


Cardiovascular - Heart Attack by Demographics (Race/Ethnicity, Education, Income, Age, and Gender),  
Virginia, 2011

		Correct Heart Attack Symptoms and First Aid Response Knowledge							
		Yes				No			
		Sample Size	Weighted Counts	Weighted Percent (%)	CI	Sample Size	Weighted Counts	Weighted Percent (%)	CI
*Virginia	*State Total	737	586571	9.5	8.6 - 10.5	5868	5569480	90.5	89.5 - 91.4
Race/Ethnicity	Black/Non-Hispanic	72	72618	6.5	4.4 - 8.5	891	1048454	93.5	91.5 - 95.6
	Hispanic	---	---	---	---	250	403953	98.7	98.3 - 99.0
	Other	24	32181	7.5	3.3 - 11.7	294	398778	92.5	88.3 - 96.7
	White/Non-Hispanic	632	468210	11.4	10.2 - 12.6	4340	3641392	88.6	87.4 - 89.8
Education	< H.S.	38	44147	5.2	2.8 - 7.7	564	803111	94.8	92.3 - 97.2
	H.S. or G.E.D.	141	108741	6.6	5.2 - 8.1	1667	1533470	93.4	91.9 - 94.8
	Some College	206	207153	11.9	9.7 - 14.0	1390	1538926	88.1	86.0 - 90.3
	College Graduate	351	226280	12.0	10.4 - 13.5	2207	1666676	88.0	86.5 - 89.6
Income	\$15,000 or less	41	29740	6.4	3.7 - 9.2	482	433491	93.6	90.8 - 96.3
	\$15,000 to less than \$25,000	65	42424	4.8	2.7 - 6.8	917	845849	95.2	93.2 - 97.3
	\$25,000 to less than \$35,000	58	40228	7.4	4.5 - 10.2	539	506542	92.6	89.8 - 95.5
	\$35,000 to less than \$50,000	109	84883	12.0	9.2 - 14.8	687	622396	88.0	85.2 - 90.8
	\$50,000 or more	375	320584	11.9	10.3 - 13.5	2357	2370222	88.1	86.5 - 89.7
Age	Age 18 to 24	---	---	---	---	251	783528	98.8	97.7 - 99.9
	Age 25 to 34	38	68922	6.5	4.0 - 9.0	719	989853	93.5	91.0 - 96.0
	Age 35 to 44				7.7 -				87.2 -

		95	114711	10.3	12.8	796	1003330	89.7	92.3
	Age 45 to 54	170	153947	12.9	10.5 -15.2	1083	1043049	87.1	84.8 - 89.5
	Age 55 to 64	236	132326	13.8	11.6 -15.9	1311	829909	86.2	84.1 - 88.4
	Age 65 or older	193	107386	10.5	8.5 - 12.4	1708	919810	89.5	87.6 - 91.5
Gender	Female	519	380092	12.0	10.6 -13.4	3435	2779520	88.0	86.6 - 89.4
	Male	218	206479	6.9	5.7 - 8.1	2433	2789960	93.1	91.9 - 94.3

1. Data source: Virginia Department of Health, Division of Policy and Evaluation, Behavioral Risk Factor Surveillance Survey, 2011. Weighted counts and weighted percents are weighted to population characteristics.
2. "-" replaces estimates when the unweighted sample size for the denominator was < 20 or the CI half width was > 10 for any cell.
3. Responses of don't know/not sure, refused, or missing were removed from the numerator and denominator in all estimates.
4. \*\*\* Use caution in interpreting sample sizes less than 50.
5. CI= 95% confidence interval.
6. \*\*\* Respondents received a "yes" if they correctly identified all five signs of a heart attack and if they answered that they would call 9-1-1 as their first action if they thought someone was having a heart attack.
7. \*\*\* Heart Attack Symptoms include: 1) pain or discomfort in the jaw, neck, or back, 2) feeling weak, lightheaded, or faint, 3) chest pain or discomfort, 4) pain or discomfort in the arms or shoulder, and 5) shortness of breath.