | Description of treatments, if 'other'            |   |
| CancerTreatment_None       | TINYINT    | Recieved no treatments                           | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| CancerTreatment_Unsure     | TINYINT    | Unsure about treatment                           | <b>List: 2 entries</b><br>0= No<br>1= Yes   |
| CancerTreatment_Current    | TINYINT    | Participant still receiveing treatment           | <b>List: 2 entries</b><br>1= Yes<br>2= No   |
| CancerLocation_Bladder     | TINYINT    | Cancer type: bladder                             | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary   |
| Cancer_Bladder_Year        | String*8   | Year of first Diagnosis of cancer of the bladder |   |
| CancerLocation_Blood       | TINYINT    | Cancer type: blood                               | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary   |
| Cancer_Blood_Year          | String*8   | Year of first Diagnosis of cancer of the blood   |   |
| CancerLocation_Bone        | TINYINT    | Cancer type: bone                                | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary   |
| Cancer_Bone_Year           | String*8   | Year of first Diagnosis of bone cancer           |   |
| CancerLocation_Brain       | TINYINT    | Cancer type: brain                               | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary   |
| Cancer_Brain_Year          | String*8   | Year of first Diagnosis of cancer of the brain   |   |
| CancerLocation_Breast      | TINYINT    | Cancer type: breast                              | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary   |
| Cancer_Breast_Year         | String*8   | Year of first Diagnosis of breast cancer         |   |
| CancerLocation_Cervix      | TINYINT    | Cancer type: cervix                              | <b>List: 3 entries</b><br>0= No cancer or No response   |

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| Cancer_Cervix_Year         | String*8 | Year of first Diagnosis of cancer of the cervix       | 1= Primary<br>2= Secondary  |
| CancerLocation_Colon       | TINYINT  | Cancer type: colon                                    | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Colon_Year          | String*8 | Year of first Diagnosis of colon cancer               |   |
| CancerLocation_Esophogus   | TINYINT  | Cancer type: esophagus                                | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Esophogus_Year      | String*8 | Year of first Diagnosis of esophogial cancer          |   |
| CancerLocation_GallBladder | TINYINT  | Cancer type: gall bladder                             | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_GallBladder_Year    | String*8 | Year of first Diagnosis of cancer of the gall bladder |   |
| CancerLocation_Kidney      | TINYINT  | Cancer type: kidney                                   | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Kidney_Year         | String*8 | Year of first Diagnosis of cancer of the kidneys      |   |
| CancerLocation_Larynx      | TINYINT  | Cancer type: larynx                                   | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Larynx_Year         | String*8 | Year of first Diagnosis of cancer of the larynx       |   |
| CancerLocation_Leukemia    | TINYINT  | Cancer type: Leukemia                                 | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Leukemia_Year       | String*8 | Year of first Diagnosis of leukemia                   |   |
| CancerLocation_Liver       | TINYINT  | Cancer type: liver                                    | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Liver_Year          | String*8 | Year of first Diagnosis of liver cancer               |   |
| CancerLocation_Lungs       | TINYINT  | Cancer type: lungs                                    | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Lungs_Year          | String*8 | Year of first Diagnosis of lung cancer                |   |
| CancerLocation_Lymphoma    | TINYINT  | Cancer type: lymphoma                                 | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Lymphoma_Year       | String*8 | Year of first Diagnosis of lymphoma                   |   |
| CancerLocation_Melanoma    | TINYINT  | Cancer type: Melanoma                                 | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Melanoma_Year       | String*8 | Year of first Diagnosis of a melanoma                 |   |
| CancerLocation_Mouth       | TINYINT  | Cancer type: mouth                                    | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Mouth_Year          | String*8 | Year of first Diagnosis of cancer of the mouth        |   |
| CancerLocation_Ovaries     | TINYINT  | Cancer type: Ovarian cancer                           | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Ovaries_Year        | String*8 | Year of first Diagnosis of ovarian cancer             |   |
| CancerLocation_Pancreas    | TINYINT  | Cancer type: pancreas                                 | <b>List: 3 entries</b>  |

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|--------------------------------------|------------|---|---|
| Cancer_Pancreas_Year                 | String*8   | Year of first Diagnosis of pancreatic cancer                          | 0= No cancer or No response<br>1= Primary<br>2= Secondary                           |
| CancerLocation_Prostate              | TINYINT    | Cancer type: Prostate cancer  | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Prostate_Year                 | String*8   | Year of first Diagnosis of prostate cancer                            |   |
| CancerLocation_Rectum                | TINYINT    | Cancer type: rectum   | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Rectum_Year                   | String*8   | Year of first Diagnosis of rectal cancer                              |   |
| CancerLocation_Skin                  | TINYINT    | Cancer type: Skin cancer  | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Skin_Year                     | String*8   | Year of first Diagnosis of skin cancer                                |   |
| CancerLocation_Stomach               | TINYINT    | Cancer type: stomach  | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Stomach_Year                  | String*8   | Year of first Diagnosis of stomach cancer                             |   |
| CancerLocation_Testes                | TINYINT    | Cancer type: testes   | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Testes_Year                   | String*8   | Year of first Diagnosis of testicular cancer                          |   |
| CancerLocation_Thyroid               | TINYINT    | Cancer type: thyroid  | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Thyroid_Year                  | String*8   | Year of first Diagnosis of thyroid cancer                             |   |
| CancerLocation_Uterus                | TINYINT    | Cancer type: Uterine cancer   | <b>List: 3 entries</b><br>0= No cancer or No response<br>1= Primary<br>2= Secondary |
| Cancer_Uterus_Year                   | String*8   | Year of first Diagnosis of uterine cancer                             |   |
| Cancer_Other                         | String*255 | List and describe any cancer not specifically listed                  |   |
| ChildrenDiagnosed_LearningDisability | TINYINT    | Participant's child or children diagnosed with a learning disability? | <b>List: 4 entries</b><br>1= Yes<br>2= No<br>3= No children<br>4= Don't Know        |
| SubjectDiagnosed_LearningDisability  | TINYINT    | Participant diagnosed with a learning disability?                     | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know                          |
| ChildrenDiagnosed_ADD                | TINYINT    | Participant's child or children diagnosed as ADD or ADHD?             | <b>List: 4 entries</b><br>1= Yes<br>2= No<br>3= No children<br>4= Don't Know        |
| SubjectDiagnosed_ADD                 | TINYINT    | Participant diagnosed as ADD or ADHD?                                 | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know                          |
| RecentWeightGain                     | TINYINT    | Have experienced a recent weight gain                                 | <b>List: 2 entries</b><br>1= Yes<br>2= No   |
| WeightGain_Amount                    | String*15  | Amount of weight gained, in lbs                                       |   |
| RecentWeightLoss                     | TINYINT    | Have experienced a recent weight loss                                 | <b>List: 2 entries</b><br>1= Yes<br>2= No   |



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| WeightLoss_Amount            | String*15  | Amount of weight lost, in lbs                        |  |
| Prescribed_CholesterolMeds   | TINYINT    | Prescribed medication for cholesterol control        | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know                       |
| Prescribed_BloodPressureMeds | TINYINT    | Prescribed medication for blood pressure             | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know                       |
| Prescribed_Other             | TINYINT    | Participant is taking other perscription medications | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| Prescribed_Other_Med1        | String*50  | Medications #1                                       |  |
| Other_Med1_Dosage            | String*15  | Dosage for Med #1                                    |  |
| Prescribed_Other_Med2        | String*50  | Medications #2                                       |  |
| Other_Med2_Dosage            | String*15  | Dosage for Med #2                                    |  |
| Prescribed_Other_Med3        | String*50  | Medications #3                                       |  |
| Other_Med3_Dosage            | String*15  | Dosage for Med #3                                    |  |
| Prescribed_Other_Med4        | String*50  | Medications #4                                       |  |
| Other_Med4_Dosage            | String*15  | Dosage for Med #4                                    |  |
| Prescribed_Other_Med5        | String*50  | Medications #5                                       |  |
| Other_Med5_Dosage            | String*15  | Dosage for Med #5                                    |  |
| Prescribed_Other_Med6        | String*50  | Medications #6                                       |  |
| Other_Med6_Dosage            | String*15  | Dosage for Med #6                                    |  |
| Prescribed_Other_Med7        | String*50  | Medications #7                                       |  |
| Other_Med7_Dosage            | String*15  | Dosage for Med #7                                    |  |
| Prescribed_Other_Med8        | String*50  | Medications #8                                       |  |
| Other_Med8_Dosage            | String*15  | Dosage for Med #8                                    |  |
| Prescribed_Other_Med9        | String*50  | Medications #9                                       |  |
| Other_Med9_Dosage            | String*15  | Dosage for Med #9                                    |  |
| Prescribed_Other_Med10       | String*50  | Medications #10                                      |  |
| Other_Med10_Dosage           | String*15  | Dosage for Med #10                                   |  |
| Prescribed_Other_Med11       | String*50  | Medications #11                                      |  |
| Other_Med11_Dosage           | String*15  | Dosage for Med #11                                   |  |
| Prescribed_Other_Med12       | String*50  | Medications #12                                      |  |
| Other_Med12_Dosage           | String*15  | Dosage for Med #12                                   |  |
| Prescribed_Other_Med13       | String*50  | Medications #13                                      |  |
| Other_Med13_Dosage           | String*15  | Dosage for Med #13                                   |  |
| Prescribed_Other_Med14       | String*50  | Medications #14                                      |  |
| Other_Med14_Dosage           | String*15  | Dosage for Med #14                                   |  |
| Prescribed_Other_Med15       | String*50  | Medications #15                                      |  |
| Other_Med15_Dosage           | String*15  | Dosage for Med #15                                   |  |
| Prescribed_Other_Med16       | String*50  | Medications #16                                      |  |
| Other_Med16_Dosage           | String*15  | Dosage for Med #16                                   |  |
| Diagnosed_Allergies          | TINYINT    | Participant has allergies                            | <b>List: 3 entries</b><br>0= No response<br>1= Yes<br>2= No                      |
| Allergies_Desc               | String*255 | List of participants allergies                       |  |
| Symptom_BlurredVision        | TINYINT    | Have experienced blurred vision                      | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_DarkSpots            | TINYINT    | Have experienced dark spots before eyes              | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_EyeIrritation        | TINYINT    | Have you experienced Eye Irritations such as tearing | <b>List: 4 entries</b><br>1= Frequently  |

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| Symptom_ReducedSmell    | TINYINT | Have experienced a reduced sense of smell          | 2= Sometimes<br>3= Rarely<br>4= Never<br><b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Headache        | TINYINT | Have experienced recurring headache                | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_NightHeadache   | TINYINT | Have experienced headaches that worsen at work     | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_Lightheaded     | TINYINT | Have experienced lightheadedness                   | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_LoseBalance     | TINYINT | Have experienced loss of balance                   | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_Dizzy           | TINYINT | Have experienced dizziness                         | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_Unconsciousness | TINYINT | Have experienced unconsciousness or fainting       | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_DryMouth        | TINYINT | Have experienced dry mouth, nose, throat           | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_NoseBleed       | TINYINT | Have experienced nose bleeds                       | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_CoughwBlood     | TINYINT | Have experienced a cough w/bloody mucous           | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_SpotswHeadache  | TINYINT | Have or do you see spots before or during headache | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_CoughwMucous    | TINYINT | Have experienced a cough w/mucous                  | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |
| Symptom_Sinusitis       | TINYINT | Have experienced sinusitis                         | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never  |

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| Symptom_ThroatSore          | TINYINT | Have experienced throat irritation                  | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_DryCough            | TINYINT | Have experienced dry cough                          | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ShortOfBreath       | TINYINT | Have experienced shortness of breath                | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ColdFlu             | TINYINT | Have experienced colds or flu                       | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_DifficultSwallowing | TINYINT | Have experienced difficulty swallowing              | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_SourTastewBurning   | TINYINT | Have experienced pain, burning, sour taste in mouth | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ChestPainatRest     | TINYINT | Have experienced chest pain while at rest           | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ChestPainwExert     | TINYINT | Have experienced chest pain w/exertion              | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ChestTightness      | TINYINT | Have experienced chest tightness                    | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Heartburn           | TINYINT | Have experienced heartburn                          | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_RacingHeartbeat     | TINYINT | Have experienced racing heartbeat                   | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_SkippingHeartbeat   | TINYINT | Have experienced skipping heartbeat                 | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ChestPainBurning    | TINYINT | Have experienced pain, burning in chest             | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_RapidHeartbeat      | TINYINT | Have experienced palpitations/rapid heartbeat       | <b>List: 4 entries</b><br>1= Frequently  |

|                          |         |   |  |
|--------------------------|---------|---|--|
| Symptom_SwollenFeet      | TINYINT | Have experienced swollen feet or ankles       | <p>2= Sometimes<br/>3= Rarely<br/>4= Never</p> <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p> |
| Symptom_LossOfAppetite   | TINYINT | Have experienced loss of appetite             | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_Nausea           | TINYINT | Have experienced nausea                       | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_AbdominalPain    | TINYINT | Have experienced abdominal pain               | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_BloatedStomach   | TINYINT | Have experienced a swollen or bloated stomach | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_Indigestion      | TINYINT | Have experienced indigestion                  | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_Constipation     | TINYINT | Have experienced constipation                 | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_Hemorrhoids      | TINYINT | Have experienced hemorrhoids                  | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_Diarrhea         | TINYINT | Have experienced diarrhea                     | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_BloodInStool     | TINYINT | Have experienced blood in stool               | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_NoBladderControl | TINYINT | Have experienced loss of bladder control      | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_LegWeakness      | TINYINT | Have experienced weakness in legs             | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |
| Symptom_JointPain        | TINYINT | Have experienced joint pain                   | <p><b>List: 4 entries</b><br/>1= Frequently<br/>2= Sometimes<br/>3= Rarely<br/>4= Never</p>  |

|                            |         |  |  |
|----------------------------|---------|--|--|
| Symptom_MuscleWeakness     | TINYINT | Have experienced muscle weakness                 | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_SkinRash           | TINYINT | Have experienced skin rash                       | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_SkinRednesswtch    | TINYINT | Have experienced skin redness, dryness, itching  | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_HairLoss           | TINYINT | Have experienced hair loss                       | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Insomnia           | TINYINT | Have experienced insomnia                        | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_ShortSleep         | TINYINT | Have experienced inability to get extended sleep | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_FitfullSleep       | TINYINT | Have experienced fitful sleep                    | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Somnolence         | TINYINT | Have experienced somnolence                      | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Extremefatigue     | TINYINT | Have experienced extreme fatigue                 | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_MoodSwings         | TINYINT | Have experienced mood swings                     | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_Irritability       | TINYINT | Have experienced irritability                    | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_PoorConcentration  | TINYINT | Have experienced lack of concentration           | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_LongTermMemoryLoss | TINYINT | Have experienced long term memory loss           | <b>List: 4 entries</b><br>1= Frequently<br>2= Sometimes<br>3= Rarely<br>4= Never |
| Symptom_RecentMemoryLoss   | TINYINT | Have experienced short term memory loss          | <b>List: 4 entries</b><br>1= Frequently  |

|                               |            |   |  |
|-------------------------------|------------|---|--|
| Symptom_Other                 | String*255 | List of other health issues   | 2= Sometimes<br>3= Rarely<br>4= Never  |
| AgeBeginMenstruation          | TINYINT    | Age range when you started menstruating                                     | <b>List: 8 entries</b><br>0= No response<br>1= Younger than 10<br>2= 10 to 12<br>3= 13 to 15<br>4= 16 or older<br>5= Have not begun to menstruate<br>6= Never menstruated<br>7= Don't Know |
| RegularPeriod                 | TINYINT    | Is your period regular?   | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| CurrentlyPregnant             | TINYINT    | Participant currently pregnant  | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| HowManyMonthsPregnant         | String*8   | How far along, in months  |  |
| HowManyTimesPregnant          | String*8   | Number of times pregnant  |  |
| ExperiencedMenopause          | TINYINT    | Gone through menopause  | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| Undergone_Hysterectomy        | TINYINT    | Participant has undergone hysterectomy                                      | <b>List: 3 entries</b><br>1= Yes<br>2= No<br>3= Don't Know   |
| Hysterectomy_Age              | String*8   | Age at time of hysterectomy   |  |
| Hysterectomy_Extent           | TINYINT    | Was hysterectomy partial or total   | <b>List: 3 entries</b><br>1= Partial<br>2= Total<br>3= Don't Know  |
| Diagnosed_UterineFibroids     | TINYINT    | Participant diagnosed with Uterine fibroids                                 | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| Diagnosed_Endometriosis       | TINYINT    | Participant diagnosed with Endometriosis                                    | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| Perscribed_FemaleHormones     | TINYINT    | Participant prescribed female hormone treatments                            | <b>List: 4 entries</b><br>1= Yes<br>2= No<br>3= Don't Know<br>4= Refuse to answer  |
| FemaleHormones_Form           | TINYINT    | Form of the hormone treatment   | <b>List: 5 entries</b><br>0= No Response<br>1= Pills<br>2= Cream<br>3= Patch<br>4= Injection   |
| FemaleHormones_Current        | TINYINT    | Currently being prescribed hormones   | <b>List: 4 entries</b><br>1= Yes<br>2= No<br>3= Don't Know<br>4= Refuse to answer  |
| FemaleHormones_DurationMonths | String*8   | Number of months (partial years) participant was prescribed female hormones |  |
| FemaleHormones_DurationYears  | String*8   | Nmber of years participant was prescribed female homones                    |  |
| CancerLocation_Other          | TINYINT    | Other Cancer  | <b>List: 2 entries</b><br>0= No cancer or No response<br>1= Entered  |

Revisions dated 2006-Feb-08, 2006-March-16, 2006-April-7, 2006-June-6, 2006-June-17, 2006-Aug-24, 2006-Sept-24

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# Table: Fields requiring medical verification Lookup

Table: Medical Verify Reference

## Keys: 1

| Title         | Fields                 |
|---------------|------------------------|
| Table Keys:   | MedVerifiedConditionID |
| Foreign Keys: |                        |

## Fields: 5

| Field                  | Type      | Description   | Presentation |
|------------------------|-----------|---|--------------|
| MedVerifiedConditionID | TINYINT   | Key field for verified field list                               |              |
| TableName              | String*20 | Name of data table or export file in which this field occurs    |              |
| FieldName              | String*40 | Name of field   |              |
| OnCondition            | TINYINT   | Option value associated with required verification of condition |              |
| OnConditionDesc        | String*40 | Description of option requiring verification                    |              |

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# Table: Participant Family History

Table: Family Medical History

Keys: 1

| Title         | Fields        |
|---------------|---------------|
| Table Keys:   | ParticipantID |
| Foreign Keys: |               |

Fields: 190

| Field                   | Type       | Description   | Presentation  |
|-------------------------|------------|---|---|
| ParticipantID           | INTEGER    | Unique Participant ID                               |   |
| AnyRelativeswCancer     | TINYINT    | Participant blood relative(s) diagnosed with cancer | <b>List: 2 entries</b><br>1= Yes<br>2= No                                     |
| NumberRelatives         | String*8   | Number of blood relatives diagnosed with cancer     |   |
| Relative1_Relation      | TINYINT    | Participant relation to 1st relative                | <b>List: 4 entries</b><br>0= No Option<br>1= Parent<br>2= Sibling<br>3= Child |
| Relative1_CancerType    | String*255 | Type of cancer 1st relative diagnosed with          |   |
| Relative1_State         | TINYINT    | 1st relative living or deceased                     | <b>List: 2 entries</b><br>1= Living<br>2= Deceased                            |
| Relative1_DiagnosisYear | String*8   | Year 1st relative was diagnosed                     |   |
| Relative2_Relation      | TINYINT    | Participant relation to 2nd relative                | <b>List: 4 entries</b><br>0= No Option<br>1= Parent<br>2= Sibling<br>3= Child |
| Relative2_CancerType    | String*255 | Type of cancer 2nd relative diagnosed with          |   |
| Relative2_State         | TINYINT    | 2nd relative living or deceased                     | <b>List: 2 entries</b><br>1= Living<br>2= Deceased                            |
| Relative2_DiagnosisYear | String*8   | Year 2nd relative was diagnosed                     |   |
| Relative3_Relation      | TINYINT    | Participant relation to 3rd relative                | <b>List: 4 entries</b><br>0= No Option<br>1= Parent<br>2= Sibling<br>3= Child |
| Relative3_CancerType    | String*255 | Type of cancer 3rd relative diagnosed with          |   |
| Relative3_State         | TINYINT    | 3rd relative living or deceased                     | <b>List: 2 entries</b><br>1= Living<br>2= Deceased                            |
| Relative3_DiagnosisYear | String*8   | Year 3rd relative was diagnosed                     |   |
| Relative4_Relation      | TINYINT    | Participant relation to 4th relative                | <b>List: 4 entries</b><br>0= No Option<br>1= Parent                           |

|                         |            |  |   |
|-------------------------|------------|--|---|
| Relative4_CancerType    | String*255 | Type of cancer 4th relative diagnosed with           | 2= Sibling<br>3= Child  |
| Relative4_State         | TINYINT    | 4th relative living or deceased                      | <b>List: 2 entries</b><br>1= Living<br>2= Deceased                            |
| Relative4_DiagnosisYear | String*8   | Year 4th relative was diagnosed                      |   |
| Relative5_Relation      | TINYINT    | Participant relation to 5th relative                 | <b>List: 4 entries</b><br>0= No Option<br>1= Parent<br>2= Sibling<br>3= Child |
| Relative5_CancerType    | String*255 | Type of cancer 5th relative diagnosed with           |   |
| Relative5_State         | TINYINT    | 5th relative living or deceased                      | <b>List: 2 entries</b><br>1= Living<br>2= Deceased                            |
| Relative5_DiagnosisYear | String*8   | Year 5th relative was diagnosed                      |   |
| Addisons_Parent         | TINYINT    | Parent(s) diagnosed with Addisons disease            | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Addisons_Sibling        | TINYINT    | Sibling(s) diagnosed with Addisons disease           | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Addisons_Child          | TINYINT    | Child or Children diagnosed with Addisons disease    | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Alzheimers_Parent       | TINYINT    | Parents diagnosed with Alzheimers disease            | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Alzheimers_Sibling      | TINYINT    | Sibling(s) diagnosed with Alzheimers disease         | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Alzheimers_Child        | TINYINT    | Child or Children diagnosed with Alzheimers disease  | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Amyotrophic_Parent      | TINYINT    | Parents diagnosed with Amyotrophic disease           | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Amyotrophic_Sibling     | TINYINT    | Sibling(s) diagnosed with Amyotrophic disease        | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Amyotrophic_Child       | TINYINT    | Child or Children diagnosed with Amyotrophic disease | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Anemia_Parent           | TINYINT    | Parent(s) diagnosed with Anemia                      | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Anemia_Parent_WhiteCell | TINYINT    | Parent's Anemia white cell related                   | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Anemia_Parent_RedCell   | TINYINT    | Parent's Anemia red blood cell related               | <b>List: 2 entries</b><br>0= no<br>1= yes                                     |
| Anemia_Parent_Platelets | TINYINT    | Parent's Anemia platelet related                     | <b>List: 2 entries</b><br>0= no   |

|                                 |         |  |   |
|---------------------------------|---------|--|---|
| Anemia_Parent_Other             | TINYINT | Parent's Anemia: other or unknown                    | 1= yes<br><b>List: 2 entries</b><br>0= no<br>1= yes |
| Anemia_Sibling                  | TINYINT | Sibling(s) diagnosed with Anemia                     | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Sibling_WhiteCell        | TINYINT | Sibling's Anemia white cell related                  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Sibling_RedCell          | TINYINT | Sibling's Anemia red blood cell related              | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Sibling_Platelets        | TINYINT | Sibling's Anemia platelet related                    | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Sibling_Other            | TINYINT | Sibling's Anemia: other or unknown                   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Child                    | TINYINT | Child or Children diagnosed with Anemia              | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Child_WhiteCell          | TINYINT | Child's Anemia white cell related                    | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Child_RedCell            | TINYINT | Child's Anemia red blood cell related                | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Child_Platelets          | TINYINT | Child's Anemia platelet related                      | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Anemia_Child_Other              | TINYINT | Child's Anemia: other or unknown                     | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Aneurysm_Parent                 | TINYINT | Parents diagnosed with Aneurysm                      | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Aneurysm_Sibling                | TINYINT | Sibling(s) diagnosed with Aneurysm                   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Aneurysm_Child                  | TINYINT | Child or Children diagnosed with Aneurysm            | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Asthma_Parent                   | TINYINT | Parents diagnosed with Asthma                        | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Asthma_Sibling                  | TINYINT | Sibling(s) diagnosed with Asthma                     | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Asthma_Child                    | TINYINT | Child or Children diagnosed with Asthma              | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| CerebrovascularAccident_Parent  | TINYINT | Parent(s) diagnosed with a Cerebrovascular Accident  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| CerebrovascularAccident_Sibling | TINYINT | Sibling(s) diagnosed with a Cerebrovascular Accident | <b>List: 2 entries</b>                              |

|                               |         |   |   |
|-------------------------------|---------|---|---|
| CerebrovascularAccident_Child | TINYINT | Child or Children diagnosed with a Cerebrovascular Accident | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| ChronicBronchitis_Parent      | TINYINT | Parents diagnosed with Chronic Bronchitis                   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| ChronicBronchitis_Sibling     | TINYINT | Sibling(s) diagnosed with Chronic Bronchitis                | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| ChronicBronchitis_Child       | TINYINT | Child or Children diagnosed with Chronic Bronchitis         | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| COPD_Parent                   | TINYINT | Parents diagnosed with COPD                                 | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| COPD_Sibling                  | TINYINT | Sibling(s) diagnosed with COPD                              | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| COPD_Child                    | TINYINT | Child or Children diagnosed with COPD                       | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Cushings_Parent               | TINYINT | Parent(s) diagnosed with Cushings disease                   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Cushings_Sibling              | TINYINT | Sibling(s) diagnosed with Cushings disease                  | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Cushings_Child                | TINYINT | Child or Children diagnosed with Cushings disease           | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Diabetes_Parent               | TINYINT | Parents diagnosed with Diabetes                             | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Diabetes_Parent_Type1         | TINYINT | Parent's diabetes is Type I                                 | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| Diabetes_Parent_Type2         | TINYINT | Parent's diabetes is Type II                                | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Diabetes_Sibling              | TINYINT | Sibling(s) diagnosed with Diabetes                          | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Diabetes_Sibling_Type1        | TINYINT | Sibling's diabetes is Type I                                | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| Diabetes_Sibling_Type2        | TINYINT | Sibling's diabetes is Type II                               | 0= No<br>1= Yes<br><b>List: 2 entries</b> |
| Diabetes_Child                | TINYINT | Child or Children diagnosed with Diabetes                   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Diabetes_Child_Type1          | TINYINT | Child's diabetes is Type I                                  | 0= no<br>1= yes<br><b>List: 2 entries</b> |

|                                       |          |   |   |
|---------------------------------------|----------|---|---|
| Diabetes_Child_Type2                  | TINYINT  | Childs' diabetes is Type II                           | <b>List: 2 entries</b><br>0= No<br>1= Yes |
| Diabetes_Age                          | String*8 | Age at diabetes onset                                 |   |
| Emphysema_Parent                      | TINYINT  | Parents diagnosed with Emphysema                      | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Emphysema_Sibling                     | TINYINT  | Sibling(s) diagnosed with Emphysema                   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Emphysema_Child                       | TINYINT  | Child or Children diagnosed with Emphysema            | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Mono_Parent                           | TINYINT  | Parent(s) diagnosed with Epstein Barr disease         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Mono_Sibling                          | TINYINT  | Sibling(s) diagnosed with Epstein Barr disease        | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Mono_Child                            | TINYINT  | Child or Children diagnosed with Epstein Barr disease | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Fibromyalgia_Parent                   | TINYINT  | Parents diagnosed with Fibromyalgia                   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Fibromyalgia_Sibling                  | TINYINT  | Sibling(s) diagnosed with Fibromyalgia                | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Fibromyalgia_Child                    | TINYINT  | Child or Children diagnosed with Fibromyalgia         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Parent                   | TINYINT  | Parents diagnosed with Heart Disease                  | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Parent_Myocardial        | TINYINT  | Parent's heart attack due to myocardial infarction    | <b>List: 2 entries</b><br>0= No<br>1= Yes |
| HeartDisease_Parent_Arteriosclerosis  | TINYINT  | Parent's heart attack due to arteriosclerosis         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Parent_CoronaryArtery    | TINYINT  | Parent's heart attack due to coronary artery disease  | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Parent_Other             | TINYINT  | Parent's heart attack due to other causes             | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Sibling                  | TINYINT  | Sibling(s) diagnosed with Heart Disease               | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Sibling_Myocardial       | TINYINT  | Sibling's heart attack due to myocardial infarction   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Sibling_Arteriosclerosis | TINYINT  | Sibling's heart attack due to arteriosclerosis        | <b>List: 2 entries</b><br>0= no<br>1= yes |
| HeartDisease_Sibling_CoronaryArtery   | TINYINT  | Sibling's heart attack due to coronary artery disease | <b>List: 2 entries</b>                    |

|                                     |            |  |   |
|-------------------------------------|------------|--|---|
| HeartDisease_Sibling_Other          | TINYINT    | Sibling's heart attack due to other causes                       | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Child                  | TINYINT    | Child or Children diagnosed with Heart Disease                   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Child_Myocardial       | TINYINT    | Child's heart attack dut to myocardial infarction                | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Child_Arteriosclerosis | TINYINT    | Child's heart attack dut to arteriosclerosis                     | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Child_CoronaryArtery   | TINYINT    | Child's heart attack due to coronary artery disease              | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Child_Other            | TINYINT    | Child's heart attack due to other causes                         | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| HeartDisease_Other                  | String*255 | Description of heart disease, if 'other'                         |   |
| Immune_Parent                       | TINYINT    | Parent(s) diagnosed with Immune disease                          | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Immune_Sibling                      | TINYINT    | Sibling(s) diagnosed with Immune disease                         | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Immune_Child                        | TINYINT    | Child or Children diagnosed with Immune disease                  | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent                       | TINYINT    | Parents diagnosed with Kidney disease                            | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent_Protein               | TINYINT    | Type of kidney disease: parent diagnosed with protein in urine   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent_Albumin               | TINYINT    | Type of kidney disease: parent diagnosed with albumin in urine   | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent_Blood                 | TINYINT    | Type of kidney disease: parent diagnosed with blood in urine     | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent_Infection             | TINYINT    | Type of kidney disease: parent diagnosed with a kidney infection | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Parent_Stones                | TINYINT    | Type of kidney disease: parent diagnosed with kidney stones      | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Sibling                      | TINYINT    | Sibling(s) diagnosed with Kidney disease                         | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Sibling_Protein              | TINYINT    | Type of kidney disease: sibling diagnosed with protein in urine  | 0= no<br>1= yes<br><b>List: 2 entries</b> |
| Kidney_Sibling_Albumin              | TINYINT    | Type of kidney disease: sibling diagnosed with albumin in urine  | 0= no<br><b>List: 2 entries</b>           |

|                          |            |   |   |
|--------------------------|------------|---|---|
| Kidney_Sibling_Blood     | TINYINT    | Type of kidney disease: sibling diagnosed with blood in urine     | 1= yes<br><b>List: 2 entries</b><br>0= no<br>1= yes |
| Kidney_Sibling_Infection | TINYINT    | Type of kidney disease: sibling diagnosed with a kidney infection | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Sibling_Stones    | TINYINT    | Type of kidney disease: sibling diagnosed with kidney stones      | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child             | TINYINT    | Child or Children diagnosed with Kidney disease                   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child_Protein     | TINYINT    | Type of kidney disease: child diagnosed with protein in urine     | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child_Albumin     | TINYINT    | Type of kidney disease: child diagnosed with albumin in urine     | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child_Blood       | TINYINT    | Type of kidney disease: child diagnosed with blood in urine       | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child_Infection   | TINYINT    | Type of kidney disease: child diagnosed with a kidney infection   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Kidney_Child_Stones      | TINYINT    | Type of kidney disease: child diagnosed with kidney stones        | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Parent             | TINYINT    | Parents diagnosed with Liver disease                              | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Parent_Hepatitis   | TINYINT    | Type of liver disease: parent diagnosed with hepatitis            | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Parent_Other       | TINYINT    | Type of liver disease: parent diagnosed with other liver disease  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Sibling            | TINYINT    | Sibling(s) diagnosed with Liver Disease                           | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Sibling_Hepatitis  | TINYINT    | Type of liver disease: sibling diagnosed with hepatitis           | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Sibling_Other      | TINYINT    | Type of liver disease: sibling diagnosed with other liver disease | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Child              | TINYINT    | Child or Children diagnosed with Liver Disease                    | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Child_Hepatitis    | TINYINT    | Type of liver disease: child diagnosed with hepatitis             | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Child_Other        | TINYINT    | Type of liver disease: child diagnosed with other liver disease   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Liver_Other              | String*255 | Description of liver disease, if 'other'                          |   |

|                             |         |   |   |
|-----------------------------|---------|---|---|
| Lupus_Parent                | TINYINT | Parent(s) diagnosed with Lupus SLE                    | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Lupus_Sibling               | TINYINT | Sibling(s) diagnosed with Lupus SLE                   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Lupus_Child                 | TINYINT | Child or Children diagnosed with Lupus SLE            | <b>List: 2 entries</b><br>0= no<br>1= yes |
| MultipleSclerosis_Parent    | TINYINT | Parents diagnosed with Multiple Sclerosis             | <b>List: 2 entries</b><br>0= no<br>1= yes |
| MultipleSclerosis_Sibling   | TINYINT | Sibling(s) diagnosed with Multiple Sclerosis          | <b>List: 2 entries</b><br>0= no<br>1= yes |
| MultipleSclerosis_Child     | TINYINT | Child or Children diagnosed with Multiple Sclerosis   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Osteoarthritis_Parent       | TINYINT | Parents diagnosed with Osteoarthritis                 | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Osteoarthritis_Sibling      | TINYINT | Sibling(s) diagnosed with Osteoarthritis              | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Osteoarthritis_Child        | TINYINT | Child or Children diagnosed with Osteoarthritis       | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Parkinsons_Parent           | TINYINT | Parent(s) diagnosed with Parkinsons                   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Parkinsons_Sibling          | TINYINT | Sibling(s) diagnosed with Parkinsons                  | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Parkinsons_Child            | TINYINT | Child or Children diagnosed with Parkinsons           | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Raynauds_Parent             | TINYINT | Parents diagnosed with Raynauds Syndrome              | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Raynauds_Sibling            | TINYINT | Sibling(s) diagnosed with Raynauds Syndrome           | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Raynauds_Child              | TINYINT | Child or Children diagnosed with Raynauds Syndrome    | <b>List: 2 entries</b><br>0= no<br>1= yes |
| RheumatoidArthritis_Parent  | TINYINT | Parents diagnosed with Rheumatoid arthritis           | <b>List: 2 entries</b><br>0= no<br>1= yes |
| RheumatoidArthritis_Sibling | TINYINT | Sibling(s) diagnosed with Rheumatiod arthritis        | <b>List: 2 entries</b><br>0= no<br>1= yes |
| RheumatoidArthritis_Child   | TINYINT | Child or Children diagnosed with Rheumatoid arthritis | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Scleroderma_Parent          | TINYINT | Parent(s) diagnosed with Scleroderma                  | <b>List: 2 entries</b><br>0= no           |



|                            |            |   |   |
|----------------------------|------------|---|---|
| Scleroderma_Sibling        | TINYINT    | Sibling(s) diagnosed with Scleroderma                                   | 1= yes<br><b>List: 2 entries</b><br>0= no<br>1= yes |
| Scleroderma_Child          | TINYINT    | Child or Children diagnosed with Scleroderma                            | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Sjogren_Parent             | TINYINT    | Parents diagnosed with Sjogren  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Sjogren_Sibling            | TINYINT    | Sibling(s) diagnosed with Sjogren                                       | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Sjogren_Child              | TINYINT    | Child or Children diagnosed with Sjogren                                | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Stroke_Parent              | TINYINT    | Parents diagnosed with Stroke   | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Stroke_Sibling             | TINYINT    | Sibling(s) diagnosed with Stroke  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Stroke_Child               | TINYINT    | Child or Children diagnosed with Stroke                                 | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Parent             | TINYINT    | Parent(s) diagnosed with Thyroid disease                                | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Parent_Goiter      | TINYINT    | Type of thyroid disease: parent diagnosed with a Goiter                 | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Parent_Graves      | TINYINT    | Type of thyroid disease: parent diagnosed with Grave's disease          | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Parent_Hashimotos  | TINYINT    | Type of thyroid disease: parent diagnosed with Hashimoto's              | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Parent_Other       | TINYINT    | Type of thyroid disease: parent diagnosed with another thyroid disease  | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling            | TINYINT    | Sibling(s) diagnosed with Thyroid disease                               | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling_Goiter     | TINYINT    | Type of thyroid disease: sibling diagnosed with a Goiter                | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling_Graves     | TINYINT    | Type of thyroid disease: sibling diagnosed with Grave's disease         | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling_Hashimotos | TINYINT    | Type of thyroid disease: sibling diagnosed with Hashimoto's             | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling_Other      | TINYINT    | Type of thyroid disease: sibling diagnosed with another thyroid disease | <b>List: 2 entries</b><br>0= no<br>1= yes           |
| Thyroid_Sibling_OtherDesc  | String*255 | Description of thyroid disease, if 'other'                              |   |

|                              |            |   |   |
|------------------------------|------------|---|---|
| Thyroid_Child                | TINYINT    | Child or Children diagnosed with Thyroid disease                      | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Thyroid_Child_Goiter         | TINYINT    | Type of thyroid disease: child diagnosed with a Goiter                | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Thyroid_Child_Graves         | TINYINT    | Type of thyroid disease: child diagnosed with Grave's disease         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Thyroid_Child_Hashimotos     | TINYINT    | Type of thyroid disease: child diagnosed with Hashimoto's             | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Thyroid_Child_Other          | TINYINT    | Type of thyroid disease: child diagnosed with another thyroid disease | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Thyroid_Child_OtherDesc      | String*255 | Description of thyroid disease, if 'other'                            |   |
| Urinary_Parent               | TINYINT    | Parents diagnosed with a Urinary infection                            | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Urinary_Sibling              | TINYINT    | Sibling(s) diagnosed with a Urinary infection                         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Urinary_Child                | TINYINT    | Child or Children diagnosed with a Urinary infection                  | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Parent              | TINYINT    | Parents diagnosed with Prostate disease                               | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Parent_Prostatitis  | TINYINT    | Type of Prostate: parent diagnosed with Prostatitis                   | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Parent_Enlarged     | TINYINT    | Type of Prostate: parent diagnosed with an enlarged prostate          | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Parent_HighPSA      | TINYINT    | Type of Prostate: parent diagnosed with a high PSA level              | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Sibling             | TINYINT    | Sibling(s) diagnosed with a Prostate disease                          | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Sibling_Prostatitis | TINYINT    | Type of Prostate: sibling diagnosed with Prostatitis                  | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Sibling_Enlarged    | TINYINT    | Type of Prostate: sibling diagnosed with an enlarged prostate         | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Sibling_HighPSA     | TINYINT    | Type of Prostate: sibling diagnosed with a high PSA level             | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Child               | TINYINT    | Child or Children diagnosed with Prostate disease                     | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Child_Prostatitis   | TINYINT    | Type of Prostate: child diagnosed with Prostatitis                    | <b>List: 2 entries</b><br>0= no<br>1= yes |

|                         |         |   |   |
|-------------------------|---------|---|---|
| Prostate_Child_Enlarged | TINYINT | Type of Prostate: child diagnosed with an enlarged prostate | <b>List: 2 entries</b><br>0= no<br>1= yes |
| Prostate_Child_HighPSA  | TINYINT | Type of Prostate: child diagnosed with a high PSA level     | <b>List: 2 entries</b><br>0= no<br>1= yes |

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# Table: Participant Pregnancy History

Table: Pregnancy

## Keys: 2

| Title                | Fields                        |
|----------------------|-------------------------------|
| <b>Table Keys:</b>   | ParticipantID, ReferenceOrder |
| <b>Foreign Keys:</b> |                               |

## Fields: 75

| Field                 | Type     | Description                                     | Presentation  |
|-----------------------|----------|---|---|
| ParticipantID         | INTEGER  | Unique Participant ID                           |   |
| ReferenceOrder        | TINYINT  | Multiple Record Index                           |   |
| PregnancyEndMonth     | TINYINT  | Month pregnancy ended                           | <b>List: 13 entries</b><br>1= Unknown<br>2= January<br>3= February<br>4= March<br>5= April<br>6= May<br>7= June<br>8= July<br>9= August<br>10= September<br>11= October<br>12= November<br>13= December |
| PregnancyEndYear      | String*8 | Year pregnancy ended                            |   |
| PregnancyOutcome      | TINYINT  | Outcome of pregnancy                            | <b>List: 8 entries</b><br>0= No Response<br>1= One live birth<br>2= Two or more live births<br>3= Miscarriage<br>4= Still born<br>5= Tubal<br>6= Molar<br>7= Other                                      |
| LiveBirthMethod       | TINYINT  | Delivery: vaginal or cesarean                   | <b>List: 3 entries</b><br>0= No Response<br>1= Vaginal<br>2= Cesarean   |
| BirthPremature        | TINYINT  | Birth was premature                             | <b>List: 3 entries</b><br>0= No Response<br>1= Yes<br>2= No   |
| HadBirthComplications | TINYINT  | Participant diagnosed with a birth complication | <b>List: 8 entries</b><br>0= None<br>1= Pre-eclampsia<br>2= Gesttational Diabetes<br>3= Abruptio Placenta<br>4= Placenta Previa<br>5= Ectopic Pregnancy<br>6= Other Complication<br>7= Still Born       |
| NumberofLiveBirths    | String*8 | number of live births                           |   |
| FirstBabyGender       | TINYINT  | First baby's gender                             | <b>List: 3 entries</b>  |

|                           |            |  |  |
|---------------------------|------------|--|--|
|                           |            |  | 0= No Response<br>1= Boy<br>2= Girl  |
| FirstBabyWeight           | TINYINT    | First baby's weight range                            | <b>List: 3 entries</b><br>0= No Response<br>1= More than 5.5 pounds<br>2= Less than 5.5 pounds |
| FirstBabyHadBirthDefects  | TINYINT    | First baby had birth defects                         | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| FBHadCongenitalHeart      | TINYINT    | First baby had congenital heart disease              | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadDowns                | TINYINT    | First baby had Down's Syndrome                       | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadClubFoot             | TINYINT    | First baby had club (or other) foot                  | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadMarfan               | TINYINT    | First baby had Marfan Syndrome                       | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadCleft                | TINYINT    | First baby had cleft lip or pallet                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadSickleCell           | TINYINT    | First baby had sickle cell disease                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadSpinaBifida          | TINYINT    | First baby had spina bifida                          | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadGorUDefect           | TINYINT    | First baby had genital or urinary defect             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadNoseDefect           | TINYINT    | First baby had nose defect                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadEyeDefect            | TINYINT    | First baby had eye defect                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBHadOther                | TINYINT    | First baby had some other defect                     | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FBOtherDescription        | String*255 | Description of first baby's birth defect, if 'other' |  |
| SecondBabyGender          | TINYINT    | Second baby's gender                                 | <b>List: 3 entries</b><br>0= No Response<br>1= Boy<br>2= Girl                                  |
| SecondBabyWeight          | TINYINT    | Second baby's weight range                           | <b>List: 3 entries</b><br>0= No Response<br>1= More than 5.5 pounds<br>2= Less than 5.5 pounds |
| SecondBabyHadBirthDefects | TINYINT    | Second baby had birth defects                        | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| SBHadCongenitalHeart      | TINYINT    | Second baby had congenital heart disease             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadDowns                | TINYINT    | Second baby had Down's Syndrome                      | <b>List: 2 entries</b><br>0= No<br>1= Yes  |

|                          |            |   |  |
|--------------------------|------------|---|--|
| SBHadClubFoot            | TINYINT    | Second baby had club (or other) foot                  | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadMarfan              | TINYINT    | Second baby had Marfan Syndrome                       | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadCleft               | TINYINT    | Second baby had cleft lip or pallet                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadSickleCell          | TINYINT    | Second baby had sickle cell disease                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadSpinaBifida         | TINYINT    | Second baby had spina bifida                          | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadGorUDefect          | TINYINT    | Second baby had genital or urinary defect             | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadNoseDefect          | TINYINT    | Second baby had nose defect                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadEyeDefect           | TINYINT    | Second baby had eye defect                            | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBHadOther               | TINYINT    | Second baby had some other defect                     | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| SBOtherDescription       | String*255 | Description of second baby's birth defect, if 'other' |  |
| ThirdBabyGender          | TINYINT    | Third baby's gender                                   | <b>List: 3 entries</b><br>0= No Response<br>1= Boy<br>2= Girl                                  |
| ThirdBabyWeight          | TINYINT    | Third baby's weight range                             | <b>List: 3 entries</b><br>0= No Response<br>1= More than 5.5 pounds<br>2= Less than 5.5 pounds |
| ThirdBabyHadBirthDefects | TINYINT    | Third baby had birth defects                          | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| TBHadCongenitalHeart     | TINYINT    | Third baby had congenital heart disease               | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadDowns               | TINYINT    | Third baby had Down's Syndrome                        | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadClubFoot            | TINYINT    | Third baby had club (or other) foot                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadMarfan              | TINYINT    | Third baby had Marfan Syndrome                        | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadCleft               | TINYINT    | Third baby had cleft lip or pallet                    | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadSickleCell          | TINYINT    | Third baby had sickle cell disease                    | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadSpinaBifida         | TINYINT    | Third baby had spina bifida                           | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadGorUDefect          | TINYINT    | Third baby had genital or urinary defect              | <b>List: 2 entries</b>   |

|                           |            |   |  |
|---------------------------|------------|---|--|
| TBHadNoseDefect           | TINYINT    | Third baby had nose defect  | 0= No<br>1= Yes<br><b>List: 2 entries</b><br>0= No<br>1= Yes                                   |
| TBHadEyeDefect            | TINYINT    | Third baby had eye defect   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBHadOther                | TINYINT    | Third baby had some other defect                                  | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| TBOtherDescription        | String*250 | Description of third baby's birth defect, if 'other'              |  |
| FourthBabyGender          | TINYINT    | Fourth baby's gender  | <b>List: 3 entries</b><br>0= No Response<br>1= Boy<br>2= Girl                                  |
| FourthBabyWeight          | TINYINT    | Fourth baby's weight range  | <b>List: 3 entries</b><br>0= No Response<br>1= More than 5.5 pounds<br>2= Less than 5.5 pounds |
| FourthBabyHadBirthDefects | TINYINT    | Fourth baby had birth defects                                     | <b>List: 2 entries</b><br>1= Yes<br>2= No  |
| FoBHadCongenitalHeart     | TINYINT    | Fourth baby had congenital heart disease                          | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadDowns               | TINYINT    | Fourth baby had Down's Syndrome                                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadClubFoot            | TINYINT    | Fourth baby had club (or other) foot                              | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadMarfan              | TINYINT    | Fourth baby had Marfan Syndrome                                   | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadCleft               | TINYINT    | Fourth baby had cleft lip or pallet                               | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadSickleCell          | TINYINT    | Fourth baby had sickle cell disease                               | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadSpinaBifida         | TINYINT    | Fourth baby had spina bifida                                      | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadGorUDefect          | TINYINT    | Fourth baby had genital or urinary defect                         | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadNoseDefect          | TINYINT    | Fourth baby had nose defect                                       | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadEyeDefect           | TINYINT    | Fourth baby had eye defect  | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBHadOther               | TINYINT    | Fourth baby had some other defect                                 | <b>List: 2 entries</b><br>0= No<br>1= Yes  |
| FoBOtherDescription       | String*250 | Description of fourth baby's birth defect, if 'other'             |  |
| Miscarriage_WeeksCarried  | String*5   | Pregnancy outcome: miscarriage; number of weeks carried           |  |
| Miscarriage_Surgery       | TINYINT    | Pregnancy outcome: miscarriage; a surgical procedure was involved | <b>List: 3 entries</b><br>1= Yes<br>2= No  |

|                                    |            |   |   |
|------------------------------------|------------|---|---|
| StillBirth_WeeksCarried            | String*5   | Pregnancy outcome: stillbirth; number of weeks carried                        | 3= Don't Know   |
| StillBirth_MedicalIntervention     | TINYINT    | Pregnancy outcome: stillbirth; some type of medical intervention was involved | <b>List: 3 entries</b><br>0= No Response<br>1= Yes<br>2= No |
| BirthOutcomeOther_Description      | String*255 | Description of pregnancy outcome, if 'other'                                  |   |
| BirthComplicationOther_Description | String*255 | Description of Birth Complication   |   |

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# Table: Participant blood sample clinical analysis results

Table: Clinical Analysis

## Keys: 1

| Title         | Fields        |
|---------------|---------------|
| Table Keys:   | ParticipantID |
| Foreign Keys: |               |

## Fields: 4

| Field           | Type       | Description                          | Presentation |
|-----------------|------------|--------------------------------------|--------------|
| ParticipantID   | INTEGER    | Unique Participant ID                |              |
| TestDescription | String*100 | Description of clinical test         |              |
| ResultValue     | String*50  | Measured quantity from test          |              |
| ResultUnits     | String*60  | Description of units for test result |              |

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# Table: Participant blood sample chemical analysis results

Table: Chemical Analysis

## Keys: 1

| Title | Fields |
|-------|--------|
|-------|--------|

Table Keys: ParticipantID

Foreign Keys:

## Fields: 5

| Field         | Type      | Description                        | Presentation |
|---------------|-----------|------------------------------------|--------------|
| ParticipantID | INTEGER   | Unique Participant ID              |              |
| Parameter     | String*30 | Proper chemical name of substance  |              |
| Results       | String*10 | Test result                        |              |
| Units         | String*10 | Units of measurement               |              |
| CommonName    | String*15 | Common reference name of substance |              |

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