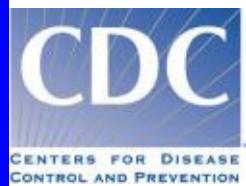


**Child Weighting Calculated Variables  
in the  
2024 Data File  
of the  
Behavioral Risk Factor Surveillance System**

*(Version #2 - Revised: May 29, 2025)*



## Child Weighting Calculated Variables in the 2021 BRFSS Data File

| Module: 21 Random Child Selection  |  |   |
|--|--|---|
| <b>CHISPNC</b> <i>Calculated variable for child Hispanic, Latino/a, or spanish origin calculated variable.</i> |  |   |
| 1  | Child of Hispanic, Latino/a, or Spanish origin     | Respondent with a child of Hispanic, Latino/a, or Spanish origin (RCHISLA1=1,2,3,4 or RCHISLA1 > 9)   |
| 2  | Child not of Hispanic, Latino/a, or Spanish origin | Respondent with a child not of Hispanic, Latino/a, or Spanish origin (RCHISLA1=5)   |
| 9  | Don't know/ Not Sure/ Refused/ Missing             | Respondent that didn't know or refused to answer if the child was of Hispanic, Latino/a, or Spanish origin or those with missing values (RCHISLA1=7)  |
|  | <b>SAS Code:</b>                                   | <pre>*****; * Define _CHISPNC           *; * 1=Hispanic, Latino/a, Spanish *; *****; CHISPNUM=INPUT(RCHISLA1, 4.0); IF CHISPNUM in (5,58) THEN _CHISPNC=2; ELSE IF CHISPNUM in (7,9,. ) THEN _CHISPNC=9; ELSE _CHISPNC=1;</pre> |

| Module: 21 Random Child Selection   |                      |   |
|---|----------------------|---|
| <b>CRACORG1</b> <i>Calculated variable for rcsrace1 with 77, 88, 80, 99s removed.</i> |                      |   |
| 10 - 6.05E9   | Race code(s)         | Respondents reported race or races in original order (RCSRACE1=10, 20, 30, 40, 50, 60, or RCSRACE1 > 99)  |
| 77  | Don't know/ Not sure | Respondents who reported they didn't know, or weren't sure of their race. (RCSRACE1=77)   |
| 99  | Refused              | Respondents who refused to give their race. (RCSRACE1=99)   |
|   | <b>SAS Code:</b>     | <pre>*****; * Define CRACORG1           *; * Remove 77's, 80's, 88's and 99's *; *****; IF LENGTH(RCSRACE1) &gt; 2 THEN DO; CRACEORG77=PUT(COMPRESS(TRANWRD(RCSRACE1,"77","")),28.); CRACEORG88=PUT(COMPRESS(TRANWRD(CRACEORG77,"88","")),28.); CRACEORG99=PUT(COMPRESS(TRANWRD(CRACEORG88,"99","")),28.); CRACORG1=PUT(COMPRESS(TRANWRD(CRACEORG99,"80","")),28.); END; ELSE DO; CRACORG1=RCSRACE1; END;</pre> |

## Child Weighting Calculated Variables in the 2021 BRFSS Data File

| <b>Module: 21 Random Child Selection</b>  |                      |   |
|---|----------------------|---|
| <b>CRACASC1    <i>Calculated variable for cracorg1 with responses in ascending order.</i></b> |                      |   |
| 10 - 1.02E9   | Race code(s)         | Respondents reported race or races in ascending order (RCSRACE1=10, 20, 30, 40, 50, 60, or CRACORG1 > 99) |
| 77  | Don't know/ Not sure | Respondents who reported they didn't know, or weren't sure of their race. (CRACORG1=77)                   |
| 99  | Refused              | Respondents who refused to give their race. (CRACORG1=99)   |

## Child Weighting Calculated Variables in the 2021 BRFSS Data File

**Module: 21 Random Child Selection**
**CRACASC1   Calculated variable for cracorg1 with responses in ascending order.**

|  |  |
|--|--|
|  | <b>SAS Code:</b><br><pre>*****; * Create CRACASC1 *; *****; IF (LEFT(COMPRESS(LENGTH(CRACORG1)))) &gt; 2 THEN DO; array pairs[14]; length CRAC_SORTED \$28; counter=.; *parse after_valid pairs into the array*; do pos=1 to length(CRACORG1) by 2;   counter + 1;   pairs[counter]=input(substr(CRACORG1, pos, 2), 2.); end; *Use SMALLEST and CATS function to concatenate values in *; *ascending order.*; do i=1 to counter;   CRAC_SORTED=cats(CRAC_SORTED, smallest(i, of pairs[*])); end; drop pairs: i counter pos; CRAC_VALID=CRAC_SORTED; %macro swapthis; %do M=1 %to 14; %put *** M IS EQUAL TO &amp;M. ***; %LET R=%eval((&amp;M.*2)-1); %put *** R IS EQUAL TO &amp;r. ***; %do s=41 %to 47;   if substr(CRAC_VALID,&amp;R.,2)=&amp;s. then do;     CRAC_VALID=TRANWRD(CRAC_VALID,"&amp;S.,"40");   end; %end; %do t=51 %to 54;   if substr(CRAC_VALID,&amp;R.,2)=&amp;t. then do;     CRAC_VALID=TRANWRD(CRAC_VALID,"&amp;T.,"50");   end; %end; %end; %mend; %swapthis; DO Z=1 TO 4;   CRAC_5050=   PUT(LEFT(COMPRESS(TRANWRD(CRAC_VALID,"5050","50XX"))),28.);   CRAC_ONE50= PUT(LEFT(COMPRESS(TRANWRD(CRAC_5050,"XX",""))),28.); END; CRAC_ONE40=CRAC_ONE50; DO Y=1 TO 7;   CRAC_4040=   PUT(LEFT(COMPRESS(TRANWRD(CRAC_ONE40,"4040","40XX"))),28.);   CRAC_ONE40=   PUT(LEFT(COMPRESS(TRANWRD(CRAC_4040,"XX",""))),28.); END; CRACASC1=INPUT(CRAC_ONE40,28.0); END;</pre> |
|--|--|

## Child Weighting Calculated Variables in the 2021 BRFSS Data File

| Module: 21 Random Child Selection   |  |   |
|---|--|---|
| <b>CRACE1    Calculated variable for child multiracial race categorization.</b> |  |   |
| 1   | White only                                     | Respondents who reported they are white. (CRACASC1=10)  |
| 2   | Black or African American only                 | Respondents who report they are black. (CRACASC1=20)  |
| 3   | American Indian or Alaskan Native only         | Respondents who reported they are American Indian or Alaska Native. (CRACASC1=30)   |
| 4   | Asian Only                                     | Respondents who reported they are Asian. (CRACASC1=40,41,42,43,44,45,46,47)   |
| 5   | Native Hawaiian or other Pacific Islander only | Respondents who reported they are native Hawaiian or Pacific Islander. (CRACASC1=50,51,52,53,54)  |
| 6   | Other race only                                | Respondents who reported they are of some other race group not listed in the question responses. (CRACASC1=60)  |
| 7   | Multiracial                                    | Respondents who reported they are of more than one race group (CRACASC1 > 99)   |
| 77  | Don't know/ Not sure                           | Respondents who reported they did not know their race. (CRACASC1=77)  |
| 99  | Refused  | Respondents who refused to give their race information. (CRACASC1=99)   |
|   | <b>SAS Code:</b>                               | <pre>*****; * Create _CRACE1 *; *****; IF CRACASC1 GT 99 THEN _CRACE1=7; ELSE IF CRACASC1 EQ 99 THEN _CRACE1=99; ELSE IF CRACASC1 EQ 77 THEN _CRACE1=77; ELSE IF CRACASC1 EQ 10 THEN _CRACE1=1; ELSE IF CRACASC1 EQ 20 THEN _CRACE1=2; ELSE IF CRACASC1 EQ 30 THEN _CRACE1=3; ELSE IF 40 LE CRACASC1 LE 47 THEN _CRACE1=4; ELSE IF 50 LE CRACASC1 LE 54 THEN _CRACE1=5; ELSE IF CRACASC1=60 THEN _CRACE1=6;</pre> |

## Child Weighting Calculated Variables in the 2021 BRFSS Data File

| <b>Module: 21 Random Child Selection</b>                              |              |   |
|---|--------------|---|
| <b>CHILDAGE</b> <i>Calculated variable for child age (in months).</i> |              |   |
| 0 - 11  | 0 Years old  | Respondents child is between 0 and 11 months old    |
| 12 - 23   | 1 Year old   | Respondents child is between 12 and 23 months old   |
| 24 - 35   | 2 Years old  | Respondents child is between 24 and 35 months old   |
| 36 - 47   | 3 Years old  | Respondents child is between 36 and 47 months old   |
| 48 - 59   | 4 Years old  | Respondents child is between 48 and 59 months old   |
| 60 - 71   | 5 Years old  | Respondents child is between 60 and 71 months old   |
| 72 - 83   | 6 Years old  | Respondents child is between 72 and 83 months old   |
| 84 - 95   | 7 Years old  | Respondents child is between 84 and 95 months old   |
| 96 - 107  | 8 Years old  | Respondents child is between 96 and 107 months old  |
| 108 - 119   | 9 Years old  | Respondents child is between 108 and 119 months old |
| 120 - 131   | 10 Years old | Respondents child is between 120 and 131 months old |
| 132 - 143   | 11 Years old | Respondents child is between 132 and 143 months old |
| 144 - 155   | 12 Years old | Respondents child is between 144 and 155 months old |
| 156 - 167   | 13 Years old | Respondents child is between 156 and 167 months old |
| 168 - 179   | 14 Years old | Respondents child is between 168 and 179 months old |
| 180 - 191   | 15 Years old | Respondents child is between 180 and 191 months old |
| 192 - 203   | 16 Years old | Respondents child is between 192 and 203 months old |
| 204 - 215   | 17 Years old | Respondents child is between 204 and 215 months old |

## Child Weighting Calculated Variables in the 2021 BRFSS Data File

### Module: 21 Random Child Selection

#### **CHILDAGE** *Calculated variable for child age (in months).*

|  |   |
|--|---|
|  | <b>SAS Code:</b> <pre>***** *****; * Crate variables to determine age from childs birth-month and birth-year *; *****; *****;  IF RCSBIRTH notin ("777777","999999","") then do; If (input(RCSBIRTH,\$6.)) GT 10000 then do; BRMNTH=SUBSTR(RCSBIRTH,1,2); BRTHMNTH=input(BRMNTH,2.); BRYEAR=INPUT((substr(rcsbirth,3,4)),4.0); IF (compress(BRMNTH)) IN ("01","02","03","04","05","06","07","08","09","10","11","12") then do; IF BRYEAR NOTIN (7777,9999,.) then do; YEARDIFF=IYEAR - BRYEAR; REFMONTH=(YEARDIFF*12) + IMONTH; CHILDAGE=REFMONTH - BRTHMNTH; End; Else IF BRYEAR IN (7777,9999) then CHILDAGE=777; End; ELSE IF (COMPRESS(BRMNTH)) NOTIN ("01","02","03","04","05","06","07","08","09","10","11","12") then do; IF BRYEAR NOTIN (7777,9999,.) then do; YEARDIFF=IYEAR - BRYEAR; CHILDAGE=(YEARDIFF*12); End; Else IF BRYEAR IN (7777,9999) then CHILDAGE=777; END; End; End; End; End; IF CHILDAGE GE 216 AND CHILDAGE NOTIN (777,999) then DO; CHILDAGE=.; END; IF RCSBIRTH in ("777777","999999") then do; IF RCSBIRTH="777777" then CHILDAGE=777; ELSE IF RCSBIRTH="999999" then CHILDAGE=999; END;</pre> |
|--|---|

Child Weighting Calculated Variables in the 2021 BRFSS Data File

| <b>Module: 21 Random Child Selection</b> |  |   |
|--|--|---|
| <b>CAGEG</b>                             | <i>Calculated variable for four level child age.</i> |   |
| 1  | 0 months to < 5 years of age                         | CHILDAGE < 60   |
| 2  | 5 to < 10 years of age                               | CHILDAGE >/= 60 and CHILDAGE < 120  |
| 3  | 10 to < 15 years of age                              | CHILDAGE >/= 120 and CHILDAGE < 180   |
| 4  | 15 to < 18 years of age                              | CHILDAGE >/= 180 and CHILDAGE < 216   |
|  | <b>SAS Code:</b>                                     | If 0 LE CHILDAGE LT 60 then CAGEG = 1;<br>ELSE IF 60 LE CHILDAGE LT 120 then CAGEG = 2;<br>ELSE IF 120 LE CHILDAGE LT 180 then CAGEG = 3;<br>ELSE IF 180 LE CHILDAGE LT 216 then CAGEG = 4; |