


Cardiovascular - Heart Attack at the State, Health Region, and Health District Levels, 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
Central	*Region Total	156	102589	9.9	7.8 - 11.9	1091	938041	90.1	88.1 - 92.2
	Chesterfield	25	36014	12.7	7.0 - 18.3	154	248668	87.3	81.7 - 93.0
	Chickahominy	22	11988	10.1	5.2 - 14.9	154	107194	89.9	85.1 - 94.8
	Crater	28	15935	10.3	5.6 - 14.9	176	139076	89.7	85.1 - 94.4
	Henrico	---	---	---	---	174	182452	92.1	87.8 - 96.3
	Piedmont	---	---	---	---	141	88953	91.1	87.0 - 95.3
	Richmond City	---	---	---	---	144	91498	93.9	90.1 - 97.7
	Southside	23	8360	9.4	5.0 - 13.9	148	80200	90.6	86.1 - 95.0
	Eastern	*Region Total	162	111534	7.6	6.0 - 9.3	1535	1349977	92.4
Chesapeake		22	17860	12.0	5.5 - 18.4	183	131163	88.0	81.6 - 94.5
Eastern Shore		---	---	---	---	148	36453	92.9	89.1 - 96.7
Hampton		---	---	---	---	168	119543	90.1	83.8 - 96.4
Norfolk City		24	13909	7.6	3.7 - 11.5	196	168579	92.4	88.5 - 96.3
Peninsula		---	---	---	---	184	234339	92.0	87.3 - 96.6
Portsmouth		---	---	---	---	121	50009	93.3	88.6 - 98.0
Three Rivers		22	18081	9.0	3.8 - 14.2	200	183461	91.0	85.8 - 96.2

	Virginia Beach	---	---	---	---	168	295207	96.5	94.1 98.9
	Western Tidewater	---	---	---	---	167	131221	92.3	88.9 95.8
Northern	<b>*Region Total</b>	106	112701	7.7	5.7 - 9.7	1094	1348121	92.3	90.3 94.3
	Alexandria	---	---	---	---	137	85172	95.2	92.6 97.9
	Arlington	---	---	---	---	189	157083	96.9	94.6 99.2
	Fairfax	37	59385	8.2	4.8 - 11.5	397	667406	91.8	88.5 95.2
	Loudoun	---	---	---	---	167	159578	90.8	85.7 95.9
	Prince William	25	27916	9.1	4.8 - 13.4	204	278882	90.9	86.6 95.2
Northwestern	<b>*Region Total</b>	118	123940	13.8	10.6 - 17.0	746	772561	86.2	83.0 89.4
	Central Shenandoah	---	---	---	---	158	195425	84.9	76.7 93.0
	Lord Fairfax	---	---	---	---	137	163353	88.4	82.6 94.1
	Rappahannock	28	32930	15.2	8.5 - 21.9	154	183585	84.8	78.1 91.5
	Rappahannock/Rapidan	---	---	---	---	157	115919	92.5	88.3 96.7
	Thomas Jefferson	34	25260	18.1	10.3 - 25.9	140	114279	81.9	74.1 89.7
Southwestern	<b>*Region Total</b>	195	135807	10.5	8.6 - 12.3	1402	1160779	89.5	87.7 91.4
	Alleghany	39	25250	16.5	9.7 - 23.4	197	127419	83.5	76.6 90.3
	Central Virginia	25	27910	12.9	7.4 - 18.3	164	189123	87.1	81.7 92.6
	Cumberland Plateau	---	---	---	---	153	125044	94.9	91.8 98.1
	Lenowisco	---	---	---	---	147	83120	91.5	86.3 96.7
	Mount Rogers	22	24024	12.1	6.4 - 17.9	164	174050	87.9	82.1 93.6
	New River	27	14527	9.5	4.9 - 14.0	164	138963	90.5	86.0 95.1
	Pittsylvania/Danville	21	10833	8.8	4.6 - 13.0	166	112324	91.2	87.0 95.4

	Roanoke City	---	---	---	---	114	87476	90.8	83.5 - 98.1
	West Piedmont	---	---	---	---	133	123261	92.5	88.4 - 96.6

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.