Child Weighting Calculated Variables
in the
2023 Data File
of the
Behavioral Risk Factor Surveillance System

(Version #3 - Revised: May 23, 2024)

Module: 31 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 who 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:	```\n*********************************;\n* Define _CHISPNC *;\n* 1=Hispanic, Latino/a, Spanish *;\n*********************************;\nCHISPNUM=INPUT(RCHISLA1,4.0);\nIF CHISPNUM in (5,58) THEN _CHISPNC=2;\n ELSE IF CHISPNUM in (7,9,.) THEN _CHISPNC=9;\n ELSE _CHISPNC=1;\n```

Module: 31 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:	```\n*********************************;\n* Define CRACORG1 *;\n* Remove 77´s, 80´s, 88´s and 99´s *;\n*********************************;\nIF LENGTH(RCSRACE1) > 2 THEN DO;\nCRACEORG77=PUT(COMPRESS(TRANWRD(RCSRACE1,"77","")),28.);\nCRACEORG88=PUT(COMPRESS(TRANWRD(CRACEORG77,"88","")),28.);\nCRACEORG99=PUT(COMPRESS(TRANWRD(CRACEORG88,"99","")),28.);\nCRACORG1=PUT(COMPRESS(TRANWRD(CRACEORG99,"80","")),28.);\nEND;\nELSE DO;\nCRACORG1=RCSRACE1;\nEND;\n```

Module: 31 Random Child Selection		
CRACASC1 *Calculated variable for cracorg1 with responses in ascending order.*		
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)

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Module: 31 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 2023 BRFSS Data File

Module: 31 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 Alaska 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:** | ```
*****************;
* 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;
``` |

Module: 31 Random Child Selection		
CHILDAGE *Calculated variable for child age (in months).*		
0–11	0 Years old	Respondent's child is between 0 and 11 months old
12–23	1 Year old	Respondent's child is between 12 and 23 months old
24–35	2 Years old	Respondent's child is between 24 and 35 months old
36–47	3 Years old	Respondent's child is between 36 and 47 months old
48–59	4 Years old	Respondent's child is between 48 and 59 months old
60–71	5 Years old	Respondent's child is between 60 and 71 months old
72–83	6 Years old	Respondent's child is between 72 and 83 months old
84–95	7 Years old	Respondent's child is between 84 and 95 months old
96–107	8 Years old	Respondent's child is between 96 and 107 months old
108–119	9 Years old	Respondent's child is between 108 and 119 months old
120–131	10 Years old	Respondent's child is between 120 and 131 months old
132–143	11 Years old	Respondent's child is between 132 and 143 months old
144–155	12 Years old	Respondent's child is between 144 and 155 months old
156–167	13 Years old	Respondent's child is between 156 and 167 months old
168–179	14 Years old	Respondent's child is between 168 and 179 months old
180–191	15 Years old	Respondent's child is between 180 and 191 months old
192–203	16 Years old	Respondent's child is between 192 and 203 months old
204–215	17 Years old	Respondent's child is between 204 and 215 months old

Module: 31 Random Child Selection			
CHILDAGE *Calculated variable for child age (in months).*			
| | **SAS Code:** | | ```
*************************************************************
***********;
* Create variables to determine age from child's 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;
``` |

Module: 31 Random Child Selection		
CAGEG	*Calculated variable for four level child age.*	
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:	`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;`

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