



```
-----
name: <unnamed>
log: D:\(hidden path)\2021-02-21-CSCpublication.log
log type: text
opened on: 21 Feb 2021, 16:27:21
```

```
1 . /*****
> This file contains all the necessary commands for the analyses of the paper
> published in Ciência & Saúde Coletiva. The paper is authored by Dr Helena Mendes
> Constante, Dr Gerson Luiz Marinho, and Dr João Luiz Bastos. The title is "The
> door is open, but not everyone may enter: Racial inequities in healthcare access
> across three Brazilian surveys".
> DOI currently unavailable.
>
> The paper analysed data from the 2008 National Household Sample Survey (PNAD),
> and 2013 and 2019 National Health Survey (PNS). The microdata is publicly
> through the following website:
> https://www.ibge.gov.br/estatisticas/downloadsestatisticas.html
>
> The file runs by using "PNAD_PNS_subset_appendsvy.dta", which is a result from
> a combination of PNAD and PNS datasets using the function append.
>
> Suggestions and questions are wellcome.
> Contact Helena Mendes Constante via lenaconstante@gmail.com
> *****/
2 .
3 . /*****
> 1 - CLEAR MEMORY, DISABLE SCROLL LOCK, START DATASET
> *****/
4 .
5 .      clear
6 .
7 .      set more off
8 .
9 .      use "(hidden path)\PNAD_PNS_subset_appendsvy.dta", clear
10 .
11 . /*****
> 2 - IDENTIFICATION OF DATASETS
> The datasets were unified with the command "append" which generated a new variable
> of identification called "Dataset"
>
> Dataset == 0 is the specific data of 2008 PNAD
> Dataset == 1 is the specific data of 2013 PNS
> Dataset == 2 is the specific data of 2019 PNS
>
> Below we generate a new variable called "banco" to name each category
> *****/
12 .
13 .      gen banco=Dataset
14 .
15 .      label define banco ///
>          0 "PNAD2008" ///
>          1 "PNS2013" ///
>          2 "PNAD2019"
16 .
17 .      label values banco banco
18 .
19 .      ta banco
```

banco	Freq.	Percent	Cum.
PNAD2008	391,868	44.69	44.69
PNS2013	205,546	23.44	68.14
PNAD2019	279,382	31.86	100.00
Total	876,796	100.00	

```

15 .
16 . /*****
> 3 - IDENTIFICATION AND CONTROL
> *****/

```

```

17 .
18 . //      Identification
19 .      gen ID=_n

```

```

20 .      sum ID

```

Variable	Obs	Mean	Std. Dev.	Min	Max
ID	876,796	438398.5	253109.3	1	876796

```

21 .
22 . //      Labels in common
23 .      label define noyes 0 "No" 1 "Yes"

24 .      label define reasons 0 "No need" 1 "Various reasons"

25 .      label define race 0 "White" 1 "Black/Brown"

26 .
27 . //      State and Region
28 .      ta uf

```

unidade da federação	Freq.	Percent	Cum.
11	19,191	2.19	2.19
12	18,668	2.13	4.32
13	33,250	3.79	8.11
14	16,677	1.90	10.01
15	44,139	5.03	15.05
16	14,804	1.69	16.73
17	16,994	1.94	18.67
21	31,264	3.57	22.24
22	20,836	2.38	24.61
23	48,266	5.50	30.12
24	22,164	2.53	32.65
25	23,459	2.68	35.32
26	46,286	5.28	40.60
27	21,983	2.51	43.11
28	19,558	2.23	45.34
29	54,474	6.21	51.55
31	62,877	7.17	58.72
32	22,811	2.60	61.33
33	50,991	5.82	67.14
35	78,503	8.95	76.09
41	39,738	4.53	80.63
42	24,395	2.78	83.41
43	47,213	5.38	88.79
50	21,728	2.48	91.27
51	19,887	2.27	93.54
52	32,339	3.69	97.23
53	24,301	2.77	100.00
Total	876,796	100.00	

```

29 .      ta uf banco

```

unidade da federação	PNAD2008	banco PNS2013	PNAD2019	Total
11	6,271	5,883	7,037	19,191
12	4,106	6,754	7,808	18,668
13	9,414	11,194	12,642	33,250
14	2,273	6,409	7,995	16,677
15	21,585	9,079	13,475	44,139
16	2,369	6,072	6,363	14,804
17	5,742	5,125	6,127	16,994
21	7,287	6,650	17,327	31,264
22	5,765	6,326	8,745	20,836

23	24,930	9,179	14,157	48,266
24	6,688	6,004	9,472	22,164
25	7,610	6,197	9,652	23,459
26	25,647	8,705	11,934	46,286
27	5,660	6,376	9,947	21,983
28	6,167	5,588	7,803	19,558
29	35,567	8,391	10,516	54,474
31	36,246	11,800	14,831	62,877
32	7,231	5,502	10,078	22,811
33	26,637	10,445	13,909	50,991
35	43,909	17,072	17,522	78,503
41	19,112	9,389	11,237	39,738
42	9,303	4,969	10,123	24,395
43	29,080	8,255	9,878	47,213
50	7,618	5,760	8,350	21,728
51	7,793	4,803	7,291	19,887
52	16,626	7,710	8,003	32,339
53	11,232	5,909	7,160	24,301

Total	391,868	205,546	279,382	876,796

30 . gen state=uf

31 . destring state, replace
state: all characters numeric; replaced as byte

```
32 . label define state ///
> 11 "Rondônia" ///
> 12 "Acre" ///
> 13 "Amazonas" ///
> 14 "Roraima" ///
> 15 "Pará" ///
> 16 "Amapá" ///
> 17 "Tocantins" ///
> 21 "Maranhão" ///
> 22 "Piauá-" ///
> 23 "Ceará" ///
> 24 "Rio Grande do Norte" ///
> 25 "Paraíba" ///
> 26 "Pernambuco" ///
> 27 "Alagoas" ///
> 28 "Sergipe" ///
> 29 "Bahia" ///
> 31 "Minas Gerais" ///
> 32 "Espírito Santo" ///
> 33 "Rio de Janeiro" ///
> 35 "São Paulo" ///
> 41 "Paraná" ///
> 42 "Santa Catarina" ///
> 43 "Rio Grande do Sul" ///
> 50 "Mato Grosso do Sul" ///
> 51 "Mato Grosso" ///
> 52 "Goiás" ///
> 53 "Distrito Federal"
```

33 . label values state state

34 . ta state

state	Freq.	Percent	Cum.

Rondônia	19,191	2.19	2.19
Acre	18,668	2.13	4.32
Amazonas	33,250	3.79	8.11
Roraima	16,677	1.90	10.01
Pará	44,139	5.03	15.05
Amapá	14,804	1.69	16.73
Tocantins	16,994	1.94	18.67
Maranhão	31,264	3.57	22.24
Piauá-	20,836	2.38	24.61
Ceará	48,266	5.50	30.12
Rio Grande do Norte	22,164	2.53	32.65
Paraíba	23,459	2.68	35.32

Pernambuco	46,286	5.28	40.60
Alagoas	21,983	2.51	43.11
Sergipe	19,558	2.23	45.34
Bahia	54,474	6.21	51.55
Minas Gerais	62,877	7.17	58.72
Esp�rito Santo	22,811	2.60	61.33
Rio de Janeiro	50,991	5.82	67.14
S�o Paulo	78,503	8.95	76.09
Paran�	39,738	4.53	80.63
Santa Catarina	24,395	2.78	83.41
Rio Grande do Sul	47,213	5.38	88.79
Mato Grosso do Sul	21,728	2.48	91.27
Mato Grosso	19,887	2.27	93.54
Goi�s	32,339	3.69	97.23
Distrito Federal	24,301	2.77	100.00

Total	876,796	100.00	

35 . ta state banco // Distribution of the sample of States by datasets

state	PNAD2008	PNS2013	PNAD2019	Total

Rond�nia	6,271	5,883	7,037	19,191
Acre	4,106	6,754	7,808	18,668
Amazonas	9,414	11,194	12,642	33,250
Roraima	2,273	6,409	7,995	16,677
Par�	21,585	9,079	13,475	44,139
Amap�	2,369	6,072	6,363	14,804
Tocantins	5,742	5,125	6,127	16,994
Maranh�o	7,287	6,650	17,327	31,264
Piau�	5,765	6,326	8,745	20,836
Cear�	24,930	9,179	14,157	48,266
Rio Grande do Norte	6,688	6,004	9,472	22,164
Para�ba	7,610	6,197	9,652	23,459
Pernambuco	25,647	8,705	11,934	46,286
Alagoas	5,660	6,376	9,947	21,983
Sergipe	6,167	5,588	7,803	19,558
Bahia	35,567	8,391	10,516	54,474
Minas Gerais	36,246	11,800	14,831	62,877
Esp�rito Santo	7,231	5,502	10,078	22,811
Rio de Janeiro	26,637	10,445	13,909	50,991
S�o Paulo	43,909	17,072	17,522	78,503
Paran�	19,112	9,389	11,237	39,738
Santa Catarina	9,303	4,969	10,123	24,395
Rio Grande do Sul	29,080	8,255	9,878	47,213
Mato Grosso do Sul	7,618	5,760	8,350	21,728
Mato Grosso	7,793	4,803	7,291	19,887
Goi�s	16,626	7,710	8,003	32,339
Distrito Federal	11,232	5,909	7,160	24,301

Total	391,868	205,546	279,382	876,796

36 .

37 . gen region=state

38 . recode region 11/17=1 21/29=2 31/35=3 41/43=4 50/53=5
(region: 876796 changes made)

39 . label define region ///
> 1 "North" ///
> 2 "Northeast" ///
> 3 "Southeast" ///
> 4 "South" ///
> 5 "Center-West"

40 . label values region region

41 . ta region

region	Freq.	Percent	Cum.
North	163,723	18.67	18.67
Northeast	288,290	32.88	51.55
Southeast	215,182	24.54	76.09
South	111,346	12.70	88.79
Center-West	98,255	11.21	100.00
Total	876,796	100.00	

42 . ta region banco // Distribution of the sample of regions by datasets

region	PNAD2008	PNAD2013	PNAD2019	Total
North	51,760	50,516	61,447	163,723
Northeast	125,321	63,416	99,553	288,290
Southeast	114,023	44,819	56,340	215,182
South	57,495	22,613	31,238	111,346
Center-West	43,269	24,182	30,804	98,255
Total	391,868	205,546	279,382	876,796

43 .

44 . /*****
 > 4 - Variables related to the use of health services
 > *****/

45 .

46 . /*****
 > 4a. Is your home registered in the family health unit?
 > *****/

47 .

48 . // PNAD2008 (Originally 1-Sim;3-Não)
 49 . ta v0233 if banco==0

domicílio registrado em unidade de saúde familiar	Freq.	Percent	Cum.
1	200,034	51.17	51.17
3	190,864	48.83	100.00
Total	390,898	100.00	

50 . generate registerESF2008=v0233
 (485,898 missing values generated)

51 . recode registerESF2008 1=1 3=0
 (registerESF2008: 190864 changes made)

52 . label values registerESF2008 noyes

53 . ta registerESF2008

registerESF 2008	Freq.	Percent	Cum.
No	190,864	48.83	48.83
Yes	200,034	51.17	100.00
Total	390,898	100.00	

```

54 .
55 . //      PNS2013 (Originally 1-Sim; 2-Não; 3-Não sei)
56 .      ta B001 if banco==1 // equal for 2013 and 2019 PNS

```

B001	Freq.	Percent	Cum.
1	115,353	56.12	56.12
2	65,675	31.95	88.07
3	24,518	11.93	100.00
Total	205,546	100.00	

```

57 .      generate registerESF2013=B001 if banco==1
      (671,250 missing values generated)

```

```

58 .      recode registerESF2013 1=1 2=0 3=.
      (registerESF2013: 90193 changes made)

```

```

59 .      label values registerESF2013 noyes

```

```

60 .      ta registerESF2013

```

registerESF 2013	Freq.	Percent	Cum.
No	65,675	36.28	36.28
Yes	115,353	63.72	100.00
Total	181,028	100.00	

```

61 .
62 . //      PNS2019 (Originally 1-Sim; 2-Não; 3-Não sei)
63 .      ta B001 if banco==2

```

B001	Freq.	Percent	Cum.
1	183,072	65.53	65.53
2	64,748	23.18	88.70
3	31,562	11.30	100.00
Total	279,382	100.00	

```

64 .      generate registerESF2019=B001 if banco==2
      (597,414 missing values generated)

```

```

65 .      recode registerESF2019 1=1 2=0 3=.
      (registerESF2019: 96310 changes made)

```

```

66 .      label values registerESF2019 noyes

```

```

67 .      ta registerESF2019

```

registerESF 2019	Freq.	Percent	Cum.
No	64,748	26.13	26.13
Yes	183,072	73.87	100.00
Total	247,820	100.00	

```

68 .

```

```

69 . /*****
> 4b. Do you have any health, medical or dental plans, private, company or from a
> public agency?
> *****/

```

```

70 .
71 . //      PNAD2008
72 .      ta v1321

```

Tem direito a plano de saúde	Freq.	Percent	Cum.
1	86,942	22.19	22.19
3	10,626	2.71	24.90
5	294,300	75.10	100.00
Total	391,868	100.00	

```

73 .      gen planPNAD2008=v1321
(484,928 missing values generated)

```

```

74 .      recode planPNAD2008 1/3=1 5=0
(planPNAD2008: 304926 changes made)

```

```

75 .      label values planPNAD2008 noyes

```

```

76 .      ta planPNAD2008

```

planPNAD2008	Freq.	Percent	Cum.
No	294,300	75.10	75.10
Yes	97,568	24.90	100.00
Total	391,868	100.00	

```

77 .
78 . //      PNS2013
79 .      ta I001

```

I001	Freq.	Percent	Cum.
1	50,692	24.66	24.66
2	154,854	75.34	100.00
Total	205,546	100.00	

```

80 .      gen planPNS2013=I001
(671,250 missing values generated)

```

```

81 .      recode planPNS2013 1=1 2=0
(planPNS2013: 154854 changes made)

```

```

82 .      label values planPNS2013 noyes

```

```

83 .      ta planPNS2013

```

planPNS2013	Freq.	Percent	Cum.
No	154,854	75.34	75.34
Yes	50,692	24.66	100.00
Total	205,546	100.00	

```

84 .
85 . //      PNS2019
86 .      ta I00101

```

I00101	Freq.	Percent	Cum.
1	31,511	11.28	11.28
2	247,871	88.72	100.00
Total	279,382	100.00	

```

87 .      gen planPNS2019=I00101
      (597,414 missing values generated)

```

```

88 .      recode planPNS2019 1=1 2=0
      (planPNS2019: 247871 changes made)

```

```

89 .      label values planPNS2019 noyes

```

```

90 .      ta planPNS2019

```

planPNS2019	Freq.	Percent	Cum.
No	247,871	88.72	88.72
Yes	31,511	11.28	100.00
Total	279,382	100.00	

```

91 .
92 . /*****
> 4c. In the first time you sought health care, in the last two weeks,
> were you cared?
> *****/

```

```

93 .
94 . //      PNAD2008 (Originally 2=Sim,4=NÃ£o)
95 .      ta v1354

```

Nessa			
primeira			
vez que			
procurou			
atendimento			
de saude			
foi			
atendido	Freq.	Percent	Cum.
2	53,525	95.94	95.94
4	2,265	4.06	100.00
Total	55,790	100.00	

```

96 .      gen cared2w_PNAD2008=v1354
      (821,006 missing values generated)

```

```

97 .      recode cared2w_PNAD2008 2=1 4=0
      (cared2w_PNAD2008: 55790 changes made)

```

```

98 .      label values cared2w_PNAD2008 noyes

```

```

99 .      ta cared2w_PNAD2008

```

cared2w_PNA D2008	Freq.	Percent	Cum.
No	2,265	4.06	4.06
Yes	53,525	95.94	100.00
Total	55,790	100.00	


```

100 .
101 . //      PNS2013 (Originally 1=Sim,2=NÃ£o)
102 .      ta J017

```

J017	Freq.	Percent	Cum.
1	27,153	94.63	94.63
2	1,541	5.37	100.00
Total	28,694	100.00	

```

103 .      gen cared2w_PNS2013=J017
      (848,102 missing values generated)

```

```

104 .      recode cared2w_PNS2013 1=1 2=0
      (cared2w_PNS2013: 1541 changes made)

```

```

105 .      label values cared2w_PNS2013 noyes

```

```

106 .      ta cared2w_PNS2013

```

cared2w_PNS 2013	Freq.	Percent	Cum.
No	1,541	5.37	5.37
Yes	27,153	94.63	100.00
Total	28,694	100.00	

```

107 .
108 . //      PNS2019 (Originally 1=Foi agendado para outro dia/local, 2=NÃ£o, 3=Sim)
109 .      ta J01701

```

J01701	Freq.	Percent	Cum.
1	11,130	23.72	23.72
2	1,294	2.76	26.48
3	34,490	73.52	100.00
Total	46,914	100.00	

```

110 .      gen cared2w_PNS2019=J01701
      (829,882 missing values generated)

```

```

111 .      recode cared2w_PNS2019 1=1 2=0 3=1 //como considerar o 1?
      (cared2w_PNS2019: 35784 changes made)

```

```

112 .      label values cared2w_PNS2019 noyes

```

```

113 .      ta cared2w_PNS2019

```

cared2w_PNS 2019	Freq.	Percent	Cum.
No	1,294	2.76	2.76
Yes	45,620	97.24	100.00
Total	46,914	100.00	

```

114 .
115 . /*****
> 4d. In the past two weeks, why did you not seek health care?
> *****/

```

```

116 .
117 . //      PNAD2008
118 .      ta v3368

```

Nas duas últimas semanas, por que motivo não procurou serviço de saúde	Freq.	Percent	Cum.
1	324,118	96.14	96.14
2	2,349	0.70	96.84
3	1,705	0.51	97.34
4	784	0.23	97.58
5	1,868	0.55	98.13
6	2,427	0.72	98.85
7	1,181	0.35	99.20
8	44	0.01	99.21
9	259	0.08	99.29
10	329	0.10	99.39
11	49	0.01	99.40
12	2,010	0.60	100.00
Total	337,123	100.00	

```

119 .      codebook v3368

```

```

-----
v3368      Nas duas últimas semanas, por que motivo não procurou serviço de saúde
-----

```

```

      type: numeric (byte)

```

```

      range: [1,12]      units: 1
unique values: 12      missing .: 539,673/876,796

```

```

      mean: 1.18612
      std. dev: 1.13085

```

```

      percentiles:      10%      25%      50%      75%      90%
                        1         1         1         1         1

```

```

120 .      gen notseekPNAD2008=v3368
      (539,673 missing values generated)

```

```

121 .      recode notseekPNAD2008 1=0 2/11=1 12=.
      (notseekPNAD2008: 337123 changes made)

```

```

122 .      label values notseekPNAD2008 reasons

```

```

123 .      ta notseekPNAD2008

```

notseekPNAD2008	Freq.	Percent	Cum.
No need	324,118	96.72	96.72
Various reasons	10,995	3.28	100.00
Total	335,113	100.00	

```

124 .
125 . //      PNS2013
126 .      ta J036

```

J036	Freq.	Percent	Cum.
01	169,867	82.64	82.64
02	1,010	0.49	83.13
03	1,332	0.65	83.78
04	619	0.30	84.08
05	1,706	0.83	84.91
06	696	0.34	85.25
07	37	0.02	85.27
08	107	0.05	85.32
09	213	0.10	85.42
10	115	0.06	85.48
11	122	0.06	85.54
12	1,028	0.50	86.04
NA	28,694	13.96	100.00
-----+-----			
Total	205,546	100.00	

```

127 .      encode J036, generate (notseekPNS2013)

```

```

128 .      ta notseekPNS2013,nolab

```

J036	Freq.	Percent	Cum.
1	169,867	82.64	82.64
2	1,010	0.49	83.13
3	1,332	0.65	83.78
4	619	0.30	84.08
5	1,706	0.83	84.91
6	696	0.34	85.25
7	37	0.02	85.27
8	107	0.05	85.32
9	213	0.10	85.42
10	115	0.06	85.48
11	122	0.06	85.54
12	1,028	0.50	86.04
13	28,694	13.96	100.00
-----+-----			
Total	205,546	100.00	

```

129 .      recode notseekPNS2013 1=0 2/11=1 12=. 13=.
        (notseekPNS2013: 205546 changes made)

```

```

130 .      label values notseekPNS2013 reasons

```

```

131 .      ta notseekPNS2013

```

J036	Freq.	Percent	Cum.
No need	169,867	96.61	96.61
Various reasons	5,957	3.39	100.00
-----+-----			
Total	175,824	100.00	

```

132 .
133 . //      PNS2019
134 .      ta J03602

```

J03602	Freq.	Percent	Cum.
1	223,867	96.30	96.30
2	1,546	0.67	96.97
3	1,404	0.60	97.57
4	944	0.41	97.98
5	2,192	0.94	98.92
6	1,047	0.45	99.37
7	40	0.02	99.39
8	155	0.07	99.45
9	275	0.12	99.57
10	110	0.05	99.62
11	888	0.38	100.00
Total	232,468	100.00	

135 . generate notseekPNS2019=J03602
(644,328 missing values generated)

136 . ta notseekPNS2019,nolab

notseekPNS2 019	Freq.	Percent	Cum.
1	223,867	96.30	96.30
2	1,546	0.67	96.97
3	1,404	0.60	97.57
4	944	0.41	97.98
5	2,192	0.94	98.92
6	1,047	0.45	99.37
7	40	0.02	99.39
8	155	0.07	99.45
9	275	0.12	99.57
10	110	0.05	99.62
11	888	0.38	100.00
Total	232,468	100.00	

137 . recode notseekPNS2019 1=0 2/11=1
(notseekPNS2019: 232468 changes made)

138 . label values notseekPNS2019 reasons

139 . ta notseekPNS2019

notseekPNS2019	Freq.	Percent	Cum.
No need	223,867	96.30	96.30
Various reasons	8,601	3.70	100.00
Total	232,468	100.00	

140 .

141 . /*****
> 4e. Difficulty of access (4f + 4g + 4h)
> *****/

142 .

143 . // PNAD2008

144 . ta cared2w_PNAD2008

cared2w_PNA D2008	Freq.	Percent	Cum.
No	2,265	4.06	4.06
Yes	53,525	95.94	100.00
Total	55,790	100.00	

145 . ta notseekPNAD2008

notseekPNAD2008	Freq.	Percent	Cum.
No need	324,118	96.72	96.72
Various reasons	10,995	3.28	100.00
Total	335,113	100.00	

146 .

147 . egen byte accessPNAD2008 = anymatch(cared2w_PNAD2008 notseekPNAD2008) ///
> if cared2w_PNAD2008==0 | notseekPNAD2008==1, values(1)

148 . ta accessPNAD2008

cared2w_PNAD2008	Freq.	Percent	Cum.
0	865,801	98.75	98.75
1	10,995	1.25	100.00
Total	876,796	100.00	

149 . label value accessPNAD2008 noyes

150 . ta accessPNAD2008 if banco==0

cared2w_PNAD2008	Freq.	Percent	Cum.
No	380,873	97.19	97.19
Yes	10,995	2.81	100.00
Total	391,868	100.00	

151 .

152 . // PNS2013

153 . ta cared2w_PNS2013

cared2w_PNS2013	Freq.	Percent	Cum.
No	1,541	5.37	5.37
Yes	27,153	94.63	100.00
Total	28,694	100.00	

154 . ta notseekPNS2013

J036	Freq.	Percent	Cum.
No need	169,867	96.61	96.61
Various reasons	5,957	3.39	100.00
Total	175,824	100.00	

155 .

```
156 .      egen byte accessPNS2013 = anymatch(cared2w_PNS2013 notseekPNS2013) ///
>      if cared2w_PNS2013==0 | notseekPNS2013==1, values(1)
```

```
157 .      ta accessPNS2013
```

cared2w_PNS 2013			
notseekPNS2 013 == 1	Freq.	Percent	Cum.
0	870,839	99.32	99.32
1	5,957	0.68	100.00
Total	876,796	100.00	

```
158 .      label value accessPNS2013 noyes
```

```
159 .      ta accessPNS2013 if banco==1
```

cared2w_PNS 2013			
notseekPNS2 013 == 1	Freq.	Percent	Cum.
No	199,589	97.10	97.10
Yes	5,957	2.90	100.00
Total	205,546	100.00	

```
160 .
161 . // PNS2019
```

```
162 .      ta cared2w_PNS2019
```

cared2w_PNS 2019			
	Freq.	Percent	Cum.
No	1,294	2.76	2.76
Yes	45,620	97.24	100.00
Total	46,914	100.00	

```
163 .      ta notseekPNS2019
```

notseekPNS2019	Freq.	Percent	Cum.
No need	223,867	96.30	96.30
Various reasons	8,601	3.70	100.00
Total	232,468	100.00	

```
164 .
165 .      egen byte accessPNS2019 = anymatch(cared2w_PNS2019 notseekPNS2019) ///
>      if cared2w_PNS2019==0 | notseekPNS2019==1, values(1)
```

```
166 .      ta accessPNS2019
```

cared2w_PNS 2019			
notseekPNS2 019 == 1	Freq.	Percent	Cum.
0	868,195	99.02	99.02
1	8,601	0.98	100.00
Total	876,796	100.00	

167 . label value accessPNS2019 noyes

168 . ta accessPNS2019 if banco==2

cared2w_PNS 2019 notseekPNS2 019 == 1	Freq.	Percent	Cum.
No	270,781	96.92	96.92
Yes	8,601	3.08	100.00
Total	279,382	100.00	

169 .

170 . /*****
> 5 - Main exploratory variable
> *****/

171 .

172 . /*****
> Race
> *****/

173 .

174 . // PNAD2008
175 . ta v0404

cor ou raca	Freq.	Percent	Cum.
0	1,252	0.32	0.32
2	175,572	44.80	45.12
4	28,680	7.32	52.44
6	1,856	0.47	52.92
8	184,232	47.01	99.93
9	276	0.07	100.00
Total	391,868	100.00	

176 . generate racePNAD2008=v0404
(484,928 missing values generated)

177 . recode racePNAD2008 0=. 2=0 4=1 6=. 8=1 9=.
(racePNAD2008: 391868 changes made)

178 . label values racePNAD2008 race

179 . ta racePNAD2008

racePNAD200 8	Freq.	Percent	Cum.
White	175,572	45.19	45.19
Black/Brown	212,912	54.81	100.00
Total	388,484	100.00	

180 .

181 . // PNS2013

182 . generate racePNS2013=C009 if banco==1 // igual para os bancos de PNS2013 e 2019
(671,250 missing values generated)

183 . ta racePNS2013

racePNS2013	Freq.	Percent	Cum.
1	78,177	38.03	38.03
2	17,461	8.49	46.53
3	1,557	0.76	47.29
4	106,910	52.01	99.30
5	1,436	0.70	100.00
9	5	0.00	100.00
Total	205,546	100.00	

184 . recode racePNS2013 1=0 2=1 3=. 4=1 5=. 9=.
(racePNS2013: 205546 changes made)

185 . label values racePNS2013 race

186 . ta racePNS2013

racePNS2013	Freq.	Percent	Cum.
White	78,177	38.60	38.60
Black/Brown	124,371	61.40	100.00
Total	202,548	100.00	

187 .

188 . // PNS2019

189 . generate racePNS2019=C009 if banco==2
(597,414 missing values generated)

190 . ta racePNS2019

racePNS2019	Freq.	Percent	Cum.
1	99,019	35.44	35.44
2	28,304	10.13	45.57
3	1,698	0.61	46.18
4	148,273	53.07	99.25
5	2,064	0.74	99.99
9	24	0.01	100.00
Total	279,382	100.00	

191 . recode racePNS2019 1=0 2=1 3=. 4=1 5=. 9=.
(racePNS2019: 279382 changes made)

192 . label values racePNS2019 race

193 . ta racePNS2019

racePNS2019	Freq.	Percent	Cum.
White	99,019	35.93	35.93
Black/Brown	176,577	64.07	100.00
Total	275,596	100.00	

194 .

195 . /*****
> 6 - Restrictions
> *****/

196 .

197 . /*****
> 6a - Age
> *****/

198 .

199 . // PNAD2008

200 . ta v8005

idade do morador	Freq.	Percent	Cum.
0	5,399	1.38	1.38
1	5,538	1.41	2.79
2	5,723	1.46	4.25
3	6,061	1.55	5.80
4	6,093	1.55	7.35
5	6,056	1.55	8.90
6	6,271	1.60	10.50
7	6,474	1.65	12.15
8	7,104	1.81	13.96
9	7,225	1.84	15.81
10	7,178	1.83	17.64
11	7,203	1.84	19.48

12	7,399	1.89	21.37
13	7,518	1.92	23.28
14	7,455	1.90	25.19
15	7,185	1.83	27.02
16	7,289	1.86	28.88
17	7,020	1.79	30.67
18	6,923	1.77	32.44
19	6,938	1.77	34.21
20	7,152	1.83	36.03
21	6,841	1.75	37.78
22	7,119	1.82	39.60
23	6,909	1.76	41.36
24	6,755	1.72	43.08
25	7,029	1.79	44.88
26	7,030	1.79	46.67
27	6,875	1.75	48.42
28	6,705	1.71	50.14
29	6,431	1.64	51.78
30	6,468	1.65	53.43
31	6,019	1.54	54.96
32	5,995	1.53	56.49
33	5,961	1.52	58.01
34	5,949	1.52	59.53
35	5,741	1.47	61.00
36	5,686	1.45	62.45
37	5,430	1.39	63.83
38	5,614	1.43	65.27
39	5,552	1.42	66.68
40	5,885	1.50	68.19
41	5,219	1.33	69.52
42	5,663	1.45	70.96
43	5,561	1.42	72.38
44	5,367	1.37	73.75
45	5,220	1.33	75.08
46	4,975	1.27	76.35
47	4,545	1.16	77.51
48	4,928	1.26	78.77
49	4,462	1.14	79.91
50	4,601	1.17	81.08
51	4,072	1.04	82.12
52	4,269	1.09	83.21
53	4,148	1.06	84.27
54	3,977	1.01	85.29
55	3,659	0.93	86.22
56	3,550	0.91	87.12
57	3,081	0.79	87.91
58	3,232	0.82	88.74
59	2,872	0.73	89.47
60	2,983	0.76	90.23
61	2,677	0.68	90.91
62	2,471	0.63	91.54
63	2,341	0.60	92.14
64	2,360	0.60	92.74
65	2,231	0.57	93.31
66	2,159	0.55	93.86
67	1,912	0.49	94.35
68	2,076	0.53	94.88
69	1,821	0.46	95.35
70	1,731	0.44	95.79
71	1,494	0.38	96.17
72	1,561	0.40	96.57
73	1,447	0.37	96.94
74	1,221	0.31	97.25
75	1,130	0.29	97.54
76	1,173	0.30	97.84
77	999	0.25	98.09
78	1,119	0.29	98.38
79	845	0.22	98.59
80	810	0.21	98.80
81	687	0.18	98.97
82	643	0.16	99.14
83	579	0.15	99.29
84	445	0.11	99.40

85	425	0.11	99.51
86	372	0.09	99.60
87	280	0.07	99.67
88	266	0.07	99.74
89	192	0.05	99.79
90	176	0.04	99.84
91	132	0.03	99.87
92	117	0.03	99.90
93	89	0.02	99.92
94	80	0.02	99.94
95	47	0.01	99.95
96	40	0.01	99.96
97	30	0.01	99.97
98	39	0.01	99.98
99	13	0.00	99.99
100	10	0.00	99.99
101	14	0.00	99.99
102	7	0.00	99.99
103	8	0.00	100.00
104	8	0.00	100.00
105	4	0.00	100.00
107	3	0.00	100.00
108	2	0.00	100.00

Total	391,868	100.00	

201 . generate agePNAD2008=v8005
(484,928 missing values generated)

202 . codebook agePNAD2008

agePNAD2008 (unlabeled)

type: numeric (float)

range: [0,108]
unique values: 108

units: 1
missing .: 484,928/876,796

mean: 31.2201
std. dev: 20.4024

percentiles:	10%	25%	50%	75%	90%
	6	14	28	45	60

203 . ta agePNAD2008 // indivÃ-duos com 18 anos ou mais usar ">18"

agePNAD2008	Freq.	Percent	Cum.

0	5,399	1.38	1.38
1	5,538	1.41	2.79
2	5,723	1.46	4.25
3	6,061	1.55	5.80
4	6,093	1.55	7.35
5	6,056	1.55	8.90
6	6,271	1.60	10.50
7	6,474	1.65	12.15
8	7,104	1.81	13.96
9	7,225	1.84	15.81
10	7,178	1.83	17.64
11	7,203	1.84	19.48
12	7,399	1.89	21.37
13	7,518	1.92	23.28
14	7,455	1.90	25.19
15	7,185	1.83	27.02
16	7,289	1.86	28.88
17	7,020	1.79	30.67
18	6,923	1.77	32.44
19	6,938	1.77	34.21
20	7,152	1.83	36.03
21	6,841	1.75	37.78
22	7,119	1.82	39.60

23	6,909	1.76	41.36
24	6,755	1.72	43.08
25	7,029	1.79	44.88
26	7,030	1.79	46.67
27	6,875	1.75	48.42
28	6,705	1.71	50.14
29	6,431	1.64	51.78
30	6,468	1.65	53.43
31	6,019	1.54	54.96
32	5,995	1.53	56.49
33	5,961	1.52	58.01
34	5,949	1.52	59.53
35	5,741	1.47	61.00
36	5,686	1.45	62.45
37	5,430	1.39	63.83
38	5,614	1.43	65.27
39	5,552	1.42	66.68
40	5,885	1.50	68.19
41	5,219	1.33	69.52
42	5,663	1.45	70.96
43	5,561	1.42	72.38
44	5,367	1.37	73.75
45	5,220	1.33	75.08
46	4,975	1.27	76.35
47	4,545	1.16	77.51
48	4,928	1.26	78.77
49	4,462	1.14	79.91
50	4,601	1.17	81.08
51	4,072	1.04	82.12
52	4,269	1.09	83.21
53	4,148	1.06	84.27
54	3,977	1.01	85.29
55	3,659	0.93	86.22
56	3,550	0.91	87.12
57	3,081	0.79	87.91
58	3,232	0.82	88.74
59	2,872	0.73	89.47
60	2,983	0.76	90.23
61	2,677	0.68	90.91
62	2,471	0.63	91.54
63	2,341	0.60	92.14
64	2,360	0.60	92.74
65	2,231	0.57	93.31
66	2,159	0.55	93.86
67	1,912	0.49	94.35
68	2,076	0.53	94.88
69	1,821	0.46	95.35
70	1,731	0.44	95.79
71	1,494	0.38	96.17
72	1,561	0.40	96.57
73	1,447	0.37	96.94
74	1,221	0.31	97.25
75	1,130	0.29	97.54
76	1,173	0.30	97.84
77	999	0.25	98.09
78	1,119	0.29	98.38
79	845	0.22	98.59
80	810	0.21	98.80
81	687	0.18	98.97
82	643	0.16	99.14
83	579	0.15	99.29
84	445	0.11	99.40
85	425	0.11	99.51
86	372	0.09	99.60
87	280	0.07	99.67
88	266	0.07	99.74
89	192	0.05	99.79
90	176	0.04	99.84
91	132	0.03	99.87
92	117	0.03	99.90
93	89	0.02	99.92
94	80	0.02	99.94
95	47	0.01	99.95

96	40	0.01	99.96
97	30	0.01	99.97
98	39	0.01	99.98
99	13	0.00	99.99
100	10	0.00	99.99
101	14	0.00	99.99
102	7	0.00	99.99
103	8	0.00	100.00
104	8	0.00	100.00
105	4	0.00	100.00
107	3	0.00	100.00
108	2	0.00	100.00
<hr/>			
Total	391,868	100.00	

204 .
205 . // PNS2013
206 . ta C008 if banco==1

C008	Freq.	Percent	Cum.
<hr/>			
000	2,736	1.33	1.33
001	2,722	1.32	2.66
002	2,959	1.44	4.09
003	3,045	1.48	5.58
004	2,987	1.45	7.03
005	2,986	1.45	8.48
006	3,137	1.53	10.01
007	3,258	1.59	11.59
008	3,251	1.58	13.18
009	3,251	1.58	14.76
010	3,403	1.66	16.41
011	3,410	1.66	18.07
012	3,623	1.76	19.83
013	3,876	1.89	21.72
014	3,756	1.83	23.55
015	3,813	1.86	25.40
016	3,814	1.86	27.26
017	3,939	1.92	29.17
018	3,878	1.89	31.06
019	3,636	1.77	32.83
020	3,484	1.69	34.52
021	3,421	1.66	36.19
022	3,334	1.62	37.81
023	3,386	1.65	39.46
024	3,315	1.61	41.07
025	3,296	1.60	42.67
026	3,177	1.55	44.22
027	3,352	1.63	45.85
028	3,217	1.57	47.42
029	3,368	1.64	49.05
030	3,450	1.68	50.73
031	3,477	1.69	52.42
032	3,459	1.68	54.11
033	3,366	1.64	55.75
034	3,244	1.58	57.32
035	3,301	1.61	58.93
036	3,136	1.53	60.46
037	3,020	1.47	61.92
038	3,100	1.51	63.43
039	2,828	1.38	64.81
040	3,044	1.48	66.29
041	2,689	1.31	67.60
042	2,902	1.41	69.01
043	2,843	1.38	70.39
044	2,699	1.31	71.71
045	2,690	1.31	73.01
046	2,567	1.25	74.26
047	2,580	1.26	75.52
048	2,607	1.27	76.79
049	2,560	1.25	78.03
050	2,588	1.26	79.29
051	2,308	1.12	80.41

052	2,240	1.09	81.50
053	2,294	1.12	82.62
054	2,096	1.02	83.64
055	2,111	1.03	84.67
056	1,945	0.95	85.61
057	1,986	0.97	86.58
058	1,894	0.92	87.50
059	1,877	0.91	88.41
060	1,749	0.85	89.26
061	1,645	0.80	90.06
062	1,535	0.75	90.81
063	1,508	0.73	91.55
064	1,314	0.64	92.18
065	1,431	0.70	92.88
066	1,208	0.59	93.47
067	1,090	0.53	94.00
068	1,010	0.49	94.49
069	1,027	0.50	94.99
070	974	0.47	95.46
071	866	0.42	95.89
072	813	0.40	96.28
073	833	0.41	96.69
074	741	0.36	97.05
075	697	0.34	97.39
076	599	0.29	97.68
077	624	0.30	97.98
078	512	0.25	98.23
079	410	0.20	98.43
080	427	0.21	98.64
081	379	0.18	98.82
082	350	0.17	98.99
083	325	0.16	99.15
084	294	0.14	99.29
085	264	0.13	99.42
086	216	0.11	99.53
087	189	0.09	99.62
088	149	0.07	99.69
089	122	0.06	99.75
090	120	0.06	99.81
091	79	0.04	99.85
092	62	0.03	99.88
093	59	0.03	99.91
094	50	0.02	99.93
095	34	0.02	99.95
096	29	0.01	99.96
097	21	0.01	99.97
098	17	0.01	99.98
099	13	0.01	99.99
100	10	0.00	99.99
101	7	0.00	99.99
102	4	0.00	100.00
103	2	0.00	100.00
105	1	0.00	100.00
106	2	0.00	100.00
107	3	0.00	100.00
109	1	0.00	100.00

Total	205,546	100.00	

207 . codebook C008

C008

C008

type: string (str3)

unique values: 210

missing "": 391,868/876,796

```
examples: ""
          ""
          "039"
          "31"
```

```
208 . generate agePNS2013=C008 if banco==1
      (671,250 missing values generated)
```

```
209 . destring agePNS2013, replace
      agePNS2013: all characters numeric; replaced as int
      (671250 missing values generated)
```

```
210 . ta agePNS2013 // indivÃ-duos com 18 anos ou mais usar ">18"
```

agePNS2013	Freq.	Percent	Cum.
0	2,736	1.33	1.33
1	2,722	1.32	2.66
2	2,959	1.44	4.09
3	3,045	1.48	5.58
4	2,987	1.45	7.03
5	2,986	1.45	8.48
6	3,137	1.53	10.01
7	3,258	1.59	11.59
8	3,251	1.58	13.18
9	3,251	1.58	14.76
10	3,403	1.66	16.41
11	3,410	1.66	18.07
12	3,623	1.76	19.83
13	3,876	1.89	21.72
14	3,756	1.83	23.55
15	3,813	1.86	25.40
16	3,814	1.86	27.26
17	3,939	1.92	29.17
18	3,878	1.89	31.06
19	3,636	1.77	32.83
20	3,484	1.69	34.52
21	3,421	1.66	36.19
22	3,334	1.62	37.81
23	3,386	1.65	39.46
24	3,315	1.61	41.07
25	3,296	1.60	42.67
26	3,177	1.55	44.22
27	3,352	1.63	45.85
28	3,217	1.57	47.42
29	3,368	1.64	49.05
30	3,450	1.68	50.73
31	3,477	1.69	52.42
32	3,459	1.68	54.11
33	3,366	1.64	55.75
34	3,244	1.58	57.32
35	3,301	1.61	58.93
36	3,136	1.53	60.46
37	3,020	1.47	61.92
38	3,100	1.51	63.43
39	2,828	1.38	64.81
40	3,044	1.48	66.29
41	2,689	1.31	67.60
42	2,902	1.41	69.01
43	2,843	1.38	70.39
44	2,699	1.31	71.71
45	2,690	1.31	73.01
46	2,567	1.25	74.26
47	2,580	1.26	75.52
48	2,607	1.27	76.79
49	2,560	1.25	78.03
50	2,588	1.26	79.29
51	2,308	1.12	80.41
52	2,240	1.09	81.50
53	2,294	1.12	82.62
54	2,096	1.02	83.64
55	2,111	1.03	84.67
56	1,945	0.95	85.61

57	1,986	0.97	86.58
58	1,894	0.92	87.50
59	1,877	0.91	88.41
60	1,749	0.85	89.26
61	1,645	0.80	90.06
62	1,535	0.75	90.81
63	1,508	0.73	91.55
64	1,314	0.64	92.18
65	1,431	0.70	92.88
66	1,208	0.59	93.47
67	1,090	0.53	94.00
68	1,010	0.49	94.49
69	1,027	0.50	94.99
70	974	0.47	95.46
71	866	0.42	95.89
72	813	0.40	96.28
73	833	0.41	96.69
74	741	0.36	97.05
75	697	0.34	97.39
76	599	0.29	97.68
77	624	0.30	97.98
78	512	0.25	98.23
79	410	0.20	98.43
80	427	0.21	98.64
81	379	0.18	98.82
82	350	0.17	98.99
83	325	0.16	99.15
84	294	0.14	99.29
85	264	0.13	99.42
86	216	0.11	99.53
87	189	0.09	99.62
88	149	0.07	99.69
89	122	0.06	99.75
90	120	0.06	99.81
91	79	0.04	99.85
92	62	0.03	99.88
93	59	0.03	99.91
94	50	0.02	99.93
95	34	0.02	99.95
96	29	0.01	99.96
97	21	0.01	99.97
98	17	0.01	99.98
99	13	0.01	99.99
100	10	0.00	99.99
101	7	0.00	99.99
102	4	0.00	100.00
103	2	0.00	100.00
105	1	0.00	100.00
106	2	0.00	100.00
107	3	0.00	100.00
109	1	0.00	100.00

-----+-----

Total	205,546	100.00
-------	---------	--------

211 .
 212 . // PNS2019
 213 . ta C008 if banco==2

C008	Freq.	Percent	Cum.
-----+-----			
0	3,349	1.20	1.20
1	3,534	1.26	2.46
10	4,248	1.52	3.98
100	15	0.01	3.99
101	13	0.00	3.99
102	4	0.00	4.00
103	9	0.00	4.00
104	7	0.00	4.00
105	1	0.00	4.00
106	3	0.00	4.00
107	2	0.00	4.00
11	4,087	1.46	5.47
112	1	0.00	5.47

12	4,252	1.52	6.99
13	4,294	1.54	8.53
14	4,468	1.60	10.12
15	4,454	1.59	11.72
16	4,364	1.56	13.28
17	4,432	1.59	14.87
18	4,667	1.67	16.54
19	4,508	1.61	18.15
2	3,432	1.23	19.38
20	4,272	1.53	20.91
21	4,266	1.53	22.44
22	4,375	1.57	24.00
23	4,255	1.52	25.52
24	4,234	1.52	27.04
25	4,086	1.46	28.50
26	3,874	1.39	29.89
27	3,910	1.40	31.29
28	3,725	1.33	32.62
29	3,838	1.37	34.00
3	3,665	1.31	35.31
30	4,153	1.49	36.79
31	4,029	1.44	38.24
32	4,065	1.45	39.69
33	4,086	1.46	41.15
34	4,088	1.46	42.62
35	4,155	1.49	44.10
36	4,329	1.55	45.65
37	4,460	1.60	47.25
38	4,244	1.52	48.77
39	4,264	1.53	50.30
4	3,807	1.36	51.66
40	4,287	1.53	53.19
41	3,905	1.40	54.59
42	4,036	1.44	56.04
43	3,921	1.40	57.44
44	3,859	1.38	58.82
45	3,811	1.36	60.18
46	3,777	1.35	61.54
47	3,495	1.25	62.79
48	3,721	1.33	64.12
49	3,726	1.33	65.45
5	3,728	1.33	66.79
50	3,625	1.30	68.08
51	3,499	1.25	69.34
52	3,587	1.28	70.62
53	3,490	1.25	71.87
54	3,486	1.25	73.12
55	3,592	1.29	74.40
56	3,340	1.20	75.60
57	3,091	1.11	76.71
58	3,067	1.10	77.80
59	3,093	1.11	78.91
6	3,838	1.37	80.28
60	2,878	1.03	81.31
61	2,735	0.98	82.29
62	2,630	0.94	83.23
63	2,665	0.95	84.19
64	2,459	0.88	85.07
65	2,483	0.89	85.96
66	2,244	0.80	86.76
67	2,154	0.77	87.53
68	2,000	0.72	88.25
69	1,999	0.72	88.96
7	3,858	1.38	90.34
70	1,766	0.63	90.98
71	1,622	0.58	91.56
72	1,545	0.55	92.11
73	1,447	0.52	92.63
74	1,373	0.49	93.12
75	1,331	0.48	93.59
76	1,131	0.40	94.00
77	1,038	0.37	94.37
78	980	0.35	94.72

79		976	0.35	95.07
8		3,874	1.39	96.46
80		827	0.30	96.75
81		685	0.25	97.00
82		643	0.23	97.23
83		652	0.23	97.46
84		560	0.20	97.66
85		439	0.16	97.82
86		378	0.14	97.96
87		352	0.13	98.08
88		290	0.10	98.19
89		297	0.11	98.29
9		3,853	1.38	99.67
90		218	0.08	99.75
91		158	0.06	99.81
92		152	0.05	99.86
93		98	0.04	99.89
94		92	0.03	99.93
95		69	0.02	99.95
96		46	0.02	99.97
97		38	0.01	99.98
98		28	0.01	99.99
99		21	0.01	100.00

Total		279,382	100.00	

214 . generate agePNS2019=C008 if banco==2
(597,414 missing values generated)

215 . destring agePNS2019, replace
agePNS2019: all characters numeric; replaced as int
(597414 missing values generated)

216 . ta agePNS2019 // indivÃ-duos com 18 anos ou mais usar ">18"

agePNS2019		Freq.	Percent	Cum.

0		3,349	1.20	1.20
1		3,534	1.26	2.46
2		3,432	1.23	3.69
3		3,665	1.31	5.00
4		3,807	1.36	6.37
5		3,728	1.33	7.70
6		3,838	1.37	9.07
7		3,858	1.38	10.46
8		3,874	1.39	11.84
9		3,853	1.38	13.22
10		4,248	1.52	14.74
11		4,087	1.46	16.20
12		4,252	1.52	17.73
13		4,294	1.54	19.26
14		4,468	1.60	20.86
15		4,454	1.59	22.46
16		4,364	1.56	24.02
17		4,432	1.59	25.61
18		4,667	1.67	27.28
19		4,508	1.61	28.89
20		4,272	1.53	30.42
21		4,266	1.53	31.95
22		4,375	1.57	33.51
23		4,255	1.52	35.03
24		4,234	1.52	36.55
25		4,086	1.46	38.01
26		3,874	1.39	39.40
27		3,910	1.40	40.80
28		3,725	1.33	42.13
29		3,838	1.37	43.51
30		4,153	1.49	44.99
31		4,029	1.44	46.43
32		4,065	1.45	47.89
33		4,086	1.46	49.35
34		4,088	1.46	50.82
35		4,155	1.49	52.30

36	4,329	1.55	53.85
37	4,460	1.60	55.45
38	4,244	1.52	56.97
39	4,264	1.53	58.49
40	4,287	1.53	60.03
41	3,905	1.40	61.43
42	4,036	1.44	62.87
43	3,921	1.40	64.27
44	3,859	1.38	65.65
45	3,811	1.36	67.02
46	3,777	1.35	68.37
47	3,495	1.25	69.62
48	3,721	1.33	70.95
49	3,726	1.33	72.29
50	3,625	1.30	73.58
51	3,499	1.25	74.84
52	3,587	1.28	76.12
53	3,490	1.25	77.37
54	3,486	1.25	78.62
55	3,592	1.29	79.90
56	3,340	1.20	81.10
57	3,091	1.11	82.21
58	3,067	1.10	83.30
59	3,093	1.11	84.41
60	2,878	1.03	85.44
61	2,735	0.98	86.42
62	2,630	0.94	87.36
63	2,665	0.95	88.31
64	2,459	0.88	89.20
65	2,483	0.89	90.08
66	2,244	0.80	90.89
67	2,154	0.77	91.66
68	2,000	0.72	92.37
69	1,999	0.72	93.09
70	1,766	0.63	93.72
71	1,622	0.58	94.30
72	1,545	0.55	94.86
73	1,447	0.52	95.37
74	1,373	0.49	95.86
75	1,331	0.48	96.34
76	1,131	0.40	96.75
77	1,038	0.37	97.12
78	980	0.35	97.47
79	976	0.35	97.82
80	827	0.30	98.11
81	685	0.25	98.36
82	643	0.23	98.59
83	652	0.23	98.82
84	560	0.20	99.02
85	439	0.16	99.18
86	378	0.14	99.31
87	352	0.13	99.44
88	290	0.10	99.54
89	297	0.11	99.65
90	218	0.08	99.73
91	158	0.06	99.79
92	152	0.05	99.84
93	98	0.04	99.88
94	92	0.03	99.91
95	69	0.02	99.93
96	46	0.02	99.95
97	38	0.01	99.96
98	28	0.01	99.97
99	21	0.01	99.98
100	15	0.01	99.99
101	13	0.00	99.99
102	4	0.00	99.99
103	9	0.00	99.99
104	7	0.00	100.00
105	1	0.00	100.00
106	3	0.00	100.00
107	2	0.00	100.00
112	1	0.00	100.00

```
-----+-----
Total |      279,382      100.00
```

```
217 .
218 . /*****
> 6b - Restricting the analysis to those who answered the individual questionnaire
> Variable available in PNS2013 and PNS2019
> *****/
```

```
219 .
220 . //      PNS2013
221 .      generate selected2013=V0025 if banco==1
      (671,250 missing values generated)
```

```
222 .      ta selected2013
```

```
selected201 |
3 |      Freq.      Percent      Cum.
-----+-----
0 |      141,238      68.71      68.71
1 |      64,308      31.29      100.00
-----+-----
Total |      205,546      100.00
```

```
223 .
224 . //      PNS2019
225 .      ta V0025A
```

```
V0025A |      Freq.      Percent      Cum.
-----+-----
0 |      126,981      45.45      45.45
1 |      94,114      33.69      79.14
9 |      58,287      20.86      100.00
-----+-----
Total |      279,382      100.00
```

```
226 .      generate selected2019=V0025A
      (597,414 missing values generated)
```

```
227 .      ta selected2019
```

```
selected201 |
9 |      Freq.      Percent      Cum.
-----+-----
0 |      126,981      45.45      45.45
1 |      94,114      33.69      79.14
9 |      58,287      20.86      100.00
-----+-----
Total |      279,382      100.00
```

```
228 .      recode selected2019 0=0 1=1 9=.
      (selected2019: 58287 changes made)
```

```
229 .
230 . /*****
> 7 - Application of sample weights
> *****/
```

```
231 .
232 . //      To use the same svyset, first it is necessary to check if the variables
233 . //      related to the sample weights have the same format
234 .
235 .      codebook V00291 if banco==0
```

```
-----+-----
V00291 (unlabeled)
-----+-----
```

```
type: numeric (double)
```

```
range: [18,1159]
unique values: 110
```

```
units: 1
missing .: 0/391,868
```

mean: 484.737
std. dev: 227.942

percentiles:	10%	25%	50%	75%	90%
	226	249	488	621	880

236 . codebook V00291 if banco==1

V00291 (unlabeled)

type: numeric (double)

range: [10.050122,75394.22] units: 1.000e-08
unique values: 44,829 missing .: 145,344/205,546

mean: 2418.06
std. dev: 3471.42

percentiles:	10%	25%	50%	75%	90%
	283.686	589.894	1261.16	2774.52	5617.12

237 . codebook V00291 if banco==2

V00291 (unlabeled)

type: numeric (double)

range: [10.410975,113277.5] units: 1.000e-08
unique values: 70,654 missing .: 188,536/279,382

mean: 1853.97
std. dev: 2828.76

percentiles:	10%	25%	50%	75%	90%
	255.594	493.54	1008.59	2090.66	4121.95

238 .
239 . codebook V0024 if banco==0

V0024 (unlabeled)

type: numeric (double)

range: [1101,5301] units: 1
unique values: 545 missing .: 0/391,868

mean: 3179.61
std. dev: 1083.6

percentiles:	10%	25%	50%	75%	90%
	1511	2502	3131	4107	5005

240 . codebook V0024 if banco==1

V0024 (unlabeled)

type: numeric (double)

range: [1110011,5310220] units: 1
unique values: 575 missing .: 0/205,546

mean: 2.9e+06
std. dev: 1.2e+06

percentiles:	10%	25%	50%	75%	90%
	1.4e+06	2.1e+06	2.9e+06	3.5e+06	5.1e+06

241 . codebook V0024 if banco==2

V0024 (unlabeled)

```

type: numeric (double)

range: [1110011,5310220]      units: 1
unique values: 574             missing .: 0/279,382

mean: 2.9e+06
std. dev: 1.2e+06

percentiles:      10%      25%      50%      75%      90%
                  1.4e+06  2.2e+06  2.8e+06  3.5e+06  5.0e+06

```

242 .

243 . codebook V00293 if banco==0

V00293 (unlabeled)

```

type: numeric (double)

range: [1,1]                  units: 1
unique values: 1               missing .: 0/391,868

tabulation: Freq. Value
              391,868  1

```

244 . codebook V00293 if banco==1

V00293 (unlabeled)

```

type: numeric (double)

range: [11111,53224]          units: 1
unique values: 616             missing .: 145,344/205,546

mean: 30329
std. dev: 11989.4

percentiles:      10%      25%      50%      75%      90%
                  13423    22123    29412    41111    50422

```

245 . codebook V00293 if banco==2

V00293 (unlabeled)

```

type: numeric (double)

range: [11111,53125]          units: 1
unique values: 770             missing .: 188,536/279,382

mean: 29941
std. dev: 11660.6

percentiles:      10%      25%      50%      75%      90%
                  14124    22112    28425    35423    50125

```

246 .
 247 . codebook V00292 if banco==0

 V00292 (unlabeled)

type: numeric (double)
 range: [1,1] units: 1
 unique values: 1 missing .: 0/391,868
 tabulation: Freq. Value
 391,868 1

248 . codebook V00292 if banco==1

 V00292 (unlabeled)

type: numeric (double)
 range: [3794.9569,3387300.5] units: .00001
 unique values: 616 missing .: 145,344/205,546
 mean: 391469
 std. dev: 537631
 percentiles: 10% 25% 50% 75% 90%
 37372.9 86556.6 187495 415795 1.0e+06

249 . codebook V00292 if banco==2

 V00292 (unlabeled)

type: numeric (double)
 range: [2570.8424,3846603.6] units: 1.000e-06
 unique values: 770 missing .: 188,536/279,382
 mean: 445071
 std. dev: 571468
 percentiles: 10% 25% 50% 75% 90%
 45128.6 100785 231213 591604 1.1e+06

250 .
 251 . svyset UPA_PNS [pweight=V00291], strata(V0024) poststrata(V00293) postweight(V00292) vce(1
 > inearized) singleunit(centered)

pweight: V00291
 VCE: linearized
 Poststrata: V00293
 Postweight: V00292
 Single unit: centered
 Strata 1: V0024
 SU 1: UPA_PNS
 FPC 1: <zero>

```

252 .
253 . /*****
> Table 1 - Distribution of the sample according to race and indicators of
> healthcare access. National Household Sample Survey (2008 PNAD), and Brazilian
> National Health Survey (2013 and 2019 PNS).
> *****/
254 .
255 . //      PNAD2008
256 .      svy: tabulate racePNAD2008 if agePNAD2008>17 & banco==0, obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata   =      545                Number of obs   =    269,131
Number of PSUs     =    7,051                Population size  =         1
N. of poststrata   =         1                Design df     =    6,506

-----
racePNAD2 |
008       | percentage      lb      ub      obs
-----+-----
    White |      50.43      49.64    51.21    1.3e+05
  Black/Br |      49.57      48.79    50.36    1.4e+05
-----+-----
Key:  percentage = cell percentage
      lb         = lower 95% confidence bound for cell percentage
      ub         = upper 95% confidence bound for cell percentage
      obs        = number of observations

257 .      svy: tabulate registerESF2008 if agePNAD2008>17 & banco==0, obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata   =      545                Number of obs   =    270,998
Number of PSUs     =    7,056                Population size  =         1
N. of poststrata   =         1                Design df     =    6,511

-----
registerE |
SF2008    | percentage      lb      ub      obs
-----+-----
      No  |      51.15      49.95    52.35    1.4e+05
      Yes |      48.85      47.65    50.05    1.3e+05
-----+-----
Key:  percentage = cell percentage
      lb         = lower 95% confidence bound for cell percentage
      ub         = upper 95% confidence bound for cell percentage
      obs        = number of observations

258 .      svy: tabulate planPNAD2008 if agePNAD2008>17 & banco==0, obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata   =      545                Number of obs   =    271,677
Number of PSUs     =    7,058                Population size  =         1
N. of poststrata   =         1                Design df     =    6,513

-----
planPNAD2 |
008       | percentage      lb      ub      obs
-----+-----
      No  |      71.9       71.25    72.54    2.0e+05
      Yes |      28.1       27.46    28.75    7.4e+04
-----+-----
Key:  percentage = cell percentage
      lb         = lower 95% confidence bound for cell percentage
      ub         = upper 95% confidence bound for cell percentage
      obs        = number of observations

```

259 . svy: tabulate accessPNAD2008 if agePNAD2008>17 & banco==0, obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	545	Number of obs	=	271,677
Number of PSUs	=	7,058	Population size	=	1
N. of poststrata	=	1	Design df	=	6,513

```
-----
cared2w_P |
NAD2008   |
notseekPN |
AD2008 == |
1         | percentage      lb      ub      obs
-----+-----
      No  |      96.9      96.71   97.08   2.6e+05
      Yes |      3.101     2.921   3.292    9046
-----
```

Key: percentage = cell percentage
lb = lower 95% confidence bound for cell percentage
ub = upper 95% confidence bound for cell percentage
obs = number of observations

260 .
261 . // PNS2013
262 . svy: tabulate racePNS2013 if agePNS2013>17 & selected2013==1 & banco==1, obs percent ci no
> marginal
(running tabulate on estimation sample)

Number of strata	=	575	Number of obs	=	59,249
Number of PSUs	=	6,053	Population size	=	145,572,210
N. of poststrata	=	616	Design df	=	5,478

```
-----
racePNS20 |
13         | percentage      lb      ub      obs
-----+-----
      White |      48.2      47.43   48.96   2.4e+04
      Black/Br |      51.8     51.04   52.57   3.5e+04
-----
```

Key: percentage = cell percentage
lb = lower 95% confidence bound for cell percentage
ub = upper 95% confidence bound for cell percentage
obs = number of observations

263 . svy: tabulate registerESF2013 if agePNS2013>17 & selected2013==1 & banco==1, obs percent c
> i nomarginal
(running tabulate on estimation sample)

Number of strata	=	575	Number of obs	=	52,743
Number of PSUs	=	6,040	Population size	=	145,572,210
N. of poststrata	=	616	Design df	=	5,465

```
-----
registerE |
SF2013   | percentage      lb      ub      obs
-----+-----
      No  |      39.24     37.97   40.52   2.0e+04
      Yes |      60.76     59.48   62.03   3.2e+04
-----
```

Key: percentage = cell percentage
lb = lower 95% confidence bound for cell percentage
ub = upper 95% confidence bound for cell percentage
obs = number of observations


```
264 . svy: tabulate planPNS2013 if agePNS2013>17 & selected2013==1 & banco==1, obs percent ci no
> marginal
(running tabulate on estimation sample)
```

```
Number of strata = 575      Number of obs = 60,202
Number of PSUs   = 6,055   Population size = 145,572,210
N. of poststrata = 616     Design df      = 5,480
```

planPNS2013	percentage	lb	ub	obs
No	69.83	68.94	70.71	4.4e+04
Yes	30.17	29.29	31.06	1.6e+04

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```
265 . svy: tabulate accessPNS2013 if agePNS2013>17 & selected2013==1 & banco==1, obs percent ci
> nomarginal
(running tabulate on estimation sample)
```

```
Number of strata = 575      Number of obs = 60,202
Number of PSUs   = 6,055   Population size = 145,572,210
N. of poststrata = 616     Design df      = 5,480
```

cared2w_PNS2013 notseekPN S2013 ==	percentage	lb	ub	obs
No	97.07	96.84	97.28	5.8e+04
Yes	2.932	2.716	3.164	2086

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```
266 .
267 . //      PNS2019
268 . svy: tabulate racePNS2019 if agePNS2019>17 & selected2019==1 & banco==2, obs percent ci no
> marginal
(running tabulate on estimation sample)
```

```
Number of strata = 574      Number of obs = 87,187
Number of PSUs   = 8,027   Population size = 159,171,311
N. of poststrata = 616     Design df      = 7,453
```

racePNS2019	percentage	lb	ub	obs
White	43.95	43.23	44.66	3.2e+04
Black/Br	56.05	55.34	56.77	5.5e+04

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```
269 . svy: tabulate registerESF2019 if agePNS2019>17 & selected2019==1 & banco==2, obs percent c
> i nomarginal
(running tabulate on estimation sample)
```

```
Number of strata = 574          Number of obs = 77,977
Number of PSUs   = 8,012       Population size = 159,171,311
N. of poststrata = 616         Design df = 7,438
```

registerE SF2019	percentage	lb	ub	obs
No	31.18	30.09	32.29	2.2e+04
Yes	68.82	67.71	69.91	5.6e+04

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```
270 . svy: tabulate planPNS2019 if agePNS2019>17 & selected2019==1 & banco==2, obs percent ci no
> marginal
(running tabulate on estimation sample)
```

```
Number of strata = 574          Number of obs = 88,531
Number of PSUs   = 8,027       Population size = 159,171,311
N. of poststrata = 616         Design df = 7,453
```

planPNS20 19	percentage	lb	ub	obs
No	86.84	86.36	87.31	7.8e+04
Yes	13.16	12.69	13.64	1.0e+04

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```
271 . svy: tabulate accessPNS2019 if agePNS2019>17 & selected2019==1 & banco==2, obs percent ci
> nomarginal
(running tabulate on estimation sample)
```

```
Number of strata = 574          Number of obs = 88,531
Number of PSUs   = 8,027       Population size = 159,171,311
N. of poststrata = 616         Design df = 7,453
```

cared2w_P NS2019 notseekPN S2019 == 1	percentage	lb	ub	obs
No	96.78	96.58	96.98	8.5e+04
Yes	3.215	3.022	3.42	3520

```
Key: percentage = cell percentage
     lb          = lower 95% confidence bound for cell percentage
     ub          = upper 95% confidence bound for cell percentage
     obs         = number of observations
```

```

272 .
273 . /*****
> Table 2 - Estimates of healthcare access according to race. National Household
> Sample Survey (2008 PNAD), and Brazilian National Health Survey (2013 and 2019
> PNS).
> *****/
274 .
275 . //      PNAD2008
276 .      svy: tabulate racePNAD2008 registerESF2008 if agePNAD2008>17 & banco==0, row obs percent c
> i nomarginal
(running tabulate on estimation sample)

```

Number of strata	=	545	Number of obs	=	268,462
Number of PSUs	=	7,049	Population size	=	1
N. of poststrata	=	1	Design df	=	6,504

racePNAD2008	registerESF2008	
	No	Yes
White	57.5 [56.12,58.87] 7.1e+04	42.5 [41.13,43.88] 5.4e+04
Black/Br	44.38 [43.1,45.67] 6.5e+04	55.62 [54.33,56.9] 7.8e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 4619.2980
Design-based F(1, 6504) = 405.2845 P = 0.0000

```

277 .      svy: tabulate racePNAD2008 planPNAD2008 if agePNAD2008>17 & banco==0, row obs percent ci n
> omarginal
(running tabulate on estimation sample)

```

Number of strata	=	545	Number of obs	=	269,131
Number of PSUs	=	7,051	Population size	=	1
N. of poststrata	=	1	Design df	=	6,506

racePNAD2008	planPNAD2008	
	No	Yes
White	63.06 [62.26,63.85] 8.0e+04	36.94 [36.15,37.74] 4.5e+04
Black/Br	81.11 [80.53,81.68] 1.2e+05	18.89 [18.32,19.47] 2.7e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 1.09e+04
Design-based F(1, 6506) = 2259.3572 P = 0.0000

```
278 .          svy: tabulate racePNAD2008 accessPNAD2008 if agePNAD2008>17 & banco==0, row obs percent ci
> nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	545	Number of obs	=	269,131
Number of PSUs	=	7,051	Population size	=	1
N. of poststrata	=	1	Design df	=	6,506

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	97.84 [97.69,97.98] 1.2e+05	2.158 [2.016,2.309] 2899
Black/Br	95.96 [95.69,96.21] 1.4e+05	4.044 [3.791,4.314] 6028

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 798.6602
Design-based F(1, 6506) = 397.2012 P = 0.0000

```
279 .
280 . //      PNS2013
281 .          svy: tabulate racePNS2013 registerESF2013 if agePNS2013>17 & selected2013==1 & banco==1, r
> ow obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	575	Number of obs	=	51,928
Number of PSUs	=	6,038	Population size	=	145,572,210
N. of poststrata	=	616	Design df	=	5,463

racePNS2013	registerESF2013	
	No	Yes
White	45.28 [43.47,47.11] 9292	54.72 [52.89,56.53] 1.2e+04
Black/Br	33.61 [32.34,34.91] 1.1e+04	66.39 [65.09,67.66] 2.0e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 740.6574
Design-based F(1, 5463) = 160.1083 P = 0.0000

```
282 .          svy: tabulate racePNS2013 planPNS2013 if agePNS2013>17 & selected2013==1 & banco==1, row o
> bs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	575	Number of obs	=	59,249
Number of PSUs	=	6,053	Population size	=	145,572,210
N. of poststrata	=	616	Design df	=	5,478

racePNS2013	planPNS2013	
	No	Yes
White	60.17 [58.77,61.57] 1.5e+04	39.83 [38.43,41.23] 9270
Black/Br	78.9 [78.03,79.75] 2.8e+04	21.1 [20.25,21.97] 6856

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 2465.5013
Design-based F(1, 5478) = 621.7255 P = 0.0000

283 . svy: tabulate racePNS2013 accessPNS2013 if agePNS2013>17 & selected2013==1 & banco==1, row
> obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	575	Number of obs	=	59,249
Number of PSUs	=	6,053	Population size	=	145,572,210
N. of poststrata	=	616	Design df	=	5,478

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	97.88 [97.57,98.15] 2.3e+04	2.119 [1.846,2.431] 610
Black/Br	96.3 [95.95,96.62] 3.4e+04	3.699 [3.38,4.047] 1438

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 129.5702
Design-based F(1, 5478) = 46.1279 P = 0.0000

284 .
285 . // PNS2019
286 . svy: tabulate racePNS2019 registerESF2019 if agePNS2019>17 & selected2019==1 & banco==2, r
> ow obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	574	Number of obs	=	76,809
Number of PSUs	=	8,012	Population size	=	159,171,311
N. of poststrata	=	616	Design df	=	7,438

racePNS2019	registerESF2019	
	No	Yes
White	36.6 [34.88,38.36] 9093	63.4 [61.64,65.12] 1.9e+04
Black/Br	26.98 [25.9,28.09] 1.3e+04	73.02 [71.91,74.1] 3.6e+04

Key: row percentage
[95% confidence interval for row percentage]

number of observations

Pearson:

Uncorrected chi2(1) = 814.1230
Design-based F(1, 7438) = 118.1302 P = 0.0000

287 . svy: tabulate racePNS2019 planPNS2019 if agePNS2019>17 & selected2019==1 & banco==2, row o
> bs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata = 574 Number of obs = 87,187
Number of PSUs = 8,027 Population size = 159,171,311
N. of poststrata = 616 Design df = 7,453

racePNS2019	planPNS2019	
	No	Yes
White	84.42 [83.65,85.15] 2.8e+04	15.58 [14.85,16.35] 4815
Black/Br	88.64 [88.11,89.15] 4.9e+04	11.36 [10.85,11.89] 5540

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 333.7102
Design-based F(1, 7453) = 103.1929 P = 0.0000

288 . svy: tabulate racePNS2019 accessPNS2019 if agePNS2019>17 & selected2019==1 & banco==2, row
> obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata = 574 Number of obs = 87,187
Number of PSUs = 8,027 Population size = 159,171,311
N. of poststrata = 616 Design df = 7,453

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	97.51 [97.21,97.78] 3.1e+04	2.49 [2.221,2.791] 963
Black/Br	96.21 [95.93,96.47] 5.2e+04	3.787 [3.525,4.068] 2497

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 116.0173
Design-based F(1, 7453) = 39.5919 P = 0.0000

```

289 .
290 . /*****
> Table 3 - Estimates of healthcare access according to race and Brazilian
> geographic regions. National Household Sample Survey (2008 PNAD), and Brazilian
> National Health Survey (2013 and 2019 PNS).
> *****/
291 .
292 . //      PNAD2008
293 .      svy: tabulate racePNAD2008 registerESF2008 if region==1 & agePNAD2008>17 & banco==0, row o
> bs percent ci nomarginal
(running tabulate on estimation sample)

```

Number of strata	=	42	Number of obs	=	31,918
Number of PSUs	=	853	Population size	=	1
N. of poststrata	=	1	Design df	=	811

racePNAD2008	registerESF2008	
	No	Yes
White	51.25 [47.38,55.11] 4031	48.75 [44.89,52.62] 3688
Black/Br	46.68 [42.56,50.84] 1.2e+04	53.32 [49.16,57.44] 1.3e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 47.9495
Design-based F(1, 811) = 10.5489 P = 0.0012

```

294 .      svy: tabulate racePNAD2008 registerESF2008 if region==2 & agePNAD2008>17 & banco==0, row o
> bs percent ci nomarginal
(running tabulate on estimation sample)

```

Number of strata	=	148	Number of obs	=	83,847
Number of PSUs	=	1,877	Population size	=	1
N. of poststrata	=	1	Design df	=	1,729

racePNAD2008	registerESF2008	
	No	Yes
White	36.4 [33.88,38.99] 1.0e+04	63.6 [61.01,66.12] 1.5e+04
Black/Br	32.77 [30.75,34.85] 2.2e+04	67.23 [65.15,69.25] 3.6e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 102.1812
Design-based F(1, 1729) = 17.5964 P = 0.0000

295 . svy: tabulate racePNAD2008 registerESF2008 if region==3 & agePNAD2008>17 & banco==0, row o
 > bs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	194	Number of obs	=	82,210
Number of PSUs	=	2,190	Population size	=	1
N. of poststrata	=	1	Design df	=	1,996

racePNAD2008	registerESF2008	
	No	Yes
White	68.71 [66.64,70.71] 3.1e+04	31.29 [29.29,33.36] 1.6e+04
Black/Br	54.91 [52.86,56.94] 1.9e+04	45.09 [43.06,47.14] 1.7e+04

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 1627.3780
 Design-based F(1, 1996) = 241.8076 P = 0.0000

296 . svy: tabulate racePNAD2008 registerESF2008 if region==4 & agePNAD2008>17 & banco==0, row o
 > bs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	110	Number of obs	=	41,067
Number of PSUs	=	1,135	Population size	=	1
N. of poststrata	=	1	Design df	=	1,025

racePNAD2008	registerESF2008	
	No	Yes
White	49.28 [46.47,52.1] 1.8e+04	50.72 [47.9,53.53] 1.5e+04
Black/Br	43.6 [39.87,47.39] 3940	56.4 [52.61,60.13] 4168

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 85.1183
 Design-based F(1, 1025) = 11.2240 P = 0.0008

297 . svy: tabulate racePNAD2008 registerESF2008 if region==5 & agePNAD2008>17 & banco==0, row o
 > bs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	51	Number of obs	=	29,420
Number of PSUs	=	994	Population size	=	1
N. of poststrata	=	1	Design df	=	943

racePNAD2 008	registerESF2008	
	No	Yes
White	52.78 [49.59,55.95] 7106	47.22 [44.05,50.41] 5638
Black/Br	49.35 [46.39,52.32] 8752	50.65 [47.68,53.61] 7924

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 34.0660
Design-based F(1, 943) = 8.4471 P = 0.0037

```
298 .
299 .       svy: tabulate racePNAD2008 planPNAD2008 if region==1 & agePNAD2008>17 & banco==0, row obs
> percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	42	Number of obs	=	32,105
Number of PSUs	=	853	Population size	=	1
N. of poststrata	=	1	Design df	=	811

racePNAD2 008	planPNAD2008	
	No	Yes
White	78.98 [76.83,80.98] 5913	21.02 [19.02,23.17] 1847
Black/Br	87.1 [85.87,88.23] 2.1e+04	12.9 [11.77,14.13] 3553

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 301.0810
Design-based F(1, 811) = 124.3454 P = 0.0000

```
300 .       svy: tabulate racePNAD2008 planPNAD2008 if region==2 & agePNAD2008>17 & banco==0, row obs
> percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	148	Number of obs	=	83,947
Number of PSUs	=	1,877	Population size	=	1
N. of poststrata	=	1	Design df	=	1,729

racePNAD2 008	planPNAD2008	
	No	Yes
White	78.46 [76.97,79.87] 1.9e+04	21.54 [20.13,23.03] 6546
Black/Br	87.87 [87.06,88.64] 5.0e+04	12.13 [11.36,12.94] 8903

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 1217.1271
 Design-based $F(1, 1729)$ = 353.9401 $P = 0.0000$

301 . svy: tabulate racePNAD2008 planPNAD2008 if region==3 & agePNAD2008>17 & banco==0, row obs
 > percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 194 Number of obs = 82,352
 Number of PSUs = 2,191 Population size = 1
 N. of poststrata = 1 Design df = 1,997

racePNAD2008	planPNAD2008	
	No	Yes
White	55.83 [54.71,56.95] 2.6e+04	44.17 [43.05,45.29] 2.0e+04
Black/Br	72.97 [71.98,73.93] 2.6e+04	27.03 [26.07,28.02] 9543

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 2508.1236
 Design-based $F(1, 1997)$ = 844.8462 $P = 0.0000$

302 . svy: tabulate racePNAD2008 planPNAD2008 if region==4 & agePNAD2008>17 & banco==0, row obs
 > percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 110 Number of obs = 41,141
 Number of PSUs = 1,135 Population size = 1
 N. of poststrata = 1 Design df = 1,025

racePNAD2008	planPNAD2008	
	No	Yes
White	65.44 [63.73,67.11] 2.1e+04	34.56 [32.89,36.27] 1.2e+04
Black/Br	79.43 [77.68,81.07] 6329	20.57 [18.93,22.32] 1802

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 594.9698
 Design-based $F(1, 1025)$ = 217.7526 $P = 0.0000$

303 . svy: tabulate racePNAD2008 planPNAD2008 if region==5 & agePNAD2008>17 & banco==0, row obs
 > percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 51 Number of obs = 29,586
 Number of PSUs = 995 Population size = 1
 N. of poststrata = 1 Design df = 944

racePNAD2008	planPNAD2008	
	No	Yes
White	66.29 [64.25,68.28] 8363	33.71 [31.72,35.75] 4444
Black/Br	78.94 [77.47,80.34] 1.3e+04	21.06 [19.66,22.53] 3660

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 595.9939
Design-based F(1, 944) = 268.4558 P = 0.0000

304 .

305 . svy: tabulate racePNAD2008 accessPNAD2008 if region==1 & agePNAD2008>17 & banco==0, row ob
> s percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	42	Number of obs	=	32,105
Number of PSUs	=	853	Population size	=	1
N. of poststrata	=	1	Design df	=	811

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	96.08 [95.26,96.76] 7452	3.921 [3.242,4.737] 308
Black/Br	94.61 [93.72,95.37] 2.3e+04	5.392 [4.625,6.277] 1396

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 25.9996
Design-based F(1, 811) = 16.4596 P = 0.0001

306 . svy: tabulate racePNAD2008 accessPNAD2008 if region==2 & agePNAD2008>17 & banco==0, row ob
> s percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	148	Number of obs	=	83,947
Number of PSUs	=	1,877	Population size	=	1
N. of poststrata	=	1	Design df	=	1,729

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	96.01 [95.38,96.55] 2.4e+04	3.994 [3.446,4.624] 918
Black/Br	94.79 [94.19,95.34] 5.6e+04	5.206 [4.658,5.814] 2820

Key: row percentage
[95% confidence interval for row percentage]

number of observations

Pearson:

Uncorrected chi2(1) = 55.3955
Design-based F(1, 1729) = 28.1932 P = 0.0000

307 . svy: tabulate racePNAD2008 accessPNAD2008 if region==3 & agePNAD2008>17 & banco==0, row ob
> s percent ci nomarginal
(running tabulate on estimation sample)

Number of strata = 194 Number of obs = 82,352
Number of PSUs = 2,191 Population size = 1
N. of poststrata = 1 Design df = 1,997

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	98.35 [98.17,98.52] 4.6e+04	1.651 [1.485,1.835] 805
Black/Br	97.37 [97.12,97.6] 3.5e+04	2.626 [2.397,2.877] 949

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 94.4532
Design-based F(1, 1997) = 71.6514 P = 0.0000

308 . svy: tabulate racePNAD2008 accessPNAD2008 if region==4 & agePNAD2008>17 & banco==0, row ob
> s percent ci nomarginal
(running tabulate on estimation sample)

Number of strata = 110 Number of obs = 41,141
Number of PSUs = 1,135 Population size = 1
N. of poststrata = 1 Design df = 1,025

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	98.31 [98.07,98.52] 3.2e+04	1.687 [1.476,1.928] 548
Black/Br	97.18 [96.58,97.68] 7917	2.817 [2.316,3.422] 214

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 44.8106
Design-based F(1, 1025) = 28.6360 P = 0.0000

```
309 . svy: tabulate racePNAD2008 accessPNAD2008 if region==5 & agePNAD2008>17 & banco==0, row ob
> s percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	51	Number of obs	=	29,586
Number of PSUs	=	995	Population size	=	1
N. of poststrata	=	1	Design df	=	944

racePNAD2008	cared2w_PNAD2008 notseekPNAD2008 == 1	
	No	Yes
White	97.41 [96.98,97.78] 1.2e+04	2.586 [2.215,3.018] 320
Black/Br	95.99 [95.46,96.45] 1.6e+04	4.014 [3.545,4.541] 649

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 45.0791
Design-based F(1, 944) = 31.1375 P = 0.0000

```
310 .
311 . // PNS2013
312 . svy: tabulate racePNS2013 registerESF2013 if region==1 & agePNS2013>17 & selected2013==1 &
> banco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	70	Number of obs	=	10,362
Number of PSUs	=	1,149	Population size	=	10,873,762
N. of poststrata	=	136	Design df	=	1,079

racePNS2013	registerESF2013	
	No	Yes
White	44.71 [40.84,48.64] 991	55.29 [51.36,59.16] 1240
Black/Br	38.76 [36,41.59] 3109	61.24 [58.41,64] 5022

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 25.3507
Design-based F(1, 1079) = 8.5549 P = 0.0035

```
313 . svy: tabulate racePNS2013 registerESF2013 if region==2 & agePNS2013>17 & selected2013==1 &
> banco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	191	Number of obs	=	15,871
Number of PSUs	=	1,909	Population size	=	38,515,102
N. of poststrata	=	224	Design df	=	1,718

racePNS2013	registerESF2013	
	No	Yes
White	30.72 [28.34,33.21] 1583	69.28 [66.79,71.66] 2825
Black/Br	24.28 [22.94,25.67] 3320	75.72 [74.33,77.06] 8143

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 67.2995
Design-based F(1, 1718) = 29.9902 P = 0.0000

314 . svy: tabulate racePNS2013 registerESF2013 if region==3 & agePNS2013>17 & selected2013==1 &
> banco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	154	Number of obs	=	12,592
Number of PSUs	=	1,445	Population size	=	63,924,452
N. of poststrata	=	104	Design df	=	1,291

racePNS2013	registerESF2013	
	No	Yes
White	52.89 [49.82,55.95] 3408	47.11 [44.05,50.18] 3115
Black/Br	40.63 [37.82,43.5] 2356	59.37 [56.5,62.18] 3713

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 187.2737
Design-based F(1, 1291) = 54.2579 P = 0.0000

315 . svy: tabulate racePNS2013 registerESF2013 if region==4 & agePNS2013>17 & selected2013==1 &
> banco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	96	Number of obs	=	6,756
Number of PSUs	=	766	Population size	=	21,474,791
N. of poststrata	=	72	Design df	=	670

racePNS2013	registerESF2013	
	No	Yes
White	38.7 [35.43,42.07] 2129	61.3 [57.93,64.57] 3240
Black/Br	31.34 [26.07,37.13] 398	68.66 [62.87,73.93] 989

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 26.7298
 Design-based F(1, 670) = 6.3980 P = 0.0117

316 . svy: tabulate racePNS2013 registerESF2013 if region==5 & agePNS2013>17 & selected2013==1 &
 > banco==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 64 Number of obs = 6,347
 Number of PSUs = 769 Population size = 10,784,103
 N. of poststrata = 80 Design df = 705

racePNS2013	registerESF2013	
	No	Yes
White	43.08 [40.15,46.06] 1181	56.92 [53.94,59.85] 1387
Black/Br	38.48 [35.92,41.1] 1617	61.52 [58.9,64.08] 2162

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 13.3990
 Design-based F(1, 705) = 6.5406 P = 0.0108

317 .
 318 . svy: tabulate racePNS2013 planPNS2013 if region==1 & agePNS2013>17 & selected2013==1 & ban
 > co==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 70 Number of obs = 12,236
 Number of PSUs = 1,154 Population size = 10,873,762
 N. of poststrata = 136 Design df = 1,084

racePNS2013	planPNS2013	
	No	Yes
White	78.14 [75.41,80.65] 2095	21.86 [19.35,24.59] 593
Black/Br	86.7 [85.21,88.06] 8316	13.3 [11.94,14.79] 1232

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 117.4246
 Design-based F(1, 1084) = 42.9544 P = 0.0000

319 . svy: tabulate racePNS2013 planPNS2013 if region==2 & agePNS2013>17 & selected2013==1 & ban
 > co==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	191	Number of obs	=	18,036
Number of PSUs	=	1,912	Population size	=	38,515,102
N. of poststrata	=	224	Design df	=	1,721

racePNS2013	planPNS2013	
	No	Yes
White	75.35 [72.95,77.59] 3662	24.65 [22.41,27.05] 1428
Black/Br	85.83 [84.65,86.93] 1.1e+04	14.17 [13.07,15.35] 2135

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 278.4704
 Design-based F(1, 1721) = 82.7827 P = 0.0000

320 . svy: tabulate racePNS2013 planPNS2013 if region==3 & agePNS2013>17 & selected2013==1 & ban
 > co==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	154	Number of obs	=	14,088
Number of PSUs	=	1,447	Population size	=	63,924,452
N. of poststrata	=	104	Design df	=	1,293

racePNS2013	planPNS2013	
	No	Yes
White	53.76 [51.46,56.04] 3854	46.24 [43.96,48.54] 3512
Black/Br	71.31 [69.46,73.08] 4809	28.69 [26.92,30.54] 1913

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 450.0535
 Design-based F(1, 1293) = 167.0848 P = 0.0000

321 . svy: tabulate racePNS2013 planPNS2013 if region==4 & agePNS2013>17 & selected2013==1 & ban
 > co==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	96	Number of obs	=	7,491
Number of PSUs	=	766	Population size	=	21,474,791
N. of poststrata	=	72	Design df	=	670

racePNS2013	planPNS2013	
	No	Yes
White	62.08 [59.54,64.56] 3478	37.92 [35.44,40.46] 2477
Black/Br	76.12 [72.01,79.8] 1157	23.88 [20.2,27.99] 379

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 109.2796
Design-based F(1, 670) = 41.7052 P = 0.0000

322 . svy: tabulate racePNS2013 planPNS2013 if region==5 & agePNS2013>17 & selected2013==1 & ban
> co==1, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	64	Number of obs	=	7,398
Number of PSUs	=	774	Population size	=	10,784,103
N. of poststrata	=	80	Design df	=	710

racePNS2013	planPNS2013	
	No	Yes
White	59.65 [57.17,62.08] 1747	40.35 [37.92,42.83] 1260
Black/Br	73.31 [71.21,75.3] 3194	26.69 [24.7,28.79] 1197

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 151.9177
Design-based F(1, 710) = 80.8164 P = 0.0000

323 .
324 . svy: tabulate racePNS2013 accessPNS2013 if region==1 & agePNS2013>17 & selected2013==1 & b
> anco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	70	Number of obs	=	12,236
Number of PSUs	=	1,154	Population size	=	10,873,762
N. of poststrata	=	136	Design df	=	1,084

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	96.76 [95.07,97.89] 2575	3.237 [2.114,4.928] 113
Black/Br	95.27 [94.2,96.15] 9092	4.728 [3.846,5.8] 456

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 10.8547
 Design-based F(1, 1084) = 2.5057 P = 0.1137

325 . svy: tabulate racePNS2013 accessPNS2013 if region==2 & agePNS2013>17 & selected2013==1 & b
 > anco==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 191 Number of obs = 18,036
 Number of PSUs = 1,912 Population size = 38,515,102
 N. of poststrata = 224 Design df = 1,721

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	96.21 [95.41,96.87] 4897	3.791 [3.129,4.586] 193
Black/Br	95.48 [94.92,95.99] 1.2e+04	4.518 [4.013,5.083] 551

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 4.5828
 Design-based F(1, 1721) = 2.5781 P = 0.1085

326 . svy: tabulate racePNS2013 accessPNS2013 if region==3 & agePNS2013>17 & selected2013==1 & b
 > anco==1, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 154 Number of obs = 14,088
 Number of PSUs = 1,447 Population size = 63,924,452
 N. of poststrata = 104 Design df = 1,293

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	98.36 [97.84,98.76] 7245	1.639 [1.242,2.159] 121
Black/Br	97.48 [96.83,98] 6526	2.516 [1.997,3.165] 196

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 13.4536
 Design-based F(1, 1293) = 5.7012 P = 0.0171

```
327 . svy: tabulate racePNS2013 accessPNS2013 if region==4 & agePNS2013>17 & selected2013==1 & b
> anco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	96	Number of obs	=	7,491
Number of PSUs	=	766	Population size	=	21,474,791
N. of poststrata	=	72	Design df	=	670

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	98.25 [97.68,98.68] 5852	1.749 [1.316,2.32] 103
Black/Br	97.2 [95.39,98.31] 1496	2.802 [1.692,4.607] 40

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 7.2186
Design-based F(1, 670) = 2.3379 P = 0.1267

```
328 . svy: tabulate racePNS2013 accessPNS2013 if region==5 & agePNS2013>17 & selected2013==1 & b
> anco==1, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	64	Number of obs	=	7,398
Number of PSUs	=	774	Population size	=	10,784,103
N. of poststrata	=	80	Design df	=	710

racePNS2013	cared2w_PNS2013 notseekPNS2013 == 1	
	No	Yes
White	97.1 [96.14,97.83] 2927	2.899 [2.173,3.857] 80
Black/Br	95.47 [94.42,96.32] 4196	4.535 [3.677,5.582] 195

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 12.7793
Design-based F(1, 710) = 6.2263 P = 0.0128

```
329 .
330 . // PNS2019
331 . svy: tabulate racePNS2019 registerESF2019 if region==1 & agePNS2019>17 & selected2019==1 &
> banco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	70	Number of obs	=	14,272
Number of PSUs	=	1,369	Population size	=	12,494,635
N. of poststrata	=	136	Design df	=	1,299

racePNS2019	registerESF2019	
	No	Yes
White	36.1 [33.06,39.26] 1040	63.9 [60.74,66.94] 1684
Black/Br	30.33 [28.25,32.48] 3685	69.67 [67.52,71.75] 7863

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 33.2592
Design-based F(1, 1299) = 10.6588 P = 0.0011

332 . svy: tabulate racePNS2019 registerESF2019 if region==2 & agePNS2019>17 & selected2019==1 &
> banco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	190	Number of obs	=	27,340
Number of PSUs	=	2,833	Population size	=	42,106,815
N. of poststrata	=	224	Design df	=	2,643

racePNS2019	registerESF2019	
	No	Yes
White	23.78 [21.99,25.68] 1632	76.22 [74.32,78.01] 5289
Black/Br	19.09 [18.04,20.19] 3905	80.91 [79.81,81.96] 1.7e+04

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 69.3234
Design-based F(1, 2643) = 24.2447 P = 0.0000

333 . svy: tabulate racePNS2019 registerESF2019 if region==3 & agePNS2019>17 & selected2019==1 &
> banco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	154	Number of obs	=	16,976
Number of PSUs	=	1,893	Population size	=	69,148,495
N. of poststrata	=	104	Design df	=	1,739

racePNS2019	registerESF2019	
	No	Yes
White	45.86 [42.8,48.96] 3458	54.14 [51.04,57.2] 4467
Black/Br	33.88 [31.43,36.43] 2864	66.12 [63.57,68.57] 6187

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 253.5874
 Design-based $F(1, 1739)$ = 51.8388 $P = 0.0000$

334 . svy: tabulate racePNS2019 registerESF2019 if region==4 & agePNS2019>17 & selected2019==1 &
 > banco==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 96 Number of obs = 9,812
 Number of PSUs = 1,085 Population size = 23,373,724
 N. of poststrata = 72 Design df = 989

racePNS2019	registerESF2019	
	No	Yes
White	25.56 [23.41,27.84] 1818	74.44 [72.16,76.59] 5688
Black/Br	19.7 [16.97,22.74] 426	80.3 [77.26,83.03] 1880

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 36.5152
 Design-based $F(1, 989)$ = 13.3101 $P = 0.0003$

335 . svy: tabulate racePNS2019 registerESF2019 if region==5 & agePNS2019>17 & selected2019==1 &
 > banco==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 64 Number of obs = 8,409
 Number of PSUs = 832 Population size = 12,047,642
 N. of poststrata = 80 Design df = 768

racePNS2019	registerESF2019	
	No	Yes
White	35.95 [32.95,39.07] 1145	64.05 [60.93,67.05] 1994
Black/Br	30.56 [28.21,33.01] 1661	69.44 [66.99,71.79] 3609

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected $\chi^2(1)$ = 25.6152
 Design-based $F(1, 768)$ = 10.6646 $P = 0.0011$

336 .

337 . svy: tabulate racePNS2019 planPNS2019 if region==1 & agePNS2019>17 & selected2019==1 & ban
 > co==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	70	Number of obs	=	16,586
Number of PSUs	=	1,370	Population size	=	12,494,635
N. of poststrata	=	136	Design df	=	1,300

racePNS2019	planPNS2019	
	No	Yes
White	88.32 [86.17,90.17] 2875	11.68 [9.833,13.83] 338
Black/Br	91.18 [89.93,92.28] 1.2e+04	8.824 [7.718,10.07] 992

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 24.3258
 Design-based F(1, 1300) = 8.1794 P = 0.0043

338 . svy: tabulate racePNS2019 planPNS2019 if region==2 & agePNS2019>17 & selected2019==1 & ban
 > co==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	190	Number of obs	=	30,345
Number of PSUs	=	2,835	Population size	=	42,106,815
N. of poststrata	=	224	Design df	=	2,645

racePNS2019	planPNS2019	
	No	Yes
White	87.86 [86.73,88.91] 6858	12.14 [11.09,13.27] 935
Black/Br	91.15 [90.47,91.78] 2.1e+04	8.854 [8.22,9.531] 1980

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 69.8977
 Design-based F(1, 2645) = 28.5349 P = 0.0000

339 . svy: tabulate racePNS2019 planPNS2019 if region==3 & agePNS2019>17 & selected2019==1 & ban
 > co==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata	=	154	Number of obs	=	19,140
Number of PSUs	=	1,897	Population size	=	69,148,495
N. of poststrata	=	104	Design df	=	1,743

racePNS2019	planPNS2019	
	No	Yes
White	82.59 [81.23,83.88] 7524	17.41 [16.12,18.77] 1611
Black/Br	86.04 [84.88,87.12] 8596	13.96 [12.88,15.12] 1409

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 42.7866
Design-based F(1, 1743) = 19.1404 P = 0.0000

340 . svy: tabulate racePNS2019 planPNS2019 if region==4 & agePNS2019>17 & selected2019==1 & ban
> co==2, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	96	Number of obs	=	11,141
Number of PSUs	=	1,090	Population size	=	23,373,724
N. of poststrata	=	72	Design df	=	994

racePNS2019	planPNS2019	
	No	Yes
White	86.14 [85.08,87.13] 7303	13.86 [12.87,14.92] 1230
Black/Br	88.3 [86.43,89.93] 2279	11.7 [10.07,13.57] 329

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 8.7785
Design-based F(1, 994) = 4.3027 P = 0.0383

341 . svy: tabulate racePNS2019 planPNS2019 if region==5 & agePNS2019>17 & selected2019==1 & ban
> co==2, row obs percent ci nomarginal
(running tabulate on estimation sample)

Number of strata	=	64	Number of obs	=	9,975
Number of PSUs	=	835	Population size	=	12,047,642
N. of poststrata	=	80	Design df	=	771

racePNS2019	planPNS2019	
	No	Yes
White	82.17 [80.16,84.02] 3034	17.83 [15.98,19.84] 701
Black/Br	86.55 [85.22,87.79] 5410	13.45 [12.21,14.78] 830

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:

Uncorrected chi2(1) = 34.6071
 Design-based F(1, 771) = 18.6418 P = 0.0000

342 .

343 . svy: tabulate racePNS2019 accessPNS2019 if region==1 & agePNS2019>17 & selected2019==1 & b
 > anco==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 70 Number of obs = 16,586
 Number of PSUs = 1,370 Population size = 12,494,635
 N. of poststrata = 136 Design df = 1,300

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	95.56 [93.56,96.95] 3084	4.443 [3.047,6.436] 129
Black/Br	95.93 [95.28,96.5] 1.3e+04	4.07 [3.504,4.723] 611

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 0.8818
 Design-based F(1, 1300) = 0.2222 P = 0.6375

344 .

svy: tabulate racePNS2019 accessPNS2019 if region==2 & agePNS2019>17 & selected2019==1 & b
 > anco==2, row obs percent ci nomarginal
 (running tabulate on estimation sample)

Number of strata = 190 Number of obs = 30,345
 Number of PSUs = 2,835 Population size = 42,106,815
 N. of poststrata = 224 Design df = 2,645

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	95.88 [95.12,96.54] 7448	4.115 [3.463,4.884] 345
Black/Br	95.1 [94.61,95.54] 2.1e+04	4.902 [4.455,5.392] 1230

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:

Uncorrected chi2(1) = 7.8260
 Design-based F(1, 2645) = 3.5212 P = 0.0607


```
345 .          svy: tabulate racePNS2019 accessPNS2019 if region==3 & agePNS2019>17 & selected2019==1 & b
> anco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	154	Number of obs	=	19,140
Number of PSUs	=	1,897	Population size	=	69,148,495
N. of poststrata	=	104	Design df	=	1,743

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	97.78 [97.27,98.19] 8909	2.225 [1.811,2.73] 226
Black/Br	96.8 [96.26,97.26] 9605	3.201 [2.736,3.741] 400

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 17.3592
Design-based F(1, 1743) = 7.8237 P = 0.0052

```
346 .          svy: tabulate racePNS2019 accessPNS2019 if region==4 & agePNS2019>17 & selected2019==1 & b
> anco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	96	Number of obs	=	11,141
Number of PSUs	=	1,090	Population size	=	23,373,724
N. of poststrata	=	72	Design df	=	994

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	98.48 [98.11,98.78] 8391	1.516 [1.216,1.889] 142
Black/Br	98.06 [97.19,98.66] 2545	1.943 [1.341,2.808] 63

Key: row percentage
[95% confidence interval for row percentage]
number of observations

Pearson:
Uncorrected chi2(1) = 2.4767
Design-based F(1, 994) = 1.2850 P = 0.2572

```
347 .          svy: tabulate racePNS2019 accessPNS2019 if region==5 & agePNS2019>17 & selected2019==1 & b
> anco==2, row obs percent ci nomarginal
(running tabulate on estimation sample)
```

Number of strata	=	64	Number of obs	=	9,975
Number of PSUs	=	835	Population size	=	12,047,642
N. of poststrata	=	80	Design df	=	771

racePNS2019	cared2w_PNS2019 notseekPNS2019 == 1	
	No	Yes
White	96.45 [95.02,97.48] 3614	3.551 [2.521,4.979] 121
Black/Br	97.13 [96.38,97.72] 6047	2.874 [2.278,3.619] 193

Key: row percentage
 [95% confidence interval for row percentage]
 number of observations

Pearson:
 Uncorrected chi2(1) = 3.4888
 Design-based F(1, 771) = 0.9755 P = 0.3236

348 .
 349 . // END OF DO-FILE
 350 .
 351 .
 end of do-file