

Asthma: Lifetime Diagnosis of Asthma

Ever told had asthma, Adults (18 years of age and older), Alaska BRFSS, 2009:
Standard (2009) and Supplemental (2009) Survey Instruments

Healthy Alaskans 2010 Objective:		24.2a: Reduce lifetime asthma prevalence (adults ever told by a doctor that they has asthma) to 8%.										
Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?										
Response:		Yes						Age-Adjusted Rate				
Population at Risk (See Appendix)	%	Observed Rate		n	N	#	%	95% CI				
		%	95% CI					Individuals	%	95% CI		
Total	13.1%	(	11.7% -	14.6%)	66,688	629	4,750	12.9%	(	11.5% -	14.4%)	
Demographics												
Gender												
Female	16.8%	(	14.8% -	19.1%)	41,145	409	2,605	16.5%	(	14.4% -	18.7%)	
Male	9.6%	(	7.9% -	11.7%)	25,543	220	2,145	9.6%	(	7.9% -	11.6%)	
Age Groups (Categories Used in Age-Adjustment)												
Persons aged 18 to 24 years	13%	(	9% -	19%)	9,444	43	276	3	NA	(	NA -	NA)
Persons aged 25 to 34 years	12.9%	(	9.5% -	17.1%)	13,123	86	672	3	NA	(	NA -	NA)
Persons aged 35 to 44 years	13.7%	(	10.9% -	17.0%)	13,121	122	847		NA	(	NA -	NA)
Persons aged 45 to 64 years	13.7%	(	11.8% -	15.9%)	24,893	294	2,145		NA	(	NA -	NA)
Persons aged 65 years and older	10.1%	(	7.3% -	13.8%)	5,301	74	751	3	NA	(	NA -	NA)
Race and Ethnicity												
American Indian or Alaska Native	11.8%	(	9.3% -	15.0%)	8,805	104	853	3	11.3%	(	8.8% -	14.3%)
Asian or Pacific Islander	11%	(	5% -	23%)	2,290	12	121	3	11%	(	4% -	24%)
Asian	5%	(	2% -	13%)	640	8	96	3	4%	(	1% -	9%)
Native Hawaiian or Other Pacific Islander	DSU	(	DSU -	DSU)	DSU	DSU	25	1	DSU	(	DSU -	DSU)
Black or African American	23%	(	11% -	42%)	2,384	13	64	3	17%	(	9% -	29%)
White	12.9%	(	11.3% -	14.6%)	49,143	458	3,479		12.8%	(	11.2% -	14.5%)
Hispanic or Latino	15%	(	9% -	25%)	2,958	19	130	3	14%	(	8% -	23%)
Not Hispanic or Latino	13.1%	(	11.7% -	14.6%)	63,424	606	4,569		12.9%	(	11.5% -	14.4%)
Black or African American, not Hispanic/Latino	DSU	(	DSU -	DSU)	DSU	DSU	29	1	DSU	(	DSU -	DSU)
White, not Hispanic or Latino	12.9%	(	11.3% -	14.7%)	46,981	443	3,340		12.7%	(	11.1% -	14.5%)

For table end notes see Appendix J on Pg 429.

Asthma: Lifetime Diagnosis of Asthma (continued)

Ever told had asthma, Adults (18 years of age and older), Alaska BRFSS, 2009:
Standard (2009) and Supplemental (2009) Survey Instruments

		Healthy Alaskans 2010 Objective:		24.2a: Reduce lifetime asthma prevalence (adults ever told by a doctor that they has asthma) to 8%.					
Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
		Response:			Yes			Age-Adjusted Rate	
Population at Risk (See Appendix)		%	Observed Rate 95% CI	Individuals	n	N	#	%	95% CI
Alaska Native									
Yes		13.4%	(10.6% - 16.7%)	11,211	119	935		13.0%	(10.2% - 16.5%)
No		13.0%	(11.4% - 14.7%)	54,493	499	3,757		12.8%	(11.3% - 14.5%)
Geographic Location									
Anchorage & Vicinity		13.4%	(11.2% - 16.0%)	36,711	146	994		13.3%	(11.1% - 15.9%)
Fairbanks & Vicinity		13.1%	(10.9% - 15.7%)	9,855	144	1,017		12.8%	(10.7% - 15.2%)
Gulf Coast		11.1%	(9.0% - 13.8%)	6,432	108	983		11.0%	(8.8% - 13.7%)
Rural		12.2%	(9.8% - 15.1%)	5,901	97	797		11.6%	(9.3% - 14.4%)
Southeast		14.3%	(11.8% - 17.3%)	7,788	134	959		14.3%	(11.7% - 17.4%)
Urban/Rural									
Metropolitan Statistical Area		13.5%	(11.6% - 15.7%)	45,735	279	1,927		13.3%	(11.5% - 15.5%)
Micropolitan Statistical Area & Urban Clusters		14.1%	(12.0% - 16.4%)	12,622	207	1,486		13.9%	(11.9% - 16.2%)
Rural		10.3%	(8.5% - 12.3%)	8,331	143	1,332		9.8%	(8.1% - 11.8%)
Education Level (persons aged 25 years and older)									
Less than high school		11%	(7% - 17%)	2,776	40	293	3	11%	(7% - 16%)
High school graduate		14.0%	(11.3% - 17.2%)	16,447	160	1,277		14.4%	(11.6% - 17.7%)
At least some college		13.5%	(11.0% - 16.4%)	17,263	175	1,330		13.4%	(10.9% - 16.3%)
College Graduate		12.5%	(10.3% - 15.0%)	20,538	210	1,565		11.9%	(9.8% - 14.3%)
Employment Status									
Employed		12.7%	(11.0% - 14.6%)	42,244	376	2,980		11.9%	(10.1% - 14.0%)
Unemployed		15%	(11% - 21%)	6,591	57	394	3	17%	(11% - 24%)
Not in Workforce (Student, Homemaker, Retired)		11.3%	(8.9% - 14.3%)	12,660	135	1,148	3	11.1%	(8.7% - 14.0%)
Unable to work		27%	(19% - 36%)	4,604	57	202		24%	(15% - 37%)

Asthma: Lifetime Diagnosis of Asthma (continued)

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Healthy Alaskans 2010 Objective:		24.2a: Reduce lifetime asthma prevalence (adults ever told by a doctor that they has asthma) to 8%.							
Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Response:		Yes					Age-Adjusted Rate		
Population at Risk (See Appendix)	%	Observed Rate		Individuals	n	N	#	Age-Adjusted Rate	
		95% CI						%	95% CI
Marital Status									
Married or Unwed Couple	12.3%	(	10.6% -	14.1%)	37,559	334	2,690	12.4%	(10.0% - 15.2%)
Divorced/Separated	16%	(	10% -	24%)	2,734	43	326	21%	(10% - 38%)
Widowed	17.8%	(	13.7% -	22.8%)	10,196	126	796	18.8%	(13.5% - 25.6%)
Never Married	10.5%	(	7.6% -	14.4%)	9,875	82	681	10.9%	(7.9% - 15.0%)
Income Level									
<\$15,000	20%	(	14% -	27%)	6,127	69	355	19%	(13% - 26%)
\$15,000 - \$24,999	14%	(	10% -	20%)	6,594	68	484	13%	(9% - 18%)
\$25,000 - \$49,999	12.3%	(	9.5% -	15.9%)	12,030	122	982	12.1%	(9.4% - 15.4%)
\$50,000 - \$74,999	11.1%	(	8.3% -	14.8%)	9,305	80	810	11.1%	(8.3% - 14.8%)
\$75,000	12.6%	(	10.5% -	15.2%)	23,417	212	1,549	11.4%	(9.3% - 13.8%)
Poverty Threshold									
Poor (<100% Poverty Threshold)	14%	(	10% -	20%)	5,028	54	321	13%	(9% - 18%)
Near Poor (100% to 199% Poverty Threshold)	14.9%	(	10.8% -	20.3%)	9,410	91	608	14.7%	(10.8% - 19.6%)
Middle/High Income (>=200% Poverty Threshold)	12.4%	(	10.9% -	14.2%)	42,950	406	3,251	12.0%	(10.4% - 13.8%)
Below Poverty Guidelines									
Yes	18%	(	13% -	24%)	9,138	80	434	17%	(12% - 23%)
No	12.3%	(	10.8% -	13.9%)	48,285	471	3,746	12.0%	(10.5% - 13.6%)
Veteran									
Yes	8.3%	(	5.9% -	11.6%)	7,526	77	819	8.4%	(5.4% - 12.9%)
No	14.1%	(12.6% -	15.8%)	58,906	549	3,916	13.9%	(12.4% - 15.6%)

Asthma: Lifetime Diagnosis of Asthma (continued)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?									
Response:		Yes					Age-Adjusted Rate				
Population at Risk (See Appendix)	%	Observed Rate		Individuals	n	N	#	Age-Adjusted Rate			
		%	95% CI					%	95% CI		
Health Status											
General Health											
Excellent to Very Good	10.2%	(	8.5% -	12.0%)	30,973	261	2,597	9.7%	(	8.2% -	11.5%)
Good	14.1%	(	11.6% -	17.1%)	20,613	204	1,460	14.0%	(	11.4% -	17.0%)
Fair/Poor	25.9%	(	21.4% -	31.1%)	14,430	161	665	25.3%	(	20.3% -	31.1%)
Healthy Days (Mean Number of Days)											
Physical Health Not Good	4.7	(	3.8 -	5.6)			606	4.6	(	3.7 -	5.4)
Mental Health Not Good	4.8	(	3.6 -	6.0)			604	4.6	(	3.5 -	5.6)
Unhealthy Days (Physical or Mental Health Not Good)	8.1	(	6.8 -	9.3)			609	7.8	(	6.6 -	9.0)
Days with Activity Limitation	3.8	(	3.0 -	4.6)			611	3.6	(	2.8 -	4.4)
Healthy Days (Percentage with 14 or More Days)											
Physical Health Not Good	22%	(	17% -	28%)	8,658	114	474	21%	(	15% -	27%)
Mental Health Not Good	28%	(	21% -	36%)	10,330	89	390	26%	(	20% -	33%)
Unhealthy Days (Physical or Mental Health Not Good)	23.6%	(	19.2% -	28.6%)	16,732	169	759	22.8%	(	18.5% -	27.8%)
Activity Limitation	32%	(	25% -	41%)	8,322	94	327	32%	(	23% -	41%)
Disability											
Disabled											
Yes	21.7%	(	18.3% -	25.6%)	23,908	251	1,179	21.1%	(	17.3% -	25.4%)
No	10.7%	(	9.3% -	12.3%)	42,090	370	3,494	10.5%	(	9.1% -	12.1%)
Activity Limitation											
Yes	22.2%	(18.5% -	26.3%)	23,002	240	1,105	21.3%	(17.5% -	25.8%)
No	10.7%	(9.3% -	12.3%)	42,830	380	3,576	10.6%	(9.2% -	12.2%)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Population at Risk (See Appendix)	Response:	Observed Rate			Yes			Age-Adjusted Rate	
		%	95% CI	Individuals	n	N	#	%	95% CI
Require Special Equipment									
	Yes	24%	(19% - 31%)	7,064	89	341		24%	(17% - 33%)
	No	12.5%	(11.1% - 14.1%)	59,523	538	4,372		12.2%	(10.8% - 13.8%)
Mental Health									
Social and Emotional Support									
	Always/Usually	14.6%	(12.3% - 17.2%)	55,090	247	1,748		14.3%	(12.0% - 16.8%)
	Sometimes/Rarely/Never	14.6%	(10.8% - 19.6%)	14,000	80	509	3	13.0%	(10.0% - 18.0%)
Life Satisfaction									
	Very Satisfied / Satisfied	14.5%	(12.4% - 16.8%)	65,982	312	2,172		14.1%	(12.1% - 16.4%)
	Dissatisfied / Very Dissatisfied	11%	(5% - 22%)	2,053	12	93	3	12%	(6% - 25%)
Healthcare									
Healthcare Coverage									
Health Plan									
	Yes	13.0%	(11.5% - 14.6%)	54,156	525	3,941		12.9%	(11.4% - 14.5%)
	No	13.3%	(10.0% - 17.6%)	11,759	99	780	3	10.9%	(8.3% - 14.2%)
Immunization									
Flu Shot Within Past 12 Months (Ages 65+)									
	Yes	16.2%	(12.8% - 20.3%)	30,834	146	918		16.4%	(12.9% - 20.7%)
	No	13.6%	(11.3% - 16.4%)	41,936	194	1,440		12.7%	(10.5% - 15.3%)
Ever Had Pneumonia Shot (Ages 65+)									
	Yes	26.6%	(21.4% - 32.6%)	27,050	137	601		30.6%	(24.3% - 37.7%)
	No	11.1%	(8.9% - 13.8%)	36,365	159	1,499	3	10.3%	(8.2% - 12.8%)

Asthma: Lifetime Diagnosis of Asthma (continued)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Population at Risk (See Appendix)	Response:	Observed Rate			Yes		Age-Adjusted Rate		
		%	95% CI	Individuals	n	N	#	%	95% CI
Screening									
AIDS/HIV Screening (Ages 18-64)									
	Yes	20.5%	(16.7% - 25.0%)	42,865	168	901		21.2%	(17.3% - 25.8%)
	No	10.1%	(7.9% - 12.7%)	20,696	111	938	3	9.1%	(7.2% - 11.5%)
Diagnoses									
Arthritis									
Arthritis									
	Yes	19.8%	(16.0% - 24.4%)	22,716	147	690		20.3%	(14.7% - 27.3%)
	No	13.2%	(10.8% - 15.9%)	49,569	190	1,648		12.2%	(10.1% - 14.7%)
Asthma									
Asthma Diagnosis									
	Yes	100.0%	(0.0% - 0.0%)	66,688	629	629		100.0%	(0.0% - 0.0%)
	No	0.0%	(0.0% - 0.0%)	0	0	4,121		0.0%	(0.0% - 0.0%)
Current Asthma									
	Yes	100%	(0% - 0%)	41,762	401	401		100%	(0% - 0%)
	No	100%	(0% - 0%)	22,575	201	201		100%	(0% - 0%)
Cardiovascular and Cerebrovascular Disease									
Cardiovascular Disease									
	Yes	19%	(13% - 26%)	3,743	51	247	3	25%	(12% - 45%)
	No	12.8%	(11.4% - 14.4%)	62,212	570	4,448		12.6%	(11.2% - 14.1%)
Heart Attack (Myocardial Infarction)									
	Yes	18%	(12% - 26%)	2,579	37	180	3	20%	(9% - 40%)
	No	12.9%	(11.6% - 14.5%)	63,911	591	4,551		12.7%	(11.3% - 14.3%)

Asthma: Lifetime Diagnosis of Asthma (continued)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?										
Response:		Yes					Age-Adjusted Rate					
Population at Risk (See Appendix)	%	Observed Rate		Individuals	n	N	#	Age-Adjusted Rate				
		95% CI						%	95% CI			
Coronary Heart Disease (Angina)												
Yes	17%	(	10% -	27%)	2,090	30	160	3	26%	(	8% -	59%)
No	13.0%	(	11.6% -	14.5%)	63,872	591	4,549		12.7%	(	11.3% -	14.2%)
Stroke												
Yes	22%	(	13% -	36%)	2,112	22	135	3	26%	(	14% -	43%)
No	12.9%	(	11.5% -	14.4%)	64,215	602	4,602		12.6%	(	11.2% -	14.1%)
Diabetes												
Nongestational Diabetes												
Yes	22%	(	16% -	30%)	6,741	69	350	3	21%	(	14% -	31%)
No	12.5%	(	11.1% -	14.0%)	59,681	557	4,391		12.1%	(	10.7% -	13.6%)
Pre-Diabetes												
Yes	18%	(	14% -	24%)	6,937	80	439	3	20%	(	14% -	27%)
No	12.0%	(	10.5% -	13.6%)	52,567	474	3,945		11.6%	(	10.2% -	13.1%)
Risk Factors												
Alcohol												
Binge Drinking												
Yes	17%	(	12% -	23%)	15,002	53	389	3	18%	(	12% -	25%)
No	14.1%	(	12.0% -	16.6%)	57,042	284	1,952		13.7%	(	11.6% -	16.1%)
Heavy Drinking												
Yes	18%	(11% -	29%)	5,498	22	159	3	17%	(10% -	28%)
No	14.2%	(12.2% -	16.6%)	65,192	311	2,158		13.8%	(11.8% -	16.1%)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Response:		Yes					Age-Adjusted Rate		
Population at Risk (See Appendix)	%	Observed Rate		Individuals	n	N	#	Age-Adjusted Rate	
		%	95% CI					%	95% CI
Hypercholesterolemia									
High Cholesterol									
Yes	16.4%	(	13.1% -	20.4%)	20,757	129	754	15.9%	(11.7% - 21.1%)
No	14.5%	(	11.5% -	18.2%)	34,199	143	1,092	14.4%	(11.3% - 18.3%)
Hypertension									
High Blood Pressure									
Yes	18.2%	(	14.3% -	23.0%)	24,385	123	776	23.2%	(17.3% - 30.5%)
No	13.0%	(	10.8% -	15.6%)	48,365	218	1,630	12.2%	(10.2% - 14.5%)
Nutrition									
Fruit and Vegetable Index									
<1 Per Day or Never	10%	(	4% -	21%)	3,090	14	142	3	11% (5% - 21%)
1 to <3 Times Per Day	12.2%	(	9.1% -	16.3%)	20,624	94	810	3	12.0% (8.9% - 15.8%)
3 to <5 Times Per Day	13.1%	(	10.3% -	16.5%)	22,862	122	832		12.7% (10.0% - 16.0%)
5 Or More Times Per Day	22.4%	(	17.3% -	28.5%)	25,694	106	542		21.9% (16.9% - 27.9%)
Physical Activity									
Physical Activity Recommendations (2008)									
Active	15.4%	(	12.8% -	18.4%)	53,500	218	1,532		14.8% (12.3% - 17.6%)
Insufficient	13%	(	10% -	18%)	10,268	57	423	3	13% (9% - 18%)
Inactive	13%	(	8% -	20%)	5,213	36	234	3	11% (7% - 17%)
Leisure Time Exercise									
Yes	13.0%	(11.5% -	14.7%)	53,049	470	3,735		12.7% (11.2% - 14.4%)
No	13.5%	(10.8% -	16.6%)	13,440	155	1,001		12.3% (9.8% - 15.4%)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Population at Risk (See Appendix)	Response:	Observed Rate			Yes			Age-Adjusted Rate	
		%	95% CI	Individuals	n	N	#	%	95% CI
Sexual Violence/Intimate Partner Violence									
Parents Physically Hurt by Spouse/Partner									
	Yes	22%	(17% - 30%)	18,966	79	427	3	21%	(16% - 27%)
	No	12.8%	(10.7% - 15.3%)	46,574	231	1,735		12.4%	(10.4% - 14.7%)
Unwanted Sexual Activity									
	Yes	21%	(15% - 27%)	13,068	73	338		22%	(16% - 28%)
	No	13.6%	(11.4% - 16.2%)	52,966	235	1,830		13.3%	(11.1% - 15.9%)
Ever Hurt or Threatened by Intimate Partner									
	Yes	23.8%	(18.3% - 30.3%)	22,954	109	509		23.3%	(17.7% - 30.0%)
	No	12.1%	(10.0% - 14.5%)	42,922	202	1,666		11.9%	(9.9% - 14.3%)
Past 5 Years Feared for Safety or Physically Hurt by Intimate Partner									
	Yes	29%	(17% - 45%)	7,706	28	121		25%	(16% - 38%)
	No	13.7%	(11.7% - 16.0%)	58,205	283	2,057		13.4%	(11.4% - 15.7%)
Tobacco Use									
Cigarette Smoking Status									
	Current Smoker	16.4%	(13.0% - 20.4%)	15,513	138	944		16.0%	(12.6% - 20.1%)
	Former Smoker	13.2%	(10.9% - 16.0%)	18,506	200	1,472		13.1%	(10.7% - 16.0%)
	Never Smoked	11.7%	(9.9% - 13.8%)	31,622	283	2,291		11.7%	(9.9% - 13.7%)
Smokeless Tobacco Status									
	Current User	17%	(10% - 27%)	3,744	28	215	3	15%	(9% - 22%)
	Former User	11.3%	(8.5% - 14.9%)	10,146	99	724	3	10.8%	(8.2% - 14.0%)
	Never Used	13.2%	(11.7% - 15.0%)	49,519	475	3,606		13.0%	(11.5% - 14.8%)

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Screening Question:		Have you ever been told by a doctor or other health professional that you had asthma?							
Response:		Observed Rate			Yes			Age-Adjusted Rate	
Population at Risk (See Appendix)		%	95% CI	Individuals	n	N	#	%	95% CI
Weight Status									
Weight Status									
Normal (BMI <25)	10.1%	(	8.2% -	12.5%)	17,324	175	1,489	10.2%	(8.3% - 12.4%)
Overweight (BMI 25 to 30)	12.2%	(	10.0% -	14.9%)	23,282	191	1,730	12.5%	(10.1% - 15.4%)
Obese (BMI ≥30)	17.9%	(	15.1% -	21.2%)	22,854	225	1,325	17.9%	(14.7% - 21.7%)
Obese I (BMI 30 TO < 35)	15.9%	(	12.7% -	19.7%)	12,760	130	854	17.2%	(13.1% - 22.2%)
Obese II & III (BMI ≥35)	21%	(	16% -	28%)	9,864	95	471	21%	(16% - 27%)