



2009-2018 Community Health Survey

**Participation Reports Landline and cell sample rates
per AAPOR Cell Phone Task Force Report (2010).**

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Sample Disposition Report

2009 CHS Landline sample

		TOTAL
Interview (Category 1)		
Complete	1	9360
Screen-outs	1.1	108
Partial	1.2	421
Eligible, non-interview (Category 2)		
Refusal and breakoff	2.1	14
Refusal	2.11	908
Break off	2.12	21
Non-contact	2.2	1072
Respondent never available	2.21	772
Physically or mentally unable/incompetent	2.32	2138
Unknown eligibility, non-interview (Category 3)		
Always busy	3.12	2120
No answer	3.13	3162
No Answer All Attempts - Estimated Good	3.131	7700
Answering machine-don't know if household	3.14	3707
Call blocking	3.15	27
No screener completed	3.21	21457
Foreign Language - Other	3.22	2303
Not eligible (Category 4)		
Fax/data line	4.2	6307
Non-working/disconnect	4.3	7671
No Answer All Attempts - Estimated Bad	4.31	3674
Temporarily out of service	4.33	149
Cell phone	4.42	155
Business, government office, other organizations	4.51	9233
Quota filled	4.8	1844
Other	4.9	76
Total phone numbers used		84399

Sample Disposition Report
2009 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	9468
Partial Interviews (1.2)	P	421
Refusal and break off (2.1)	R	943
Non Contact (2.2)	NC	1844
Other (2.3)	O	2138
Unknown household (3.1)	UH	16716
Unknown other (3.2, 3.9)	UO	21457
Not Eligible (4.0)	NE	29109
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.337
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.179
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.187
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.342
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.357
Cooperation Rate 1	$I/(I+P)+R+O)$	0.730
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.762
Cooperation Rate 3	$I/((I+P)+R))$	0.874
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.913
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.018
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.034
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.064
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.245
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.468
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.876

Sample Disposition Report
2009 Cell phone sample

			TOTAL
Interview (Category 1)			
Complete	1	I	574
Screen-outs	1.1	I	2159
Partial	1.2	P	36
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	1
Refusal	2.11	R	59
Break off	2.12	R	1
Non-contact	2.2	NC	144
Respondent never available	2.21	NC	24
Physically or mentally unable/incompetent	2.32	O	94
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	33
No answer	3.13	UH	549
No Answer All Attempts	3.131	UH	13
Answering machine-don't know if household	3.14	UH	1755
Call blocking	3.15	UH	18
No screener completed	3.21	UO	3134
Foreign Language - Other	3.22	UO	517
Not eligible (Category 4)			
Fax/data line	4.2	NE	48
Non-working/disconnect	4.3	NE	3428
Temporarily out of service	4.33	NE	37
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	435
Quota filled	4.8	NE	0
Other	4.9	NE	144
Total phone numbers used			13203

Sample Disposition Report
2009 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	2733
Partial Interviews (1.2)	P	36
Refusal and break off (2.1)	R	61
Non Contact (2.2)	NC	168
Other (2.3)	O	94
Unknown household (3.1)	UH	2368
Unknown other (3.2, 3.9)	UO	3134
Not Eligible (4.0)	NE	4092
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.430
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.318
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.322
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.501
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.507
Cooperation Rate 1	$I/(I+P)+R+O)$	0.935
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.947
Cooperation Rate 3	$I/((I+P)+R))$	0.966
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.978
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.007
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.011
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.020
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.340
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.536
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.946

Sample Disposition Report
2010 CHS Landline sample

Interview (Category 1)		TOTAL
Complete	1	8131
Screen-outs	1.1	122
Partial	1.2	259
Eligible, non-interview (Category 2)		
Refusal and breakoff	2.1	57
Refusal	2.11	741
Break off	2.12	129
Non-contact	2.2	1033
Respondent never available	2.21	82
Physically or mentally unable/incompetent	2.32	1617
Unknown eligibility, non-interview (Category 3)		
Always busy	3.12	2307
No answer	3.13	4444
No Answer All Attempts - Estimated Good (1/3)	3.131	3521
Answering machine-don't know if household	3.14	4555
Call blocking	3.15	12
No screener completed	3.21	21170
Foreign Language - Other	3.22	2035
Not eligible (Category 4)		
Fax/data line	4.2	6050
Non-working/disconnect	4.3	8318
No Answer All Attempts - Estimated Bad (2/3)	4.31	7042
Temporarily out of service	4.33	143
Cell phone	4.42	116
Business, government office, other organizations	4.51	9319
Replicate Ineligible	4.8	2125
Other	4.9	80
Total phone numbers used		83408

Sample Disposition Report
2009 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	8253
Partial Interviews (1.2)	P	259
Refusal and break off (2.1)	R	927
Non Contact (2.2)	NC	1115
Other (2.3)	O	1617
Unknown household (3.1)	UH	14839
Unknown other (3.2, 3.9)	UO	23205
Not Eligible (4.0)	NE	33193

e = Estimated proportion of cases of unknown eligibility that are eligible.

$$\frac{(I+P+R+NC+O)}{((I+P+R+NC+O)+NE)} \quad 0.268$$

Response Rate 1	$I / (I+P) + (R+NC+O) + (UH+UO)$	0.164
Response Rate 2	$(I+P) / ((I+P) + (R+NC+O) + (UH+UO))$	0.170
Response Rate 3	$I / ((I+P) + (R+NC+O) + e(UH+UO))$	0.369
Response Rate 4	$(I+P) / ((I+P) + (R+NC+O) + e(UH+UO))$	0.380

Cooperation Rate 1	$I / (I+P+R+O)$	0.746
Cooperation Rate 2	$(I+P) / ((I+P)+R+O)$	0.770
Cooperation Rate 3	$I / ((I+P)+R)$	0.874
Cooperation Rate 4	$(I+P) / ((I+P)+R)$	0.902

Refusal Rate 1	$R / ((I+P)+(R+NC+O) + UH + UO)$	0.018
Refusal Rate 2	$R / ((I+P)+(R+NC+O) + e(UH + UO))$	0.041
Refusal Rate 3	$R / ((I+P)+(R+NC+O))$	0.076

Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.220
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.494
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.908

Sample Disposition Report
2010 CHS Cell sample

		TOTAL
Interview (Category 1)		
Complete	1	534
Screen-outs	1.1	1832
Partial	1.2	31
Eligible, non-interview (Category 2)		
Refusal and breakoff	2.1	5
Refusal	2.11	47
Break off	2.12	19
Non-contact	2.2	146
Respondent never available	2.21	6
Physically or mentally unable/incompetent	2.32	77
Unknown eligibility, non-interview (Category 3)		
Always busy	3.12	38
No answer	3.13	412
No Answer All Attempts - Estimated Good (1/3)	3.131	1
Answering machine-don't know if household	3.14	1714
Call blocking	3.15	16
No screener completed	3.21	3177
Foreign Language - Other	3.22	505
Not eligible (Category 4)		
Fax/data line	4.2	27
Non-working/disconnect	4.3	3157
No Answer All Attempts - Estimated Bad (2/3)	4.31	1
Temporarily out of service	4.33	29
Cell phone	4.42	1
Business, government office, other organizations	4.51	438
Replicate ineligible	4.8	0
Other	4.9	112
Total phone numbers used		12325

Sample Disposition Report
2010 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	2366
Partial Interviews (1.2)	P	31
Refusal and break off (2.1)	R	71
Non Contact (2.2)	NC	152
Other (2.3)	O	77
Unknown household (3.1)	UH	2181
Unknown other (3.2, 3.9)	UO	3682
Not Eligible (4.0)	NE	3765
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.417
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.276
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.280
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.460
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.466
Cooperation Rate 1	$I/(I+P)+R+O)$	0.930
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.942
Cooperation Rate 3	$I/((I+P)+R))$	0.959
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.971
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.008
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.014
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.026
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.297
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.495
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.944

Sample Disposition Report
2011 Landline sample

		TOTAL
Interview (Category 1)		
Complete	1	7520
Screen-outs	1.1	176
Partial	1.2	378
Eligible, non-interview (Category 2)		
Refusal and breakoff	2.1	19
Refusal	2.11	1106
Break off	2.12	28
Non-contact	2.2	1233
Respondent never available Physically or mentally unable/incompetent	2.21 2.32	117 1523
Unknown eligibility, non-interview (Category 3)		
Always busy	3.12	2881
No answer	3.13	7224
No Answer All Attempts - Estimated Good (1/3)	3.131	3868
Answering machine-don't know if household	3.14	5883
Call blocking	3.15	17
No screener completed	3.21	26002
Foreign Language - Other	3.22	2091
Not eligible (Category 4)		
Fax/data line	4.2	7286
Non-working/disconnect	4.3	11484
No Answer All Attempts - Estimated Bad (2/3)	4.31	7735
Temporarily out of service	4.33	149
Cell phone	4.42	122
Business, government office, other organizations	4.51	11319
Quota filled	4.8	2198
Other	4.9	99
Total phone numbers used		100458

Sample Disposition Report
2011 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	7696
Partial Interviews (1.2)	P	378
Refusal and break off (2.1)	R	1153
Non Contact (2.2)	NC	1350
Other (2.3)	O	1523
Unknown household (3.1)	UH	19873
Unknown other (3.2, 3.9)	UO	28093
Not Eligible (4.0)	NE	40392
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.231
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.128
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.134
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.332
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.349
Cooperation Rate 1	$I/(I+P)+R+O)$	0.716
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.751
Cooperation Rate 3	$I/((I+P)+R))$	0.834
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.875
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.019
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.050
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.095
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.179
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.464
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.888

Sample Disposition Report
2011 CHS Cell sample

Interview (Category 1)			TOTAL
Complete	1	I	1272
Screen-outs	1.1	I	1556
Partial	1.2	P	85
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	7
Refusal	2.11	R	120
Break off	2.12	R	10
Non-contact	2.2	NC	106
Respondent never available Physically or mentally unable/incompetent	2.21	NC	16
	2.32	O	94
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	112
No answer	3.13	UH	369
No Answer All Attempts - Estimated Good (1/3)	3.131	UH	0
Answering machine-don't know if household	3.14	UH	2521
Call blocking	3.15	UH	93
No screener completed	3.21	UO	4715
Foreign Language - Other	3.22	UO	841
Not eligible (Category 4)			
Fax/data line	4.2	NE	27
Non-working/disconnect	4.3	NE	4746
No Answer All Attempts - Estimated Bad (2/3)	4.31	NE	0
Temporarily out of service	4.33	NE	106
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	563
Quota filled	4.8	NE	0
Other	4.9	NE	333
 Total phone numbers used			 17692

Sample Disposition Report
2011 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	2828
Partial Interviews (1.2)	P	85
Refusal and break off (2.1)	R	137
Non Contact (2.2)	NC	122
Other (2.3)	O	94
Unknown household (3.1)	UH	3095
Unknown other (3.2, 3.9)	UO	5556
Not Eligible (4.0)	NE	5775
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.361
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.237
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.244
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.442
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.456
Cooperation Rate 1	$I/(I+P)+R+O)$	0.899
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.927
Cooperation Rate 3	$I/((I+P)+R))$	0.927
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.955
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.011
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.021
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.042
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.264
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.492
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.963

Sample Disposition Report
2012 CHS Landline sample

			TOTAL
Interview (Category 1)			
Complete	1	I	7065
Screen-outs	1.1	I	287
Partial	1.2	P	544
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	26
Refusal	2.11	R	1076
Break off	2.12	R	53
Non-contact	2.2	NC	1560
Respondent never available Physically or mentally unable/incompetent	2.21	NC	129
	2.32	O	1078
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	1067
No answer	3.13	UH	7513
No Answer All Attempts - Estimated Good (e [.29])	3.131	UH	2866
Answering machine-don't know if household	3.14	UH	5179
Call blocking	3.15	UH	14
No screener completed	3.21	UO	22333
Foreign Language - Other	3.22	UO	1743
Not eligible (Category 4)			
Fax/data line	4.2	NE	5768
Non-working/disconnect	4.3	NE	13145
No Answer All Attempts - Estimated Bad (1-e [.71])	4.31	NE	7018
Temporarily out of service	4.33	NE	211
Cell phone	4.42	NE	99
Business, government office, other organizations	4.51	NE	7139
Quota filled	4.8	NE	2482
Other	4.9	NE	93
Total phone numbers used			88488

Sample Disposition Report
2012 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	7352
Partial Interviews (1.2)	P	544
Refusal and break off (2.1)	R	1155
Non Contact (2.2)	NC	1689
Other (2.3)	O	1078
Unknown household (3.1)	UH	16639
Unknown other (3.2, 3.9)	UO	24076
Not Eligible (4.0)	NE	35955
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.247
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.140
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.150
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.336
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.361
Cooperation Rate 1	$I/(I+P)+R+O)$	0.726
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.780
Cooperation Rate 3	$I/((I+P)+R))$	0.812
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.872
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.022
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.053
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.098
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.193
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.463
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.857

Sample Disposition Report
2012 CHS Cell sample

			TOTAL
Interview (Category 1)			
Complete	1	I	1732
Screen-outs	1.1	I	1957
Partial	1.2	P	203
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	3
Refusal	2.11	R	156
Break off	2.12	R	28
Non-contact	2.2	NC	196
Respondent never available	2.21	NC	28
Physically or mentally unable/incompetent	2.32	O	68
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	199
No answer	3.13	UH	519
No Answer All Attempts - Estimated Good (1/3)	3.131	UH	0
Answering machine-don't know if household	3.14	UH	3142
Call blocking	3.15	UH	192
No screener completed	3.21	UO	6081
Foreign Language - Other	3.22	UO	401
Not eligible (Category 4)			
Fax/data line	4.2	NE	19
Non-working/disconnect	4.3	NE	5436
No Answer All Attempts - Estimated Bad (2/3)	4.31	NE	1
Temporarily out of service	4.33	NE	228
Cell phone	4.42	NE	2
Business, government office, other organizations	4.51	NE	617
Quota filled	4.8	NE	0
Other	4.9	NE	267
Total phone numbers used			21475

Sample Disposition Report
2012 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	3689
Partial Interviews (1.2)	P	203
Refusal and break off (2.1)	R	187
Non Contact (2.2)	NC	224
Other (2.3)	O	68
Unknown household (3.1)	UH	4052
Unknown other (3.2, 3.9)	UO	6482
Not Eligible (4.0)	NE	6570
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.400
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.247
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.261
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.430
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.454
Cooperation Rate 1	$I/(I+P)+R+O)$	0.890
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.939
Cooperation Rate 3	$I/((I+P)+R))$	0.904
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.954
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.013
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.022
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.043
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.278
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.483
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.949

Sample Disposition Report
2013 CHS Landline sample

			TOTAL
Interview (Category 1)			
Complete	1	I	4679
Screen-outs	1.1	I	139
Partial	1.2	P	373
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	32
Refusal	2.11	R	519
Break off	2.12	R	43
Non-contact	2.2	NC	722
Respondent never available	2.21	NC	61
Physically or mentally unable/incompetent	2.32	O	764
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	928
No answer	3.13	UH	5111
No Answer All Attempts - Estimated Good (e [.274])	3.131	UH	1786
Answering machine-don't know if household	3.14	UH	3564
Call blocking	3.15	UH	9
No screener completed	3.21	UO	14850
Foreign Language - Other	3.22	UO	1166
Not eligible (Category 4)			
Fax/data line	4.2	NE	3561
Non-working/disconnect	4.3	NE	9671
No Answer All Attempts - Estimated Bad (1-e [.726])	4.31	NE	4733
Temporarily out of service	4.33	NE	123
Cell phone	4.42	NE	70
Business, government office, other organizations	4.51	NE	4901
Quota filled	4.8	NE	1106
Other	4.9	NE	33
Total phone numbers used			58944

Sample Disposition Report
2013 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	4818
Partial Interviews (1.2)	P	373
Refusal and break off (2.1)	R	594
Non Contact (2.2)	NC	783
Other (2.3)	O	764
Unknown household (3.1)	UH	11398
Unknown other (3.2, 3.9)	UO	16016
Not Eligible (4.0)	NE	24198

e = Estimated proportion of cases of unknown eligibility that are eligible.

	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.233
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.139
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.149
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.352
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.379
Cooperation Rate 1	$I/(I+P)+R+O)$	0.736
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.793
Cooperation Rate 3	$I/((I+P)+R))$	0.833
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.897
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.017
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.043
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.081
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.188
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.478
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.893

Sample Disposition Report
2013 CHS Cell sample

			TOTAL
Interview (Category 1)			
Complete	1	I	4019
Screen-outs	1.1	I	3876
Partial	1.2	P	448
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	32
Refusal	2.11	R	122
Break off	2.12	R	54
Non-contact	2.2	NC	310
Respondent never available	2.21	NC	33
Physically or mentally unable/incompetent	2.32	O	210
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	1113
No answer	3.13	UH	1629
No Answer All Attempts - Estimated Good (e [.356])	3.131	UH	48
Answering machine-don't know if household	3.14	UH	8847
Call blocking	3.15	UH	76
No screener completed	3.21	UO	14113
Foreign Language - Other	3.22	UO	937
Not eligible (Category 4)			
Fax/data line	4.2	NE	60
Non-working/disconnect	4.3	NE	13982
No Answer All Attempts - Estimated Bad (1-e [.644])	4.31	NE	88
Temporarily out of service	4.33	NE	453
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	1389
Quota filled	4.8	NE	0
Other	4.9	NE	583
Total phone numbers used			52422

Sample Disposition Report
2013 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	7895
Partial Interviews (1.2)	P	448
Refusal and break off (2.1)	R	208
Non Contact (2.2)	NC	343
Other (2.3)	O	210
Unknown household (3.1)	UH	11713
Unknown other (3.2, 3.9)	UO	15050
Not Eligible (4.0)	NE	16555
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.355
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.220
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.233
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.424
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.449
Cooperation Rate 1	$I/(I+P)+R+O)$	0.901
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.952
Cooperation Rate 3	$I/((I+P)+R))$	0.923
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.976
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.006
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.011
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.023
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.244
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.471
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.962

Sample Disposition Report
2014 CHS Landline sample

			TOTAL
Interview (Category 1)			
Complete	1	I	4263
Screen-outs	1.1	I	149
Partial	1.2	P	334
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	24
Refusal	2.11	R	526
Break off	2.12	R	30
Non-contact	2.2	NC	589
Respondent never available	2.21	NC	196
Physically or mentally unable/incompetent	2.32	O	705
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	846
No answer	3.13	UH	5657
No Answer All Attempts - Estimated Good (e [.256])	3.131	UH	2204
Answering machine-don't know if household	3.14	UH	3993
Call blocking	3.15	UH	11
No screener completed	3.21	UO	15632
Foreign Language - Other	3.22	UO	1237
Not eligible (Category 4)			
Fax/data line	4.2	NE	3924
Non-working/disconnect	4.3	NE	8284
No Answer All Attempts - Estimated Bad (1-e [.744])	4.31	NE	6406
Temporarily out of service	4.33	NE	218
Cell phone	4.42	NE	56
Business, government office, other organizations	4.51	NE	5972
Quota filled	4.8	NE	1311
Other	4.9	NE	23
Total phone numbers used			62590

Sample Disposition Report
2014 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	4412
Partial Interviews (1.2)	P	334
Refusal and break off (2.1)	R	580
Non Contact (2.2)	NC	785
Other (2.3)	O	705
Unknown household (3.1)	UH	12711
Unknown other (3.2, 3.9)	UO	16869
Not Eligible (4.0)	NE	26194
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.206
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.121
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.130
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.341
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.367
Cooperation Rate 1	$I/(I+P)+R+O)$	0.732
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.787
Cooperation Rate 3	$I/((I+P)+R))$	0.828
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.891
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.016
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.045
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.085
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.166
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.467
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.885

Sample Disposition Report
2014 Cell phone sample

			TOTAL
Interview (Category 1)			
Complete	1	I	4302
Screen-outs	1.1	I	4562
Partial	1.2	P	504
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	33
Refusal	2.11	R	111
Break off	2.12	R	45
Non-contact	2.2	NC	321
Respondent never available	2.21	NC	42
Physically or mentally unable/incompetent	2.32	O	193
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	1313
No answer	3.13	UH	1310
No Answer All Attempts - Estimated Good [.362]	3.131	UH	46
Answering machine-don't know if household	3.14	UH	7875
Call blocking	3.15	UH	67
No screener completed	3.21	UO	15532
Foreign Language - Other	3.22	UO	1066
Not eligible (Category 4)			
Fax/data line	4.2	NE	50
Non-working/disconnect	4.3	NE	15430
No Answer All Attempts - Estimated Bad [.638]	4.31	NE	80
Temporarily out of service	4.33	NE	507
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	1435
Quota filled	4.8	NE	0
Other	4.9	NE	412
Total phone numbers used			55236

Sample Disposition Report
2014 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	8864
Partial Interviews (1.2)	P	504
Refusal and break off (2.1)	R	189
Non Contact (2.2)	NC	363
Other (2.3)	O	193
Unknown household (3.1)	UH	10611
Unknown other (3.2, 3.9)	UO	16598
Not Eligible (4.0)	NE	17914
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.361
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.238
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.251
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.445
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.470
Cooperation Rate 1	$I/(I+P)+R+O)$	0.909
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	0.961
Cooperation Rate 3	$I/((I+P)+R))$	0.927
Cooperation Rate 4	$(I+P)/((I+P)+R))$	0.980
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.005
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.009
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	0.019
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.261
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.489
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	0.964

Sample Disposition Report
2015 CHS Landline sample

			TOTAL
Interview (Category 1)			
Complete	1	I	5133
Screen-outs	1.1	I	219
Partial	1.2	P	386
Partial (complete removed from analysis)	1.25	P	3
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	15
Refusal	2.11	R	743
Break off	2.12	R	34
Non-contact	2.2	NC	726
Respondent never available	2.21	NC	401
Physically or mentally unable/incompetent	2.32	O	1274
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	694
No answer	3.13	UH	6723
No Answer All Attempts	3.131	UH	15268
Answering machine-don't know if household	3.14	UH	7995
Call blocking	3.15	UH	41
No screener completed	3.21	UO	23821
Foreign Language - Other	3.22	UO	2040
Not eligible (Category 4)			
Fax/data line	4.2	NE	5311
Non-working/disconnect	4.3	NE	170043
Temporarily out of service	4.33	NE	236
Cell phone	4.42	NE	76
CELL PHONE (REMOVED BY CSS/NEUSTAR)	4.45	NE	2268
Business, government office, other organizations	4.51	NE	27892
Quota filled	4.8	NE	1119
Other	4.9	NE	142
Total phone numbers used			272603

Sample Disposition Report
2015 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	5352
Partial Interviews (1.2)	P	389
Refusal and break off (2.1)	R	792
Non Contact (2.2)	NC	1127
Other (2.3)	O	1274
Unknown household (3.1)	UH	30721
Unknown other (3.2, 3.9)	UO	25861
Not Eligible (4.0)	NE	207087

e = Estimated proportion of cases of unknown eligibility that are eligible.

	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.041
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	8.2%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	8.8%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	47.5%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	50.9%
Cooperation Rate 1	$I/(I+P)+R+O)$	68.6%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	73.5%
Cooperation Rate 3	$I/((I+P)+R))$	81.9%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	87.9%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	1.2%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	7.0%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	8.9%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	11.9%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	69.2%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	87.4%

Sample Disposition Report
2015 CHS Cell sample

			TOTAL
Interview (Category 1)			
Complete	1	I	5039
Screen-outs	1.1	I	4588
Partial	1.2	P	351
Partial (complete removed from analysis)	1.25	P	4
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	18
Refusal	2.11	R	240
Break off	2.12	R	31
Non-contact	2.2	NC	523
Respondent never available	2.21	NC	117
Physically or mentally unable/incompetent	2.32	O	282
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	1896
No answer	3.13	UH	1485
No Answer All Attempts - Estimated Good (e [.332])	3.131	UH	219
Answering machine-don't know if household	3.14	UH	10240
Call blocking	3.15	UH	209
No screener completed	3.21	UO	19416
Foreign Language - Other	3.22	UO	1334
Not eligible (Category 4)			
Fax/data line	4.2	NE	69
Non-working/disconnect	4.3	NE	18678
No Answer All Attempts - Estimated Bad (1-e [.668])	4.31	NE	441
Temporarily out of service	4.33	NE	662
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	1973
Quota filled	4.8	NE	0
Other	4.9	NE	1106
Total phone numbers used			68921

Sample Disposition Report
2015 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	9627
Partial Interviews (1.2)	P	355
Refusal and break off (2.1)	R	289
Non Contact (2.2)	NC	640
Other (2.3)	O	282
Unknown household (3.1)	UH	14049
Unknown other (3.2, 3.9)	UO	20750
Not Eligible (4.0)	NE	22929
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	32.8%
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	20.9%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	21.7%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	42.6%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	44.2%
Cooperation Rate 1	$I/(I+P)+R+O)$	91.2%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	94.6%
Cooperation Rate 3	$I/((I+P)+R))$	93.7%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	97.2%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.6%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	1.3%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	2.6%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	22.9%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	46.7%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	94.3%

Sample Disposition Report
2016 CHS Landline sample

Interview (Category 1)			TOTAL
Complete	1.000	I	4987
Screen-outs	1.100	I	247
Partial	1.200	P	375
Partial (complete removed from analysis)	1.250	P	0
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.100	R	34
Refusal	2.110	R	669
Break off	2.120	R	43
Non-contact	2.200	NC	668
Respondent never available	2.210	NC	52
Physically or mentally unable/incompetent	2.320	O	1441
Unknown eligibility, non-interview (Category 3)			
Always busy	3.120	UH	734
No answer	3.130	UH	24130
No Answer All Attempts	3.131	UH	3885
Answering machine-don't know if household	3.140	UH	7182
Call blocking	3.150	UH	46
No screener completed	3.210	UO	25541
Foreign Language - Other	3.220	UO	1775
Not eligible (Category 4)			
Fax/data line	4.200	NE	4924
Non-working/disconnect	4.300	NE	147524
Temporarily out of service	4.330	NE	175
Cell phone	4.420	NE	61
Business, government office, other organizations	4.510	NE	24125
Quota filled	4.800	NE	769
Other	4.900	NE	98
Total phone numbers used			251475

Sample Disposition Report
2016 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	5234
Partial Interviews (1.2)	P	375
Refusal and break off (2.1)	R	746
Non Contact (2.2)	NC	720
Other (2.3)	O	1441
Unknown household (3.1)	UH	35977
Unknown other (3.2, 3.9)	UO	27316
Not Eligible (4.0)	NE	177676
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.046
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	7.3%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	7.8%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	45.9%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	49.2%
Cooperation Rate 1	$I/(I+P)+R+O)$	67.1%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	71.9%
Cooperation Rate 3	$I/((I+P)+R))$	82.4%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	88.3%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	1.0%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	6.5%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	8.8%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	10.9%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	68.3%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	91.5%

Sample Disposition Report
2016 CHS Cell sample

			TOTAL
Interview (Category 1)			
Complete	1	I	5013
Screen-outs	1.1	I	4326
Partial	1.2	P	348
Partial (complete removed from analysis)	1.25	P	1
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.1	R	16
Refusal	2.11	R	178
Break off	2.12	R	43
Non-contact	2.2	NC	514
Respondent never available	2.21	NC	24
Respondent deceased	2.31	O	1
Physically or mentally unable/incompetent	2.32	O	295
Unknown eligibility, non-interview (Category 3)			
Always busy	3.12	UH	1257
No answer	3.13	UH	1694
No Answer All Attempts - Estimated Good (e [.379])	3.131	UH	306
Answering machine-don't know if household	3.14	UH	8917
Call blocking	3.15	UH	273
No screener completed	3.21	UO	18141
Foreign Language - Other	3.22	UO	1223
Not eligible (Category 4)			
Fax/data line	4.2	NE	60
Non-working/disconnect	4.3	NE	13846
No Answer All Attempts - Estimated Bad (1-e [.621])	4.31	NE	502
Temporarily out of service	4.33	NE	657
Cell phone	4.42	NE	0
Business, government office, other organizations	4.51	NE	1592
Quota filled	4.8	NE	0
Other	4.9	NE	935
Total phone numbers used			60162

Sample Disposition Report
2016 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	9339
Partial Interviews (1.2)	P	349
Refusal and break off (2.1)	R	237
Non Contact (2.2)	NC	538
Other (2.3)	O	296
Unknown household (3.1)	UH	12447
Unknown other (3.2, 3.9)	UO	19364
Not Eligible (4.0)	NE	17592
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.379
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	21.9%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	22.8%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	40.9%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	42.4%
Cooperation Rate 1	$I/(I+P)+R+O)$	91.4%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	94.8%
Cooperation Rate 3	$I/((I+P)+R))$	94.1%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	97.6%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.6%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	1.0%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	2.2%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	24.0%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	44.8%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	95.0%

Sample Disposition Report
2017 CHS Landline sample

Interview (Category 1)			TOTAL
Complete	1		4042
Screen-outs	1.100		290
Partial	1.200		439
Partial (complete removed from analysis)	1.250		2
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.100	R	63
Refusal	2.110	R	362
Break off	2.120	R	43
Non-contact	2.200	NC	520
Respondent never available	2.210	NC	43
Physically or mentally unable/incompetent	2.320	O	1557
Language problem	2.330	O	2
Unknown eligibility, non-interview (Category 3)			
Always busy	3.120	UH	663
No answer	3.130	UH	7560
No Answer All Attempts [Estimated good (e [.035])	3.131	UH	979
Answering machine-don't know if household	3.140	UH	11582
Call blocking	3.150	UH	83
No screener completed	3.210	UO	29163
Foreign language-other	3.220	UO	1774
Not eligible (Category 4)			
Fax/data line	4.200	NE	6860
Non-working/disconnect	4.300	NE	169376
No Answer All Attempts - Estimated Bad (1-e [.965])	3.131	NE	26991
Temporarily out of service	4.330	NE	2363
Cell phone	4.420	NE	2263
Business, government office, other organizations	4.510	NE	22844
Quota filled	4.800	NE	334
Other	4.900	NE	114
Total phone numbers used			290310

Sample Disposition Report
2017 CHS Landline sample

Completes and Screen-Outs (1.0/1.1)	I	4332
Partial Interviews (1.2)	P	439
Refusal and break off (2.1)	R	468
Non Contact (2.2)	NC	563
Other (2.3)	O	1559
Unknown household (3.1)	UH	20867
Unknown other (3.2, 3.9)	UO	30937
Not Eligible (4.0)	NE	231145
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	3.1%
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	7.3%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	8.1%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	48.3%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	53.2%
Cooperation Rate 1	$I/(I+P)+R+O)$	63.7%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	70.2%
Cooperation Rate 3	$I/((I+P)+R))$	82.7%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	91.1%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.8%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	5.2%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	6.4%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	11.5%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	75.9%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	92.4%

Sample Disposition Report
2017 CHS Cell sample

			TOTAL
Interview (Category 1)			
Complete	1.000	I	5963
Screen-outs	1.100	I	6031
Partial	1.200	P	505
Partial (complete removed from analysis)	1.250	P	4
Eligible, non-interview (Category 2)			
Refusal and breakoff	2.100	R	36
Refusal	2.110	R	151
Break off	2.120	R	78
Non-contact	2.200	NC	370
Respondent never available	2.210	NC	12
Physically or mentally unable/incompetent	2.320	O	467
Language problem	2.330	O	6
Unknown eligibility, non-interview (Category 3)			
Always busy	3.120	UH	3677
No answer	3.130	UH	3745
No Answer All Attempts [Estimated good (e [.337])	3.131	UH	799
Answering machine-don't know if household	3.140	UH	20999
Call blocking	3.150	UH	578
No screener completed	3.210	UO	33508
Other	3.900	UO	1760
Not eligible (Category 4)			
Out of sample - other strata than originally coded	4.100	NE	0
Fax/data line	4.200	NE	209
Non-working/disconnect	4.300	NE	21105
No Answer All Attempts - Estimated bad (1-e [.663])	3.131	NE	1574
Temporarily out of service	4.330	NE	1808
Business, government office, other organizations	4.510	NE	2638
Quota filled	4.800	NE	253
Other	4.900	NE	810
Total phone numbers used			107086

Sample Disposition Report
2017 CHS Cell sample

Completes and Screen-Outs (1.0/1.1)	I	11994
Partial Interviews (1.2)	P	509
Refusal and break off (2.1)	R	265
Non Contact (2.2)	NC	382
Other (2.3)	O	473
Unknown household (3.1)	UH	29798
Unknown other (3.2, 3.9)	UO	35268
Not Eligible (4.0)	NE	28397
e = Estimated proportion of cases of unknown eligibility that are eligible.	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.324
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	15.2%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	15.9%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	34.5%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	36.0%
Cooperation Rate 1	$I/(I+P)+R+O)$	90.6%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	94.4%
Cooperation Rate 3	$I/((I+P)+R))$	93.9%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	97.9%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.3%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.8%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	1.9%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	16.8%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	38.1%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	97.2%

Sample Disposition Report

2018 CHS LL sample

Interview (Category 1)			TOTAL
Complete	1	I	4020
Screen-outs	1.100	I	221
Partial	1.200	P	272
Partial (removed from analysis)	1.250	P	1

Eligible, non-interview (Category 2)			
Refusal and breakoff	2.100	R	48
Refusal	2.110	R	351
Break off	2.120	R	31
Non-contact	2.200	NC	354
Respondent never available	2.210	NC	42
Physically or mentally unable/incompetent	2.320	O	1540

Unknown eligibility, non-interview (Category 3)			
Always busy	3.120	UH	909
No answer	3.130	UH	8136
No Answer All Attempts [Estimated good (e [.032])]	3.131	UH	1009
Answering machine-don't know if household	3.140	UH	20796
Call blocking	3.150	UH	167
No screener completed	3.210	UO	36140
Foreign language-other	3.220	UO	1470

Not eligible (Category 4)			
Fax/data line	4.200	NE	6300
Non-working/disconnect	4.300	NE	179465
No Answer All Attempts - Estimated Bad (1-e [.968])	3.131	NE	30522
Temporarily out of service	4.330	NE	1545
Cell phone	4.420	NE	694
Business, government office, other organizations	4.510	NE	21713
Quota filled	4.800	NE	410
Other	4.900	NE	97

Total phone numbers used 316252

Sample Disposition Report

Completes and Screen-Outs (1.0/1.1)	I	4241
Partial Interviews (1.2)	P	272
Refusal and break off (2.1)	R	430
Non Contact (2.2)	NC	396
Other (2.3)	O	1540
Unknown household (3.1)	UH	31017
Unknown other (3.2, 3.9)	UO	37610
Not Eligible (4.0)	NE	240746

e = Estimated proportion of cases of unknown eligibility that are eligible.

	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	2.8%
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	5.6%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	6.0%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	48.3%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	51.4%
Cooperation Rate 1	$I/(I+P)+R+O)$	65.4%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	69.6%
Cooperation Rate 3	$I/((I+P)+R))$	85.8%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	91.3%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.6%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	4.9%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	6.3%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	8.6%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	73.8%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	94.2%

Sample Disposition Report

2018 CHS Cell sample

Interview (Category 1)

Complete	1.000	I	6056
Screen-outs	1.100	I	5320
Partial	1.200	P	558
Partial (complete removed from analysis)	1.250	P	7

Eligible, non-interview (Category 2)

Refusal and breakoff	2.100	R	48
Refusal	2.110	R	655
Break off	2.120	R	69
Non-contact	2.200	NC	1168
Respondent never available	2.210	NC	56
Physically or mentally unable/incompetent	2.320	O	404

Unknown eligibility, non-interview (Category 3)

Always busy	3.120	UH	3401
No answer	3.130	UH	5439
No Answer All Attempts [Estimated good (e [.381])	3.131	UH	4815
Answering machine-don't know if household	3.140	UH	43639
Call blocking	3.150	UH	1653
No screener completed	3.210	UO	56286
Other	3.900	UO	1691

Not eligible (Category 4)

Fax/data line	4.200	NE	53
Non-working/disconnect	4.300	NE	15840
No Answer All Attempts - Estimated bad (1-e [.619])	3.131	NE	7820
Temporarily out of service	4.330	NE	1901
Number changed	4.410	NE	2
Business, government office, other organizations	4.510	NE	3484
Quota filled	4.800	NE	178
Other	4.900	NE	1832

Total phone numbers used 162375

Sample Disposition Report

Completes and Screen-Outs (1.0/1.1)	I	11376
Partial Interviews (1.2)	P	565
Refusal and break off (2.1)	R	772
Non Contact (2.2)	NC	1224
Other (2.3)	O	404
Unknown household (3.1)	UH	58947
Unknown other (3.2, 3.9)	UO	57977
Not Eligible (4.0)	NE	31110

e = Estimated proportion of cases of unknown eligibility that are eligible.

	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	31.6%
Response Rate 1	$I/(I+P) + (R+NC+O) + (UH+UO)$	8.7%
Response Rate 2	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	9.1%
Response Rate 3	$I/((I+P) + (R+NC+O) + e(UH+UO))$	22.2%
Response Rate 4	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	23.3%
Cooperation Rate 1	$I/(I+P)+R+O)$	86.7%
Cooperation Rate 2	$(I+P)/((I+P)+R+O))$	91.0%
Cooperation Rate 3	$I/((I+P)+R))$	89.5%
Cooperation Rate 4	$(I+P)/((I+P)+R))$	93.9%
Refusal Rate 1	$R/((I+P)+(R+NC+O) + UH + UO))$	0.6%
Refusal Rate 2	$R/((I+P)+(R+NC+O) + e(UH + UO))$	1.5%
Refusal Rate 3	$R/((I+P)+(R+NC+O))$	5.4%
Contact Rate 1	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	10.0%
Contact Rate 2	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	25.6%
Contact Rate 3	$(I+P)+R+O / (I+P)+R+O+NC$	91.5%

Sample Disposition Report

Combined frame calculations, based on frame coverage of population 2009-2014

2009 CHS (dual-frame, no overlap)	Landline-only		Dual from LL only		Cell-only		Combined
		%		%		%	
AAPOR Response Rate #3	8.8%	34.2%	69.3%	34.2%	21.9%	50.1%	37.7%
AAPOR Cooperation Rate #3	8.8%	87.4%	69.3%	87.4%	21.9%	96.6%	89.4%

2010 CHS (dual-frame, no overlap)	Landline-only		Dual from LL only		Cell-only		Combined
		%		%		%	
AAPOR Response Rate #3	7.2%	36.9%	69.6%	36.9%	23.2%	46.0%	39.0%
AAPOR Cooperation Rate #3	7.2%	87.4%	69.6%	87.4%	23.2%	95.9%	89.4%

2011 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	9.8%	33.2%	28.8%	33.2%	28.8%	44.2%	32.7%	44.2%	40.0%
AAPOR Cooperation Rate #3	9.8%	83.4%	28.8%	83.4%	28.8%	92.7%	32.7%	92.7%	89.1%

2012 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	13.1%	33.6%	28.6%	33.6%	28.6%	43.0%	29.7%	43.0%	39.1%
AAPOR Cooperation Rate #3	13.1%	81.2%	28.6%	81.2%	28.6%	90.4%	29.7%	90.4%	86.6%

2013 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	12.4%	35.2%	27.2%	35.2%	27.2%	42.4%	33.2%	42.4%	39.5%
AAPOR Cooperation Rate #3	12.4%	83.3%	27.2%	83.3%	27.2%	92.3%	33.2%	92.3%	88.7%

2014 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	11.9%	34.1%	26.1%	34.1%	26.1%	44.5%	35.8%	44.5%	40.5%
AAPOR Cooperation Rate #3	11.9%	82.8%	26.1%	82.8%	26.1%	92.7%	35.8%	92.7%	88.9%

Sample Disposition Report

Combined frame calculations, based on frame coverage of population 2015-2018

2015 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	8.0%	47.5%	26.7%	47.5%	26.7%	42.6%	38.6%	42.6%	44.3%
AAPOR Cooperation Rate #3	8.0%	81.9%	26.7%	81.9%	26.7%	93.7%	38.6%	93.7%	89.6%

2016 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	7.6%	45.9%	25.4%	45.9%	25.4%	40.9%	41.7%	40.9%	42.5%
AAPOR Cooperation Rate #3	7.6%	82.4%	25.4%	82.4%	25.4%	94.1%	41.7%	94.1%	90.2%

2017 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	7.4%	48.3%	25.2%	48.3%	25.2%	34.5%	42.1%	34.5%	39.0%
AAPOR Cooperation Rate #3	7.4%	82.7%	25.2%	82.7%	25.2%	93.9%	42.1%	93.9%	90.2%

2018 CHS (dual-frame w/ overlap)	Landline-only		Dual from LL		Dual from Cell		Cell-only		Combined
		%		%		%		%	
AAPOR Response Rate #3	5.4%	48.3%	23.9%	48.3%	23.9%	22.2%	46.8%	22.2%	29.8%
AAPOR Cooperation Rate #3	5.4%	85.8%	23.9%	85.8%	23.9%	89.5%	46.8%	89.5%	88.4%