

CHIS 2021, CHIS 2022, and CHIS 2023 Revised Data Files Errata 27 February 2025

This document describes an updated release of CHIS 2021, CHIS 2022, and CHIS 2023 data files on February 27, 2025. This release affects data products for CHIS 2021 – 2023 including but not limited to [Public Use Files](#) (PUF), [AskCHIS](#), and access-restricted [Confidential Data](#) in the CHIS Data Access Center (DAC).

These updates will replace previously released 2021 – 2023 CHIS data in the Data Access Center. The primary motivation for revising CHIS 2021 – 2023 data is to reflect updates made to certain affected variables to provide more accurate data results. The affected variables are outlined in this document, with descriptions of the updates to these variables and the files impacted described on the following pages. All before and after percentages shown are population-level weighted percentages.

In addition to the specific items described below, an enhancement has been made to [AskCHIS](#) to update the system’s calculations of standard errors as presented in the confidence intervals and stability flags. Due to an AskCHIS server migration in August 2024, the Jackknife coefficient (which is used in the replicate weighting to produce population-level estimates in AskCHIS) was incorrectly modified to 0.5, but this has now been corrected back to a value of 1. The updated Jackknife coefficient will yield slightly larger confidence intervals in AskCHIS than observed between August 2024 and February 2025 when the system was using a value of 0.5.

Additionally, we have also applied changes to the codes assigned to the race and ethnicity of a small number of CHIS 2023 cases based on further review of the write-in responses provided. The impact of these changes leads to very small changes in the distribution of CHIS respondents by race group—a difference of less than 0.02 percentage points for any race or ethnic group category in the Office of Management and Budget (OMB)/current Department of Finance (DOF) race-ethnicity variable (OMBSRREO). Slightly larger shifts are seen in some of the detailed race or ethnicity subgroup variables, depending on their definition and construction. Since the CHIS samples are weighted to population distributions using a number of factors including race and ethnicity (see our [methodology reports](#) for more details on the CHIS weighting approach), these changes to race and ethnicity codes have led to the creation of new weights for the 2023 adult, adolescent, and child data, which can have minor impacts on any CHIS estimate. As a result, we are re-releasing all the CHIS 2023 data to reflect these changes. Based on a review of CHIS 2023 estimates for the state, only a very small proportion of CHIS indicators had movement greater than one tenth of a percentage point, and most indicators saw almost no difference using the new weights. We recommend that data users confirm any previously conducted analyses of CHIS 2023 data to verify the impact of the change in weights.

CHIS 2021

- Adult file
 - **AJ153V2_1**: HEALTH PROBLEM FOR TELE-MEDICAL CARE: SKIN
 - **AJ154BV2_1**: BIRTH CONTROL METHOD: TUBAL LIGATION
 - **INDMAIN2**: MAIN INDUSTRY – RECODE (CENSUS IND. CLASSIFICATION SCHEME)
 - **OCCMAIN2**: MAIN OCCUPATION – RECODE (CENSUS OCC. CLASSIFICATION SCHEME)
 - **MENTHOL***: SMOKED MINT OR MENTHOL FLAVORED CIGARETTES OR E-CIGARETTES
 - **AC193**: MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS
 - **AC193_P1**: MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS (PUF 1 YR RECODE)
 - **MJMETHOD**: MOST USED METHOD OF MARIJUANA USE
 - **MJMETHOD_P1**: MOST USED METHOD OF MARIJUANA USE (PUF 1 YR RECODE)
 - **AC206**: MOST COMMON METHOD OF CBD USE IN PAST 30 DAYS
- Child file
 - **CH17***: LANGUAGES AT HOME
 - **LANGHOME**: LANGUAGES SPOKEN AT HOME
 - **LNGHMC_P1**: LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)

CHIS 2022

- Adult file
 - **AJ153V2_1**: HEALTH PROBLEM FOR TELE-MEDICAL CARE: SKIN
 - **INDMAIN2**: MAIN INDUSTRY – RECODE (CENSUS IND. CLASSIFICATION SCHEME)
 - **OCCMAIN2**: MAIN OCCUPATION – RECODE (CENSUS OCC. CLASSIFICATION SCHEME)
 - **MENTHOL***: SMOKED MINT OR MENTHOL FLAVORED CIGARETTES OR E-CIGARETTES
 - **AC193**: MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS
 - **AC193_P1**: MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS (PUF 1 YR RECODE)
 - **MJMETHOD**: MOST USED METHOD OF MARIJUANA USE
 - **MJMETHOD_P1**: MOST USED METHOD OF MARIJUANA USE (PUF 1 YR RECODE)
 - **AC206**: MOST COMMON METHOD OF CBD USE IN PAST 30 DAYS
- Child file
 - **CA10A_1**: CHILD’S CONDITION: ADD/ADHD
 - **CH17***: LANGUAGES AT HOME
 - **LANGHOME**: LANGUAGES SPOKEN AT HOME
 - **LNGHMC_P1**: LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)

CHIS 2023

- Adult file
 - **MENTHOLV2***: SMOKED MINT OR MENTHOL FLAVORED CIGARETTES OR E-CIGARETTES

- Teen file
 - **TG20V2:** MAIN REASON NOT CURRENTLY USING BIRTH CONTROL (FEMALE)
 - **TG24:** MAIN REASON NOT CURRENTLY USING BIRTH CONTROL (MALE)
- Child file
 - **CH17*:** LANGUAGES AT HOME
 - **LANGHOME:** LANGUAGES SPOKEN AT HOME
 - **LNGHMC_P1:** LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)

*Indicates variable has been retired and removed from any re-released files.

AJ154BV2_1, AJ153V2_1, and CA10A_1 revisions due to modifications in the processing of these select-all-that-apply group variables:

- Affects the 2021 adult file (AJ154BV2_1), 2021 & 2022 adult files (AJ153V2_1), and the 2022 child file (CA10A_1).
- Processing program modified to correctly create the first variable of the group from the full and correct set of responses selected by each respondent.

CHIS 2021		
BIRTH CONTROL METHOD: TUBAL LIGATION		
AJ154BV2_1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	89.88	89.88
YES	1.06	0.38
NO	9.06	9.74

CHIS 2021		
HEALTH PROBLEM FOR TELE-MEDICAL CARE: SKIN		
AJ153V2_1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	93.29	93.29
YES	2.20	1.46
NO	4.51	5.25

CHIS 2022		
HEALTH PROBLEM FOR TELE-MEDICAL CARE: SKIN		
AJ153V2_1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	93.35	93.35
YES	2.24	1.35
NO	4.41	5.30

CHIS 2022		
CHILD'S CONDITION: ADD / ADHD		
CA10A_1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	94.54	94.54
YES	1.52	1.16
NO	3.94	4.31

INDMAIN2 and OCCMAIN2 revisions due to changes in collected industry and occupation data processing:

- Affects 2021 and 2022 adult files.
- Adjustments to correct categorization of certain unique and uncommon NIOCCS codes into the correct variable categories.

CHIS 2021
MAIN INDUSTRY - RECODE (CENSUS 2010. IND. CLASSIFICATION SCH.)

INDMAIN2	Weighted Percent	
	Before Update	After Update
DON'T KNOW	0.06	0.06
REFUSED	0.12	0.12
INAPPLICABLE	40.45	40.45
AGRICULTURE, FORESTRY, FISHING, HUNTING, AND MINING	0.88	0.88
CONSTRUCTION	2.96	2.96
MANUFACTURING	5.08	5.08
WHOLESALE TRADE	1.13	1.13
RETAIL TRADE	4.95	4.95
TRANSPORTATION, WAREHOUSING, AND UTILITIES	3.20	3.20
INFORMATION	1.63	1.63
FINANCE AND INSURANCE, REAL ESTATE, RENTAL AND LEASING	2.83	2.83
PROFESSIONAL, SCIENTIFIC, MANAGEMENT, ADMINISTRATIVE, AND WASTE MANAGEMENT SERVI	10.00	10.00
EDUCATIONAL SERVICES, HEALTH CARE AND SOCIAL ASSISTANCE	14.87	14.87
ARTS, ENTERTAINMENT, RECREATION, ACCOMMODATION, AND FOOD SERVICES	4.35	4.35
OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION	2.85	2.85
PUBLIC ADMINISTRATION	3.50	3.50
MILITARY	0.56	0.22
INDUSTRY CODED AS NOT IN LABOR FORCE	0.00	0.34
COULD NOT BE CODED	0.59	0.59

CHIS 2022		
MAIN INDUSTRY - RECODE (CENSUS 2010. IND. CLASSIFICATION SCH.)		
INDMAIN2	Weighted Percent	
	Before Update	After Update
DON'T KNOW	0.06	0.06
REFUSED	0.04	0.04
INAPPLICABLE	39.07	39.07
AGRICULTURE, FORESTRY, FISHING, HUNTING, AND MINING	1.12	1.12
CONSTRUCTION	3.04	3.04
MANUFACTURING	5.08	5.08
WHOLESALE TRADE	0.64	0.64
RETAIL TRADE	4.64	4.64
TRANSPORTATION, WAREHOUSING, AND UTILITIES	3.37	3.37
INFORMATION	1.58	1.58
FINANCE AND INSURANCE, REAL ESTATE, RENTAL AND LEASING	3.42	3.42
PROFESSIONAL, SCIENTIFIC, MANAGEMENT, ADMINISTRATIVE, AND WASTE MANAGEMENT SERVI	10.84	10.84
EDUCATIONAL SERVICES, HEALTH CARE AND SOCIAL ASSISTANCE	14.98	14.98
ARTS, ENTERTAINMENT, RECREATION, ACCOMMODATION, AND FOOD SERVICES	4.82	4.82

OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION	2.65	2.65
PUBLIC ADMINISTRATION	3.48	3.48
MILITARY	0.42	0.28
INDUSTRY CODED AS NOT IN LABOR FORCE	0.00	0.14
COULD NOT BE CODED	0.74	0.74

CHIS 2021		
MAIN OCCUPATION - RECODE (CENSUS 2010 OCC. CLASSIFICATION SCH.)		
OCCMAIN2	Weighted Percent	
	Before Update	After Update
DON'T KNOW	0.05	0.05
REFUSED	0.12	0.12
INAPPLICABLE	40.13	40.13
MANAGEMENT, BUSINESS, AND FINANCIAL OCCUPATIONS	8.61	8.61
COMPUTER, ENGINEERING, AND SCIENCE OCCUPATIONS	7.09	7.09
EDUCATION, LEGAL, COMMUNITY SERVICE, ARTS, AND MEDIA OCCUPATIONS	8.21	8.21
HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS	3.34	3.34
SERVICE OCCUPATIONS	9.12	9.12
SALES AND RELATED OCCUPATIONS	4.14	4.14
OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS	7.36	7.36
FARMING, FISHING, AND FORESTRY OCCUPATIONS	0.47	0.47
CONSTRUCTION AND EXTRACTION OCCUPATIONS	2.16	2.16
INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS	1.20	1.20
PRODUCTION OCCUPATIONS	2.54	2.54
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	3.44	2.96
MILITARY SPECIFIC OCCUPATIONS	0.22	0.22
OCCUPATION CODED AS NOT IN LABOR FORCE	0.00	0.48
COULD NOT BE CODED	1.80	1.80

CHIS 2022		
MAIN OCCUPATION - RECODE (CENSUS 2010 OCC. CLASSIFICATION SCH.)		
OCCMAIN2	Weighted Percent	
	Before Update	After Update
DON'T KNOW	0.01	0.01
REFUSED	0.06	0.06
INAPPLICABLE	38.60	38.60
MANAGEMENT, BUSINESS, AND FINANCIAL OCCUPATIONS	9.92	9.92
COMPUTER, ENGINEERING, AND SCIENCE OCCUPATIONS	7.59	7.59
EDUCATION, LEGAL, COMMUNITY SERVICE, ARTS, AND MEDIA OCCUPATIONS	8.22	8.22
HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS	3.31	3.31
SERVICE OCCUPATIONS	9.49	9.49
SALES AND RELATED OCCUPATIONS	4.06	4.06
OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6.70	6.70
FARMING, FISHING, AND FORESTRY OCCUPATIONS	0.68	0.68
CONSTRUCTION AND EXTRACTION OCCUPATIONS	1.83	1.83
INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS	1.34	1.34
PRODUCTION OCCUPATIONS	2.47	2.47
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	4.03	3.64
MILITARY SPECIFIC OCCUPATIONS	0.31	0.31
OCCUPATION CODED AS NOT IN LABOR FORCE	0.00	0.39
COULD NOT BE CODED	1.39	1.39

AC193, AC193_P1, MJMETHOD, MJMETHOD_P1, and AC206 revisions due to updates to the universes to include all intended respondents:

- Affects 2021 and 2022 adult files.
- Reprocessing of the final data to ensure that all of those eligible for the variables – due to multiple reported methods of use – are included in the universes.
- Respondents who had selected one method of use from the displayed categories and who also wrote in another method of use into the “Other” write-in field, were inadvertently excluded from the universes of these “most common method” follow-up variables. These revisions now include the previously-excluded respondents in the impacted variables. It does not reclassify or remove respondents who were previously correctly included.

CHIS 2021		
MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS		
AC193	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	91.48	90.95
SMOKE IT IN A JOINT, BONG, OR PIPE	4.44	4.46
SMOKE PART OR ALL OF A CIGAR WITH MARIJUANA IN IT	0.35	0.35
EAT IT	1.54	1.84
DRINK IT	0.06	0.10
VAPORIZE IT	1.64	1.71

DAB IT	0.47	0.47
OTHER	0.03	0.12
OTHER WAY NOT PREVIOUSLY MENTIONED	0.00	0.00

CHIS 2022		
MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS		
AC193	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	91.55	90.44
SMOKE IT IN A JOINT, BONG, OR PIPE	3.71	4.28
SMOKE PART OR ALL OF A CIGAR WITH MARIJUANA IN IT	0.40	0.40
EAT IT	1.72	2.09
DRINK IT	0.20	0.23
VAPORIZE IT	1.83	1.90
DAB IT	0.53	0.53
OTHER	0.05	0.12
OTHER WAY NOT PREVIOUSLY MENTIONED	0.00	0.00

CHIS 2021		
MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS (PUF 1 YR RECODE)		
AC193_P1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	91.48	90.95
SMOKING METHOD (METHODS OF CONSUMPTION W/ TOBACCO)	4.79	4.81
ORAL CONSUMPTION METHOD	1.60	1.94
INHALING VAPORS METHOD	2.11	2.18
OTHER METHOD	0.03	0.12

CHIS 2022		
MOST COMMON METHOD OF MARIJUANA USE IN PAST 30 DAYS (PUF 1 YR RECODE)		
AC193_P1	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	91.55	90.44
SMOKING METHOD (METHODS OF CONSUMPTION W/ TOBACCO)	4.11	4.68
ORAL CONSUMPTION METHOD	1.92	2.32
INHALING VAPORS METHOD	2.37	2.44
OTHER METHOD	0.05	0.13

CHIS 2021		
MOST USED METHOD OF MARIJUANA USE		
MJMETHOD	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.03	0.03
INAPPLICABLE	85.38	85.38
SMOKE IN JOINT, BONG, OR PIPE	6.55	6.50
SMOKE AS BLUNT	0.47	0.48

EAT	4.06	3.97
DRINK	0.22	0.23
VAPORIZE	2.58	2.62
DAB	0.53	0.52
OTHER	0.03	0.12
SOME OTHER WAY	0.12	0.12
NONE OF THESE METHODS	0.04	0.04

CHIS 2022		
MOST USED METHOD OF MARIJUANA USE		
MJMETHOD	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.04	0.04
INAPPLICABLE	84.62	84.62
SMOKE IN JOINT, BONG, OR PIPE	6.31	6.30
SMOKE AS BLUNT	0.46	0.46
EAT	4.65	4.59
DRINK	0.30	0.30
VAPORIZE	2.81	2.81
DAB	0.62	0.61
OTHER	0.05	0.12
SOME OTHER WAY	0.11	0.11
NONE OF THESE METHODS	0.02	0.02

CHIS 2021		
MOST USED METHOD OF MARIJUANA USE (PUF 1 YR RECODE)		
MJMETHOD_P1	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.03	0.03
INAPPLICABLE	85.38	85.38
SMOKING METHOD (METHODS OF CONSUMPTION W/ TOBACCO)	7.03	6.98
ORAL CONSUMPTION METHOD	4.28	4.20
INHALING VAPORS METHOD	3.11	3.14
OTHER METHOD	0.15	0.24
NONE OF THESE METHODS	0.04	0.04

CHIS 2022		
MOST USED METHOD OF MARIJUANA USE (PUF 1 YR RECODE)		
MJMETHOD_P1	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.04	0.04
INAPPLICABLE	84.62	84.62
SMOKING METHOD (METHODS OF CONSUMPTION W/ TOBACCO)	6.77	6.77
ORAL CONSUMPTION METHOD	4.95	4.89

INHALING VAPORS METHOD	3.43	3.42
OTHER METHOD	0.16	0.23
NONE OF THESE METHODS	0.02	0.02

CHIS 2021		
MOST COMMON METHOD OF CBD USE IN PAST 30 DAYS		
AC206	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	94.70	94.70
TAKE IT ORALLY	1.58	1.58
EAT IT	1.17	1.17
DRINK IT	0.21	0.21
APPLY IT ON YOUR SKIN	1.67	1.67
SMOKE IT	0.30	0.30
VAPORIZE IT	0.31	0.31
DAB IT	0.07	0.07
OTHER WAY NOT PREVIOUSLY MENTIONED	0.01	0.01

CHIS 2022		
MOST COMMON METHOD OF CBD USE IN PAST 30 DAYS		
AC206	Weighted Percent	
	Before Update	After Update
INAPPLICABLE	94.98	94.93
TAKE IT ORALLY	1.24	1.25
EAT IT	1.44	1.45
DRINK IT	0.15	0.15
APPLY IT ON YOUR SKIN	1.40	1.43
SMOKE IT	0.46	0.46
VAPORIZE IT	0.29	0.29
DAB IT	0.03	0.03
OTHER WAY NOT PREVIOUSLY MENTIONED	0.00	0.00

TG20V2 and TG24 universe revisions due to processing errors of the correctly collected data:

- Affects the 2023 teen file.
- Processing code inadvertently excluded data collected from eligible respondents and included ineligible respondents without data values for the variables.
- While data for these variables was collected correctly, faulty processing code inverted the universes for them. This caused those who said “Yes” to the lead in questions (TG18V2: USED BIRTH CONTROL IN PAST YEAR and TG22: USED BIRTH CONTROL IN PAST YEAR) to be included in the final data for TG20V2 and TG24, when those who said “No” to the lead in questions should actually have been included instead.
- These revisions update the universes of TG20V2 and TG24 to include the intended respondents and reflect their reported responses.

CHIS 2023		
MAIN REASON NOT CURRENTLY USING BIRTH CONTROL (FEMALES)		
TG20V2	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.86	0.00
INAPPLICABLE	99.14	99.92
NO NEED/DON'T WANT	0.00	0.08

CHIS 2023		
MAIN REASON NOT CURRENTLY USING BIRTH CONTROL (MALES)		
TG24	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	2.21	0.00
INAPPLICABLE	97.79	99.06
TRYING TO GET PREGNANT/WANT A BABY	0.00	0.19
HAVEN'T HAD TIME TO GO IN FOR BIRTH CONTROL	0.00	0.13
FEEL UNCOMFORTABLE ASKING FOR BIRTH CONTROL/TALKING ABOUT BIRTH CONTROL	0.00	0.17
NO NEED/DON'T WANT	0.00	0.44
NO SEXUAL PARTNER	0.00	0.02

LANGHOME, and LNGHMC_P1 revisions due to a processing error misclassifying write-in responses that should have been coded into other categories, and associated removal of CH17:

- Affects the 2021, 2022, and 2023 child files.
- CH17 is no longer explicitly asked in the child questionnaire since 2021, and as such the variable has been removed from future data files.
- AH36 and LANGHOME (adult) are now used in the creation of LANGHOME (child) and LNGHMC_P1, populating values for the child variables based on the response to the associated question in the adult survey.
- A processing error resulted in write-in responses coded into other categories for the adult data not transferring to the correct categories in the child version of LANGHOME and LNGHMC_P1 in CHIS 2022.

CHIS 2021		
LANGUAGES SPOKEN AT HOME		
LANGHOME	Weighted Percent	
	Before Update	After Update
ENGLISH	48.63	47.94
SPANISH	11.64	11.62
CHINESE	1.55	1.57
VIETNAMESE	0.81	0.81
KOREAN	0.28	0.28
OTHER ASIAN LANGUAGE (1 ONLY)	0.91	1.14
OTHER NON-ASIAN LANGUAGE (1 ONLY)	0.73	0.75
ENGLISH & SPANISH	24.45	24.11

ENGLISH & CHINESE	1.08	1.08
ENGLISH & EUROPEAN LANGUAGE	1.43	1.54
ENGLISH & ANOTHER ASIAN LANGUAGE	4.79	4.72
ENGLISH & ONE OTHER LANGUAGE	1.55	1.70
OTHER LANGUAGES (2+)	2.15	2.75

CHIS 2022		
LANGUAGES SPOKEN AT HOME		
LANGHOME	Weighted Percent	
	Before Update	After Update
ENGLISH	50.30	47.94
SPANISH	9.34	9.16
CHINESE	1.51	1.48
VIETNAMESE	0.94	0.94
KOREAN	0.16	0.16
OTHER ASIAN LANGUAGE (1 ONLY)	0.48	0.55
OTHER NON-ASIAN LANGUAGE (1 ONLY)	0.98	0.87
ENGLISH & SPANISH	25.90	25.55
ENGLISH & CHINESE	1.18	1.17
ENGLISH & EUROPEAN LANGUAGE	1.14	1.65
ENGLISH & ANOTHER ASIAN LANGUAGE	4.30	4.75
ENGLISH & ONE OTHER LANGUAGE	1.22	1.91
OTHER LANGUAGES (2+)	2.55	3.86

CHIS 2023		
LANGUAGES SPOKEN AT HOME		
LANGHOME	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.07	0.00
ENGLISH	50.20	49.80
SPANISH	12.00	11.82
CHINESE	1.34	1.35
VIETNAMESE	0.62	0.62
KOREAN	0.30	0.30
OTHER ASIAN LANGUAGE (1 ONLY)	1.09	1.07
OTHER NON-ASIAN LANGUAGE (1 ONLY)	1.30	1.37
ENGLISH & SPANISH	21.25	21.03
ENGLISH & CHINESE	1.59	1.58
ENGLISH & EUROPEAN LANGUAGE	1.47	1.49
ENGLISH & ANOTHER ASIAN LANGUAGE	5.23	5.22
ENGLISH & ONE OTHER LANGUAGE	1.23	1.33
OTHER LANGUAGES (2+)	2.30	3.03

CHIS 2021
LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)

LNGHMC_P1	Weighted Percent	
	Before Update	After Update
ENGLISH	48.63	47.94
SPANISH	11.64	11.62
OTHER ASIAN OR NON-ASIAN LANGUAGE	4.29	4.55
ENGLISH & SPANISH	24.45	24.11
ENGLISH & CHINESE	1.08	1.08
ENGLISH & ONE OTHER LANGUAGE	7.77	7.96
OTHER TWO OR MORE LANGUAGES	2.15	2.75

CHIS 2022		
LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)		
LNGHMC_P1	Weighted Percent	
	Before Update	After Update
ENGLISH	50.30	47.94
SPANISH	9.34	9.16
OTHER ASIAN OR NON-ASIAN LANGUAGE	4.07	4.02
ENGLISH & SPANISH	25.90	25.55
ENGLISH & CHINESE	1.18	1.17
ENGLISH & ONE OTHER LANGUAGE	6.67	8.31

CHIS 2023		
LANGUAGES SPOKEN AT HOME (PUF 1 YR RECODE)		
LNGHMC_P1	Weighted Percent	
	Before Update	After Update
NOT ASCERTAINED	0.07	0.00
ENGLISH	50.20	49.80
SPANISH	12.00	11.82
OTHER ASIAN OR NON-ASIAN LANGUAGE	4.65	4.70
ENGLISH & SPANISH	21.25	21.03
ENGLISH & CHINESE	1.59	1.58
ENGLISH & ONE OTHER LANGUAGE	7.93	8.04
OTHER TWO OR MORE LANGUAGES	2.30	3.03

Removal of MENTHOL and MENTHOLV2 from all files:

- Affects 2021 & 2022 adult files (MENTHOL) and the 2023 adult file (MENTHOLV2).
- Complications from the construction of these variables using multiple inputs resulted in final variables that are unclear and misleading in their descriptions and categorizations.
- The input variables that previously went into the construction of MENTHOL and MENTHOLV2 are still available for analysis, allowing users to analyze separately or via their own combinations, as desired.