

**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		
CHISPNC Calculated variable for child Hispanic, Latino/a, or spanish origin calculated variable.		
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)
	SAS Code:	<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		
CRACORG1 Calculated variable for rcsrace1 with 77, 88, 80, 99s removed.		
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)
	SAS Code:	<pre>*****; * Define CRACORG1 *; * Remove 77's, 80's, 88's and 99's *; *****; IF LENGTH(RCSRACE1) > 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>

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

SAS Code:

```
*****;
* Create CRACASC1 *;
*****;
IF (LEFT(COMPRESS(LENGTH(CRACORG1)))) > 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 &M. ***;
%LET R=%eval((&M.*2)-1);
%put *** R IS EQUAL TO &r. ***;
%do s=41 %to 47;
if substr(CRAC_VALID,&R.,2)=&s. then do;
CRAC_VALID=TRANWRD(CRAC_VALID,"&S.", "40");
end;
%end;
%do t=51 %to 54;
if substr(CRAC_VALID,&R.,2)=&t. then do;
CRAC_VALID=TRANWRD(CRAC_VALID,"&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;
```

Child Weighting Calculated Variables in the 2021 BRFSS Data File

Module: 21 Random Child Selection		
CRACE1	Calculated variable for child multiracial race categorization.	
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)
	SAS Code:	<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

Module: 21 Random Child Selection		
CHLDAGE Calculated variable for child age (in months).		
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).*

SAS Code:

```
*****
*****;
* 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;
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;
```

Child Weighting Calculated Variables in the 2021 BRFSS Data File

Module: 21 Random Child Selection		
CAGEG	<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
	SAS Code:	<pre> If 0 LE CHILDAGE LT 60 then CAGEG = 1; ELSE IF 60 LE CHILDAGE LT 120 then CAGEG = 2; ELSE IF 120 LE CHILDAGE LT 180 then CAGEG = 3; ELSE IF 180 LE CHILDAGE LT 216 then CAGEG = 4; </pre>