Component Description

The Acculturation section (variable name prefix ACQ) provides personal interview data on language use in the home. Questions asked and response categories used were customized, based on self-identified race and Hispanic origin, as shown in the table below.

| **Participants' Self-Identification** | **Question Asked** | **Response Categories** | **Variable Name for Data Release** |
| --- | --- | --- | --- |
| Non-Hispanic white, Non-Hispanic black, or other race - including multi-racial | What language(s) do you usually speak at home? | Check all that apply: English (ACD011A) Spanish (ACD011B) Other languages (ACD011C) | ACD011A-C |
| Mexican American or other Hispanic | What language(s) do you usually speak at home? Do you speak only Spanish, more Spanish than English, both equally, more English than Spanish, or only English? | Only Spanish More Spanish than English Both equally More English than Spanish Only English | ACD040 |
| Non-Hispanic Asian | Do you speak only (NON-ENGLISH LANGUAGE), more (NON-ENGLISH LANGUAGE) than English, both equally, more English than (NON-ENGLISH LANGUAGE), or only English?  Note: Participant self-reported "NON-ENGLISH LANGUAGE" used at home is pre-filled in this question during the interview. | Only non-English language More non-English than English Both equally More English than non-English language Only English | ACD110 |

Eligible Sample

Participants ages 3 and older were eligible for this section.

Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system.

Persons 16 years of age and older and emancipated minors were interviewed directly. A proxy provided information for survey participants who were under 16 years of age and for persons who could not answer the questions themselves.

Quality Assurance & Quality Control

The ACQ data were systematically reviewed for logical, processing, and data input errors on a periodic basis during the process of data collection.

The CAPI system is programmed with automated data consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

Data Processing and Editing

Data Processing and Editing Edits were made to ensure the completeness, consistency and analytic usefulness of the data.

Analytic Notes

Prior to 2012, the eligible sample for ACQ was 12 years and older. In 2012, the participant age was lowered to 3 years and older, to match the protocol for ACQ during the NHANES National Youth Fitness Survey (NNYFS). The 2012 ACQ data was not publically released for 3-11 year olds due to data disclosure concerns (i.e., this was only a one-year sample). You may request access to the 2012 ACQ on participants aged 3-11 through the NCHS [Research Data Center (RDC)](https://www.cdc.gov/rdc/).

NHANES 2013-14 is the first cycle of NHANES to collect two years of ACQ data for participants 3 years and older and is being released publically.

**ACD011A, ACD011B and ACD011C (Language spoken at home for non-hispanic white, non-hispanic black, and other races including multiracial)**  
These variables encoded the information on language(s) spoken at home for non-hispanic white and non-hispanic black participants, and participants of other races including multiracial. Responses to the question were collected as “check all that apply,” which means that the participants could report more than one language and all of their responses were recorded. Please note that these variables also apply to participants sampled as non-Hispanic Asian but self-identified as multiracial.

**Language spoken at home for non-Hispanics (NHANES 2011-2014 [ACD011 A,B,C] vs. NHANES 1999-2010 [ACD010 A,B,C])**Prior to 2011, one single question was used to collect information on language spoken at home for all non-Hispanic participants and the responses were released as variables ACD010A, ACD010B, and ACD010C. Starting 2011, to accomondate the Asian oversample, information on language spoken at home was collected separately for non-Hispanic Asians and other non-Hispanics using two different questions (i.e., ACQ110 and ACQ011). Analysts who wish to include “language spoken at home” data in analyses that use multiple 2-year NHANES cycles, may recode variables ACD011A, ACD011B, ACD011C, and ACD110 to create variables compatible with those released with the NHANES 1999-2010 data (i.e., ACD010A, ACD010B, and ACD010C) using the following programming code:

    If (SDDSRVYR=7) then do;   
        ACD010B=ACD011B;   
        If ACD110 in (2, 3, 4, 5) then ACD010A=1;   
        Else ACD010A=ACD011A;   
        If ACD110 in (1, 2, 3, 4) then ACD010C=9;   
        Else ACD010C=ACD011C;   
    End;

**ACD040 (Language spoken at home for Hispanics)**   
In the current ACQ, the item number for this question is ACQ041. However, to keep the data release variable names the same as those in previous years, the responses to ACQ041 were renamed ACD040.

Although these data were collected as part of the household questionnaire, if they are merged with the MEC exam data, exam sample weights should be used for the analyses.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

**ACD110 (Language spoken at home for non-Hispanic Asian, single race)**   
Question ACQ110, which asks language spoken at home of non-Hispanic Asian participants, was added to NHANES 2011–2012, to compliment the Asian oversample. More detailed data on specific Asian language(s) used by participants at home is available through the National Center for Health Statistics’ [Research Data Center (RDC)](https://www.cdc.gov/rdc/). Please note that acculturation data on participants sampled as non-Hispanic Asian but who self-identified as multiracial are reported in variables ACD011A, ACD011B and ACD011C in this public data set. If you wish to combine these participants with single Asian race participants in your analysis, you can request access to more detailed Asian language use data through the [RDC](https://www.cdc.gov/rdc/) as well.

Codebook and Frequencies

SEQN - Respondent sequence number

**Variable Name:**

SEQN

**SAS Label:**

Respondent sequence number

**English Text:**

Respondent sequence number.

**Target:**

Both males and females 3 YEARS - 150 YEARS

ACQBOX1 - CHECK ITEM

**Variable Name:**

ACQBOX1

**English Instructions:**

BOX 1. CHECK ITEM: IF THE PARTICIPANT SELF-IDENTIFIED AS "MEXICAN AMERICAN" OR "OTHER HISPANIC" (i.e., RIDRETH3=1, OR 2), GO TO ACD040; IF THE PARTICIPANT SELF-IDENTIFIED AS "NON-HISPANIC ASIAN" (i.e., RIDRETH3=6), GO TO ACD110; IF THE PARTICIPANT SELF-IDENTIFIED AS "NON-HISPANIC WHITE", "NON-HISPANIC BLACK", OR "OTHER RACE - INCLUDING MULTI-RACIAL" (i.e., RIDRETH3=3, 4, OR 7), CONTINUE WITH ACD011A.

**Target:**

Both males and females 3 YEARS - 150 YEARS

ACD011A - Speak English at home - NHW or NHB

**Variable Name:**

ACD011A

**SAS Label:**

Speak English at home - NHW or NHB

**English Text:**

What language(s) {do you/does SP} usually speak at home?

**English Instructions:**

CODE ALL THAT APPLY. THIS VARIABLE ONLY APPLIES TO PARTICIPANTS SELF-IDENTIFIED AS "NON-HISPANIC WHITE", "NON-HISPANIC BLACK", OR "OTHER RACE - INCLUDING MULTI-RACIAL" (i.e., RIDRETH3=3, 4, OR 7).

**Target:**

Both males and females 3 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | English | 5759 | 5759 |  |
| 77 | Refused | 0 | 5759 |  |
| 99 | Don't know | 0 | 5759 |  |
| . | Missing | 3471 | 9230 |  |

ACD011B - Speak Spanish at home - NHW or NHB

**Variable Name:**

ACD011B

**SAS Label:**

Speak Spanish at home - NHW or NHB

**English Text:**

What language(s) {do you/does SP} usually speak at home?

**English Instructions:**

CODE ALL THAT APPLY. THIS VARIABLE ONLY APPLIES TO PARTICIPANTS SELF-IDENTIFIED AS "NON-HISPANIC WHITE", "NON-HISPANIC BLACK", OR "OTHER RACE - INCLUDING MULTI-RACIAL" (i.e., RIDRETH3=3, 4, OR 7).

**Target:**

Both males and females 3 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 8 | Spanish | 16 | 16 |  |
| . | Missing | 9214 | 9230 |  |

ACD011C - Speak other language at home -NHW or NHB

**Variable Name:**

ACD011C

**SAS Label:**

Speak other language at home -NHW or NHB

**English Text:**

What language(s) {do you/does SP} usually speak at home?

**English Instructions:**

CODE ALL THAT APPLY. THIS VARIABLE ONLY APPLIES TO PARTICIPANTS SELF-IDENTIFIED AS "NON-HISPANIC WHITE", "NON-HISPANIC BLACK", OR "OTHER RACE - INCLUDING MULTI-RACIAL" (i.e., RIDRETH3=3, 4, OR 7).

**Target:**

Both males and females 3 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 9 | Other | 171 | 171 |  |
| . | Missing | 9059 | 9230 |  |

ACD040 - Language(s) spoken at home - Hispanics

**Variable Name:**

ACD040

**SAS Label:**

Language(s) spoken at home - Hispanics

**English Text:**

Now I'm going to ask you about language use. What language(s) {do you/does SP} usually speak at home? {Do you/Does he/Does she} speak only Spanish, more Spanish than English, both equally, more English than Spanish, or only English?

**English Instructions:**

HAND CARD ACQ1. THIS VARIABLE ONLY APPLIES TO PARTICIPANTS SELF-IDENTIFIED AS "MEXICAN AMERICAN" OR "OTHER HISPANIC" (i.e., RIDRETH3=1, OR 2).

**Target:**

Both males and females 3 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Only Spanish, | 548 | 548 |  |
| 2 | More Spanish than English | 321 | 869 |  |
| 3 | Both equally | 444 | 1313 |  |
| 4 | More English than Spanish | 483 | 1796 |  |
| 5 | Only English | 573 | 2369 |  |
| 7 | Refused | 1 | 2370 |  |
| 9 | Don't know | 4 | 2374 |  |
| . | Missing | 6856 | 9230 |  |

ACD110 - Language(s) spoken at home - Asians

**Variable Name:**

ACD110

**SAS Label:**

Language(s) spoken at home - Asians

**English Text:**

{Do you/Does SP} speak only (NON-ENGLISH LANGUAGE), more (NON-ENGLISH LANGUAGE) than English, both equally, more English than (NON-ENGLISH LANGUAGE), or only English?

**English Instructions:**

THIS VARIABLE ONLY APPLIES TO PARTICIPANTS SELF-IDENTIFIED "NON-HISPANIC ASIAN" (i.e., RIDRETH3=6).

**Target:**

Both males and females 3 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Only Non-English language | 370 | 370 |  |
| 2 | More Non-English than English | 91 | 461 |  |
| 3 | Both equally | 93 | 554 |  |
| 4 | More English than Non-English | 119 | 673 |  |
| 5 | Only English | 334 | 1007 |  |
| 7 | Refused | 0 | 1007 |  |
| 9 | Don't know | 0 | 1007 |  |
| . | Missing | 8223 | 9230 |  |