

## PHYSICAL ACTIVITY AND TRANSIT SURVEY (PAT) TELEPHONE DISPOSITION REPORTS

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### Overview of overall totals:

At the time of this survey an estimated 9.8% of the NYC population was landline only; 57.5% had both cell and landlines and 32.7% were cell phone only. The response and cooperation rates for the landline and cell phone sample frames are below. The overall rate was calculated by applying the landline and cell phone rates equally to the dual-user portion of the population. For example, the combined response rate was calculated as follows:

$$\begin{aligned} \text{Combined RR} &= \text{RR}_{\text{landline}} * (0.0983 + 0.5751/2) + \text{RR}_{\text{cell}} * (0.3266 + 0.5751/2) = \\ &= \text{RR}_{\text{landline}} * 0.3859 + \text{RR}_{\text{cell}} * 0.6142 = 38.0\% \end{aligned}$$

2010-2011 PAT Survey	Landline (overlapping)	Cell (overlapping)	Combined Landline and cell
AAPOR Response Rate #3	32.2%	41.7%	38.0%
AAPOR Cooperation Rate #3	88.8%	94.0%	92.0%

PAT Survey - Cell W1 and W2

		Cell W1	Cell W2	TOTAL	
<b>Interview (Category 1)</b>					
Complete	1	431	542	973	
Screen-outs	1.1	348	486	834	
Partial	1.2	2	3	5	
<b>Eligible, non-interview (Category 2)</b>					
Refusal and breakoff	2.1	0	0	0	
Refusal	2.11	56	54	110	
Break off	2.12	1	0	1	
Non-contact	2.2	146	95	241	
Respondent never available	2.21	11	4	15	
Physically or mentally unable/incompetent	2.32	38	24	62	
<b>Unknown eligibility, non-interview (Category 3)</b>					
Always busy	3.12	26	48	74	
No answer	3.13	67	191	258	
No Answer All Attempts - Estimated Good (1/3)	3.131	0	0	0	
Answering machine-don't know if household	3.14	696	970	1666	
Call blocking	3.15	6	20	26	
No screener completed	3.21	1406	1781	3187	
Foreign Language - Other	3.22	133	162	295	
<b>Not eligible (Category 4)</b>					
Fax/data line	4.2	5	11	16	
Non-working/disconnect	4.3	1453	1592	3045	
No Answer All Attempts - Estimated Bad (2/3)	4.31	0	0	0	
Temporarily out of service	4.33	21	14	35	
Cell phone	4.42	3	0	3	
Business, government office, other organizations	4.51	150	186	336	
Quota filled	4.8	0	0	0	
Other	4.9	93	121	214	
<b>Total phone numbers used</b>		<b>5092</b>	<b>6304</b>	<b>11396</b>	
Completions and Screen-Outs (1.0/1.1)		I	779	1028	1807
Partial Interviews (1.2)		P	2	3	5
Refusal and break off (2.1)		R	57	54	111
Non Contact (2.2)		NC	157	99	256
Other (2.3)		O	38	24	62
Unknown household (3.1)		UH	795	1229	2024
Unknown other (3.2, 3.9)		UO	1539	1943	3482
Not Eligible (4.0)		NE	1725	1924	3649
<b>e = Estimated proportion of cases of unknown eligibility that are eligible.</b>		$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.375	0.386	0.380
<b>Response Rate 1</b>		$I/(I+P) + (R+NC+O) + (UH+UO)$	0.231	0.235	0.233
<b>Response Rate 2</b>		$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.232	0.235	0.234
<b>Response Rate 3</b>		$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.408	0.423	0.417
<b>Response Rate 4</b>		$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.410	0.424	0.418
<b>Cooperation Rate 1</b>		$I/(I+P)+R+O$	0.889	0.927	0.910
<b>Cooperation Rate 2</b>		$(I+P)/((I+P)+R+O)$	0.892	0.930	0.913
<b>Cooperation Rate 3</b>		$I/((I+P)+R)$	0.930	0.947	0.940

<b>Cooperation Rate 4</b>	$(I+P)/((I+P)+R)$	0.932	0.950	0.942
<b>Refusal Rate 1</b>	$R/((I+P)+(R+NC+O) + UH + UO)$	0.017	0.012	0.014
<b>Refusal Rate 2</b>	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.030	0.022	0.026
<b>Refusal Rate 3</b>	$R/((I+P)+(R+NC+O))$	0.055	0.045	0.050
<b>Contact Rate 1</b>	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.260	0.253	0.256
<b>Contact Rate 2</b>	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.459	0.456	0.458
<b>Contact Rate 3</b>	$(I+P)+R+O / (I+P)+R+O+NC$	0.848	0.918	0.886

<b>Interview (Category 1)</b>		<b>LL W1</b>	<b>LL W2</b>	<b>TOTAL</b>
Complete	1	940	2069	3009
Screen-outs	1.1	26	70	96
Partial	1.2	1	8	9
<b>Eligible, non-interview (Category 2)</b>				
Refusal and breakoff	2.1	0	0	0
Refusal	2.11	86	291	377
Break off	2.12	1	4	5
Non-contact	2.2	135	382	517
Respondent never available	2.21	24	18	42
Physically or mentally unable/incompetent	2.32	155	430	585
<b>Unknown eligibility, non-interview (Category 3)</b>				
Always busy	3.12	95	246	341
No answer	3.13	723	2000	2723
No Answer All Attempts - Estimated Good (1/3)	3.131	199	349	548
Answering machine-don't know if household	3.14	505	1516	2021
Call blocking	3.15	2	3	5
No screener completed	3.21	2532	6266	8798
Foreign Language - Other	3.22	170	452	622
<b>Not eligible (Category 4)</b>				
Fax/data line	4.2	606	1269	1875
Non-working/disconnect	4.3	1381	2409	3790
No Answer All Attempts - Estimated Bad (2/3)	4.31	397	699	1096
Temporarily out of service	4.33	13	26	39
Cell phone	4.42	12	27	39
Business, government office, other organizations	4.51	751	1654	2405
Quota filled	4.8	5	0	5
Other	4.9	10	26	36
<b>Total phone numbers used</b>		<b>8769</b>	<b>20214</b>	<b>28983</b>
Completes and Screen-Outs (1.0/1.1)	I	966	2139	3105
Partial Interviews (1.2)	P	1	8	9
Refusal and break off (2.1)	R	87	295	382
Non Contact (2.2)	NC	159	400	559
Other (2.3)	O	155	430	585
Unknown household (3.1)	UH	1524	4114	5638
Unknown other (3.2, 3.9)	UO	2702	6718	9420
Not Eligible (4.0)	NE	3175	6110	9285
<b>e = Estimated proportion of cases of unknown eligibility that are eligible.</b>	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.301	0.349	0.333
<b>Response Rate 1</b>	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.173	0.152	0.158
<b>Response Rate 2</b>	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.173	0.152	0.158
<b>Response Rate 3</b>	$I/((I+P) + (R+NC+O) + e(UH+UO) )$	0.366	0.303	0.322
<b>Response Rate 4</b>	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO) )$	0.366	0.305	0.322
<b>Cooperation Rate 1</b>	$I/(I+P)+R+O)$	0.799	0.745	0.761
<b>Cooperation Rate 2</b>	$(I+P)/((I+P)+R+O)$	0.800	0.748	0.763

<b>Cooperation Rate 3</b>	$I/((I+P)+R)$	0.917	0.876	0.888
<b>Cooperation Rate 4</b>	$(I+P)/((I+P)+R)$	0.917	0.879	0.891
<b>Refusal Rate 1</b>	$R/((I+P)+(R+NC+O) + UH + UO)$	0.016	0.021	0.019
<b>Refusal Rate 2</b>	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.033	0.042	0.040
<b>Refusal Rate 3</b>	$R/((I+P)+(R+NC+O))$	0.064	0.090	0.082
<b>Contact Rate 1</b>	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.216	0.204	0.207
<b>Contact Rate 2</b>	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.458	0.407	0.423
<b>Contact Rate 3</b>	$(I+P)+R+O / (I+P)+R+O+NC$	0.884	0.878	0.880