

Supplementary Material 2 - Survey results

Table 1

Asthmatic, Non-Asthmatic, and General Population proportions

	Asthmatic	Non-Asthmatic	GenPop
Total	313 100.00%	785 100.00%	1098 100.00%

**Table 2**

What is your gender?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Male</b>	143 45.70%	400 51.00%	543 49.50%
<b>Female</b>	170 54.30%	385 49.00%	555 50.50%
<b>Other</b>	- -	- -	- -
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 3**

What is your age?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>18-24 (21)</b>	42 13.40%	114 14.50%	156 14.20%
<b>25-34 (29.5)</b>	69 22.00%	170 21.70%	239 21.80%
<b>35-44 (39.5)</b>	75 24.00%	181 23.10%	256 23.30%
<b>45-54 (49.5)</b>	75 24.00%	166 21.10%	241 21.90%
<b>55-65 (60)</b>	52 16.60%	154 19.60%	206 18.80%
<b>65 (65)</b>	- -	- -	- -
<b>Mean</b>	40.62	40.78	40.74
<b>Standard Deviation</b>	12.69	13.17	13.03
<b>Standard Error</b>	0.72	0.47	0.39
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 4**

**AUSTRALIA Region.**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Australian Capital Territory</b>	6 1.90%	14 1.80%	20 1.80%
<b>New South Wales</b>	98 31.30%	262 33.40%	360 32.80%
<b>Northern Territory</b>	2 0.60%	5 0.60%	7 0.60%
<b>Queensland</b>	66 21.10%	151 19.20%	217 19.80%
<b>South Australia</b>	25 8.00%	60 7.60%	85 7.70%
<b>Tasmania</b>	7 2.20%	18 2.30%	25 2.30%
<b>Victoria</b>	77 24.60%	201 25.60%	278 25.30%
<b>Western Australia</b>	32 10.20%	74 9.40%	106 9.70%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

Table 5

Q1. Which fragranced products are you exposed to, at least once a week, from your own use?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Air fresheners and deodorizers (e.g., sprays, solids, oils, disks)</b>	220 70.30%	513 65.40%	733 66.80%
<b>Personal care products (e.g., soaps, hand sanitizer, lotions, deodorant, sunscreen, shampoos)</b>	293 93.60%	713 90.80%	1006 91.60%
<b>Cleaning supplies (e.g., all-purpose cleaners, disinfectants, and dishwashing soap)</b>	263 84.00%	650 82.80%	913 83.20%
<b>Laundry products (e.g., detergents, fabric softeners, dryer sheets)</b>	273 87.20%	653 83.20%	926 84.30%
<b>Household products (e.g., scented candles, toilet paper, trash bags, baby products)</b>	247 78.90%	600 76.40%	847 77.10%
<b>Fragrance (e.g., perfume, cologne, after-shave)</b>	223 71.20%	541 68.90%	764 69.60%
<b>Other</b>	5 1.60%	20 2.50%	25 2.30%
<b>None</b>	3 1.00%	19 2.40%	22 2.00%
<b>SUM</b>	1527 487.90%	3709 472.50%	5236 476.90%

Table 6

Q1a. Which fragranced products are you exposed to, at least once a week, from others' use?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Air fresheners and deodorizers (e.g., sprays, solids, oils, disks)</b>	174 55.60%	384 48.90%	558 50.80%
<b>Personal care products (e.g., soaps, hand sanitizer, lotions, deodorant, sunscreen, shampoos)</b>	206 65.80%	469 59.70%	675 61.50%
<b>Cleaning supplies (e.g., all-purpose cleaners, disinfectants, and dishwashing soap)</b>	169 54.00%	388 49.40%	557 50.70%
<b>Laundry products (e.g., detergents, fabric softeners, dryer sheets)</b>	140 44.70%	346 44.10%	486 44.30%
<b>Household products (e.g., scented candles, toilet paper, trash bags, baby products)</b>	162 51.80%	383 48.80%	545 49.60%
<b>Fragrance (e.g., perfume, cologne, after-shave)</b>	237 75.70%	507 64.60%	744 67.80%
<b>Other</b>	6 1.90%	14 1.80%	20 1.80%
<b>None</b>	24 7.70%	107 13.60%	131 11.90%
<b>SUM</b>	1118 357.20%	2598 331.00%	3716 338.40%

**Table 7**

**Q2. Do you experience any health problems when exposed to air fresheners or deodorizers?**

	<b>Asthmatic</b>	<b>Non-Asthmatic</b>	<b>GenPop</b>
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	106 33.90%	74 9.40%	180 16.40%
<b>No</b>	164 52.40%	596 75.90%	760 69.20%
<b>Don't know/not sure</b>	43 13.70%	114 14.50%	157 14.30%
<b>Decline to answer</b>	- -	1 0.10%	1 0.10%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 8**

**BA. Which of the following health problems do you experience?**

Base: Respondents who experienced below health problems when exposed to air fresheners or deodorizers

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	106	74	180
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	31	15	46
	29.20%	20.30%	25.60%
<b>Asthma attacks</b>	44	5	49
	41.50%	6.80%	27.20%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	18	6	24
	17.00%	8.10%	13.30%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	65	35	100
	61.30%	47.30%	55.60%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	29	24	53
	27.40%	32.40%	29.40%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	14	7	21
	13.20%	9.50%	11.70%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	43	25	68
	40.60%	33.80%	37.80%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	13	7	20
	12.30%	9.50%	11.10%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	12	4	16
	11.30%	5.40%	8.90%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	13	8	21
	12.30%	10.80%	11.70%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	11	7	18
	10.40%	9.50%	10.00%
<b>Other</b>	-	6	6
	-	8.10%	3.30%
<b>SUM</b>	293	149	442
	276.40%	201.40%	245.60%



**Table 9**

**Q3. Do you experience any health problems from the scent of laundry products coming from a dryer vent?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	38 12.10%	29 3.70%	67 6.10%
<b>No</b>	231 73.80%	678 86.40%	909 82.80%
<b>Don't know/not sure</b>	44 14.10%	76 9.70%	120 10.90%
<b>Decline to answer</b>	-	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 10**

**BA. Which of the following health problems do you experience?**

Base: Respondents who experienced below health problems from the scent of laundry products coming from a dryer vent

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	38	29	67
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	7	7	14
	18.40%	24.10%	20.90%
<b>Asthma attacks</b>	14	1	15
	36.80%	3.40%	22.40%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	8	-	8
	21.10%	-	11.90%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	16	12	28
	42.10%	41.40%	41.80%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	15	8	23
	39.50%	27.60%	34.30%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	8	3	11
	21.10%	10.30%	16.40%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	13	4	17
	34.20%	13.80%	25.40%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	16	4	20
	42.10%	13.80%	29.90%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	10	3	13
	26.30%	10.30%	19.40%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	13	2	15
	34.20%	6.90%	22.40%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	9	1	10
	23.70%	3.40%	14.90%
<b>Other</b>	-	2	2
	-	6.90%	3.00%
<b>SUM</b>	129	47	176
	339.50%	162.10%	262.70%

**Table 11**

**Q4. Do you experience any health problems from being in a room after it has been cleaned with scented products?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	96 30.70%	72 9.20%	168 15.30%
<b>No</b>	192 61.30%	625 79.60%	817 74.40%
<b>Don't know/not sure</b>	25 8.00%	85 10.80%	110 10.00%
<b>Decline to answer</b>	-	3 0.40%	3 0.30%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 12**

**BA. Which of the following health problems do you experience?**

**Base: Respondents who experienced below health problems from being in a room after it has been cleaned with scented products**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	96	72	168
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	22	16	38
	22.90%	22.20%	22.60%
<b>Asthma attacks</b>	26	1	27
	27.10%	1.40%	16.10%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	13	4	17
	13.50%	5.60%	10.10%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	52	30	82
	54.20%	41.70%	48.80%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	16	15	31
	16.70%	20.80%	18.50%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	13	7	20
	13.50%	9.70%	11.90%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	41	25	66
	42.70%	34.70%	39.30%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	13	5	18
	13.50%	6.90%	10.70%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	13	3	16
	13.50%	4.20%	9.50%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	12	2	14
	12.50%	2.80%	8.30%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	8	3	11
	8.30%	4.20%	6.50%
<b>Other</b>	2	5	7
	2.10%	6.90%	4.20%
<b>SUM</b>	231	116	347
	240.60%	161.10%	206.50%

**Table 13**

**Q5. Do you experience any health problems from being near someone who is wearing a fragranced product?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	113 36.10%	100 12.70%	213 19.40%
<b>No</b>	171 54.60%	622 79.20%	793 72.20%
<b>Don't know/not sure</b>	28 8.90%	62 7.90%	90 8.20%
<b>Decline to answer</b>	1 0.30%	1 0.10%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 14**

**BA. Which of the following health problems do you experience?**

**Base: Respondents who experienced below health problems from being near someone who is wearing a fragranced product**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	113	100	213
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	23	31	54
	20.40%	31.00%	25.40%
<b>Asthma attacks</b>	33	4	37
	29.20%	4.00%	17.40%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	15	11	26
	13.30%	11.00%	12.20%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	57	34	91
	50.40%	34.00%	42.70%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	13	6	19
	11.50%	6.00%	8.90%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	11	6	17
	9.70%	6.00%	8.00%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	49	38	87
	43.40%	38.00%	40.80%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	12	2	14
	10.60%	2.00%	6.60%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	7	9	16
	6.20%	9.00%	7.50%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	9	4	13
	8.00%	4.00%	6.10%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	11	2	13
	9.70%	2.00%	6.10%
<b>Other</b>	2	7	9
	1.80%	7.00%	4.20%
<b>SUM</b>	242	154	396
	214.20%	154.00%	185.90%

**Table 15**

**Q6. In general, do you experience any health problems from exposure to any type of fragranced product?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	124 39.60%	99 12.60%	223 20.30%
<b>No</b>	163 52.10%	615 78.30%	778 70.90%
<b>Don't know/not sure</b>	26 8.30%	70 8.90%	96 8.70%
<b>Decline to answer</b>	- -	1 0.10%	1 0.10%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 16**

**BA. Which of the following health problems do you experience?**

**Base: Respondents who experienced below health problems from exposure to any type of fragranced product**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	124	99	223
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	27	24	51
	21.80%	24.20%	22.90%
<b>Asthma attacks</b>	39	1	40
	31.50%	1.00%	17.90%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	14	8	22
	11.30%	8.10%	9.90%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	72	38	110
	58.10%	38.40%	49.30%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	30	24	54
	24.20%	24.20%	24.20%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	11	8	19
	8.90%	8.10%	8.50%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	48	35	83
	38.70%	35.40%	37.20%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	9	4	13
	7.30%	4.00%	5.80%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	8	6	14
	6.50%	6.10%	6.30%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	10	3	13
	8.10%	3.00%	5.80%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	9	2	11
	7.30%	2.00%	4.90%
<b>Other</b>	3	5	8
	2.40%	5.10%	3.60%
<b>SUM</b>	280	158	438
	225.80%	159.60%	196.40%



**Table 17**

**B2. Do any of these health problems mean a total or partial loss of bodily or mental functions, for you personally?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	174 100.00%	188 100.00%	362 100.00%
<b>Yes</b>	47 27.00%	15 8.00%	62 17.10%
<b>No</b>	113 64.90%	156 83.00%	269 74.30%
<b>Don't know/not sure</b>	14 8.00%	17 9.00%	31 8.60%
<b>Decline to answer</b>	-	-	-
<b>SUM</b>	174 100.00%	188 100.00%	362 100.00%

**Table 18**

**Q9. Has a doctor or health care professional ever told you that you have asthma or an asthma-like condition?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes - asthma</b>	176 56.20%	-	176 16.00%
<b>Yes - asthma-like condition</b>	151 48.20%	-	151 13.80%
<b>No</b>	-	740 94.30%	740 67.40%
<b>Don't know/not sure</b>	-	43 5.50%	43 3.90%
<b>Decline to answer</b>	-	2 0.30%	2 0.20%
<b>SUM</b>	327 104.50%	785 100.00%	1112 101.30%

**Table 19**

Have you ever been unable or reluctant to use the toilets in a public place, because of the presence of an air freshener, deodorizer, or scented product?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	67 21.40%	60 7.60%	127 11.60%
<b>No</b>	235 75.10%	685 87.30%	920 83.80%
<b>Neutral/not sure</b>	11 3.50%	38 4.80%	49 4.50%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 20**

If you enter a business, and you smell air fresheners or some fragranced product, do you want to leave as quickly as possible?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	97 31.00%	86 11.00%	183 16.70%
<b>No</b>	167 53.40%	606 77.20%	773 70.40%
<b>Neutral/not sure</b>	49 15.70%	92 11.70%	141 12.80%
<b>Decline to answer</b>	-	1 0.10%	1 0.10%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 21**

Have you ever been unable or reluctant to wash your hands with soap in a public place, because you know or suspect that the soap is fragranced?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	65 20.80%	48 6.10%	113 10.30%
<b>No</b>	232 74.10%	679 86.50%	911 83.00%
<b>Neutral/not sure</b>	16 5.10%	56 7.10%	72 6.60%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 22**

Are you aware that a “fragrance” in a product is typically a chemical mixture of several dozen to several hundred chemicals, mostly synthetic and derived from natural sources?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	154 49.20%	292 37.20%	446 40.60%
<b>No</b>	132 42.20%	386 49.20%	518 47.20%
<b>Don't know/not sure</b>	27 8.60%	105 13.40%	132 12.00%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 23**

Are you aware that fragrance chemicals do not need to be fully disclosed on the product label or material safety data sheet?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	71 22.70%	126 16.10%	197 17.90%
<b>No</b>	210 67.10%	543 69.20%	753 68.60%
<b>Don't know/not sure</b>	32 10.20%	113 14.40%	145 13.20%
<b>Decline to answer</b>	-	3 0.40%	3 0.30%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 24**

Are you aware that fragranced products typically emit hazardous air pollutants such as formaldehyde?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	81 25.90%	122 15.50%	203 18.50%
<b>No</b>	207 66.10%	550 70.10%	757 68.90%
<b>Don't know/not sure</b>	24 7.70%	110 14.00%	134 12.20%
<b>Decline to answer</b>	1 0.30%	3 0.40%	4 0.40%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%



**Table 25**

Are you aware that even so-called natural, green, and organic fragranced products typically emit hazardous air pollutants?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	68 21.70%	96 12.20%	164 14.90%
<b>No</b>	220 70.30%	589 75.00%	809 73.70%
<b>Don't know/not sure</b>	24 7.70%	97 12.40%	121 11.00%
<b>Decline to answer</b>	1 0.30%	3 0.40%	4 0.40%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 26**

**If you knew that a fragranced product emitted hazardous air pollutants, would you still use it?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	47 15.00%	97 12.40%	144 13.10%
<b>No</b>	188 60.10%	430 54.80%	618 56.30%
<b>Don't know/not sure</b>	78 24.90%	256 32.60%	334 30.40%
<b>Decline to answer</b>	-	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 27**

Have you ever been prevented from going to some place because you would be exposed to a fragrance product that would make you sick?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	100 31.90%	65 8.30%	165 15.00%
<b>No</b>	188 60.10%	644 82.00%	832 75.80%
<b>Don't know/not sure</b>	25 8.00%	74 9.40%	99 9.00%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 28**

Has any exposure to fragranced products in your work environment caused you to become sick, lose work days, or lose a job?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	57 18.20%	28 3.60%	85 7.70%
<b>No</b>	233 74.40%	696 88.70%	929 84.60%
<b>Don't know/not sure</b>	23 7.30%	58 7.40%	81 7.40%
<b>Decline to answer</b>	-	3 0.40%	3 0.30%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 29**

**Would you be supportive of a fragrance-free policy in the workplace?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	158 50.50%	312 39.70%	470 42.80%
<b>No</b>	58 18.50%	186 23.70%	244 22.20%
<b>Neutral/not sure</b>	97 31.00%	284 36.20%	381 34.70%
<b>Decline to answer</b>	- -	3 0.40%	3 0.30%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 30**

**Would you prefer that health care facilities and health care professionals be fragrance-free?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Yes</b>	157 50.20%	317 40.40%	474 43.20%
<b>No</b>	78 24.90%	199 25.40%	277 25.20%
<b>Neutral/not sure</b>	77 24.60%	265 33.80%	342 31.10%
<b>Decline to answer</b>	1 0.30%	4 0.50%	5 0.50%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 31**

**Flying On An Airplane That Pumped / Did Not Pump Scented Air Throughout The Passenger Cabin, Which Would You Choose?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Airplane with scented air</b>	58 18.50%	121 15.40%	179 16.30%
<b>Airplane without scented air</b>	196 62.60%	438 55.80%	634 57.70%
<b>Neutral/not sure</b>	59 18.80%	224 28.50%	283 25.80%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 32**

**Staying In A Hotel With / Without Fragranced Air, Which Would You Choose?**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Hotel with fragranced air</b>	73 23.30%	176 22.40%	249 22.70%
<b>Hotel without fragranced air</b>	188 60.10%	422 53.80%	610 55.60%
<b>Neutral/not sure</b>	52 16.60%	185 23.60%	237 21.60%
<b>Decline to answer</b>	- -	2 0.30%	2 0.20%
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%



**Table 33**

What is your household annual income?

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313 100.00%	785 100.00%	1098 100.00%
<b>Less than \$10,000 (10)</b>	12 3.80%	30 3.80%	42 3.80%
<b>\$10,000 - \$49,999 (29.99)</b>	81 25.90%	156 19.90%	237 21.60%
<b>\$50,000 - \$99,999 (74.99)</b>	97 31.00%	278 35.40%	375 34.20%
<b>\$100,000-\$149,999 (124.99)</b>	54 17.30%	152 19.40%	206 18.80%
<b>\$150,000-\$200,000 (175)</b>	21 6.70%	60 7.60%	81 7.40%
<b>Over \$200,000 (200)</b>	13 4.20%	24 3.10%	37 3.40%
<b>Decline to answer</b>	35 11.20%	85 10.80%	120 10.90%
<b>Mean (In Thousands)</b>	82.19	85.89	84.84
<b>Standard Deviation</b>	51.98	49.53	50.24
<b>Standard Error</b>	3.12	1.87	1.61
<b>SUM</b>	313 100.00%	785 100.00%	1098 100.00%

**Table 34**

**Q1. Who Answer "Yes" To One Or More Of These Options For Q1.**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313	785	1098
	100.00%	100.00%	100.00%
<b>Yes (Net)</b>	310	766	1076
	99.00%	97.60%	98.00%
Air fresheners and deodorizers (e.g., sprays, solids, oils, disks)	220	513	733
	70.30%	65.40%	66.80%
Personal care products (e.g., soaps, hand sanitizer, lotions, deodorant, sunscreen, shampoos)	293	713	1006
	93.60%	90.80%	91.60%
Cleaning supplies (e.g., all-purpose cleaners, disinfectants, and dishwashing soap)	263	650	913
	84.00%	82.80%	83.20%
Laundry products (e.g., detergents, fabric softeners, dryer sheets)	273	653	926
	87.20%	83.20%	84.30%
Household products (e.g., scented candles, toilet paper, trash bags, baby products)	247	600	847
	78.90%	76.40%	77.10%
Fragrance (e.g., perfume, cologne, after-shave)	223	541	764
	71.20%	68.90%	69.60%
Other	5	20	25
	1.60%	2.50%	2.30%
<b>None</b>	3	19	22
	1.00%	2.40%	2.00%
<b>SUM</b>	1527	3709	5236
	487.90%	472.50%	476.90%

**Table 35**

**Q1a. Who Answer "Yes" To One Or More Of These Options For Q1A.**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313	785	1098
	100.00%	100.00%	100.00%
<b>Yes (Net)</b>	289	678	967
	92.30%	86.40%	88.10%
Air fresheners and deodorizers (e.g., sprays, solids, oils, disks)	174	384	558
	55.60%	48.90%	50.80%
Personal care products (e.g., soaps, hand sanitizer, lotions, deodorant, sunscreen, shampoos)	206	469	675
	65.80%	59.70%	61.50%
Cleaning supplies (e.g., all-purpose cleaners, disinfectants, and dishwashing soap)	169	388	557
	54.00%	49.40%	50.70%
Laundry products (e.g., detergents, fabric softeners, dryer sheets)	140	346	486
	44.70%	44.10%	44.30%
Household products (e.g., scented candles, toilet paper, trash bags, baby products)	162	383	545
	51.80%	48.80%	49.60%
Fragrance (e.g., perfume, cologne, after-shave)	237	507	744
	75.70%	64.60%	67.80%
Other	6	14	20
	1.90%	1.80%	1.80%
<b>None</b>	24	107	131
	7.70%	13.60%	11.90%
<b>SUM</b>	1118	2598	3716
	357.20%	331.00%	338.40%

**Table 36**

**Q1/Q1a. Who Answer "Yes" To One Or More Of These Options For Q1/Q1A (own use, other's use).**

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313	785	1098
	100.00%	100.00%	100.00%
<b>Yes (Net)</b>	312	770	1082
	99.70%	98.10%	98.50%
Air fresheners and deodorizers (e.g., sprays, solids, oils, disks)	250	576	826
	79.90%	73.40%	75.20%
Personal care products (e.g., soaps, hand sanitizer, lotions, deodorant, sunscreen, shampoos)	302	730	1032
	96.50%	93.00%	94.00%
Cleaning supplies (e.g., all-purpose cleaners, disinfectants, and dishwashing soap)	280	684	964
	89.50%	87.10%	87.80%
Laundry products (e.g., detergents, fabric softeners, dryer sheets)	286	695	981
	91.40%	88.50%	89.30%
Household products (e.g., scented candles, toilet paper, trash bags, baby products)	265	635	900
	84.70%	80.90%	82.00%
Fragrance (e.g., perfume, cologne, after-shave)	275	628	903
	87.90%	80.00%	82.20%
Other	8	26	34
	2.60%	3.30%	3.10%
<b>None</b>	26	111	137
	8.30%	14.10%	12.50%
<b>SUM</b>	1692	4085	5777
	540.60%	520.40%	526.10%

**Table 37**

**Q2/Q3/Q4/Q5/Q6. People Who Answer "Yes" To One Or More Of These Questions: Q2/Q3/Q4/Q5/Q6 (fragrance sensitive group).**

	Asthmatic	Non-Asthmatic	GenPop
Total	313 100.00%	785 100.00%	1098 100.00%
Yes	174 55.60%	188 23.90%	362 33.00%

Table 38

BA-Q2/Q3/Q4/Q5/Q6. People who answer "Yes" to each type of health problem under BA for each of these questions Q2/Q3/Q4/Q5/Q6.

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313	785	1098
	100.00%	100.00%	100.00%
<b>Migraine headaches</b>	53	57	110
	16.90%	7.30%	10.00%
<b>Asthma attacks</b>	75	8	83
	24.00%	1.00%	7.60%
<b>Neurological problems (e.g., dizziness, seizures, head pain, fainting, loss of coordination)</b>	28	21	49
	8.90%	2.70%	4.50%
<b>Respiratory problems (e.g., difficulty breathing, coughing, shortness of breath)</b>	106	77	183
	33.90%	9.80%	16.70%
<b>Skin problems (e.g., rashes, hives, red skin, tingling skin, dermatitis)</b>	52	52	104
	16.60%	6.60%	9.50%
<b>Cognitive problems (e.g., difficulties thinking, concentrating, or remembering)</b>	27	18	45
	8.60%	2.30%	4.10%
<b>Mucosal symptoms (e.g., watery or red eyes, nasal congestion, sneezing)</b>	83	71	154
	26.50%	9.00%	14.00%
<b>Immune system problems (e.g., swollen lymph glands, fever, fatigue)</b>	24	12	36
	7.70%	1.50%	3.30%
<b>Gastrointestinal problems (e.g., nausea, bloating, cramping, diarrhea)</b>	21	15	36
	6.70%	1.90%	3.30%
<b>Cardiovascular problems (e.g., fast or irregular heartbeat, jitteriness, chest discomfort)</b>	21	12	33
	6.70%	1.50%	3.00%
<b>Musculoskeletal problems (e.g., muscle or joint pain, cramps, weakness)</b>	18	11	29
	5.80%	1.40%	2.60%
<b>Other</b>	5	16	21
	1.60%	2.00%	1.90%

**Table 39**

Demographics.

	Asthmatic	Non-Asthmatic	GenPop
<b>Total</b>	313	785	1098
	100.00%	100.00%	100.00%
<b>Male/Female</b>			
<b>All Males</b>	143	400	543
	45.70%	51.00%	49.50%
<b>All Females</b>	170	385	555
	54.30%	49.00%	50.50%
<b>Gender vs Age</b>			
<b>Male 18-24</b>	16	54	70
	5.10%	6.90%	6.40%
<b>Male 25-34</b>	34	75	109
	10.90%	9.60%	9.90%
<b>Male 35-44</b>	33	86	119
	10.50%	11.00%	10.80%
<b>Male 45-54</b>	34	92	126
	10.90%	11.70%	11.50%
<b>Male 55-65</b>	26	93	119
	8.30%	11.80%	10.80%
<b>Female 18-24</b>	26	60	86
	8.30%	7.60%	7.80%
<b>Female 25-34</b>	35	95	130
	11.20%	12.10%	11.80%
<b>Female 35-44</b>	42	95	137
	13.40%	12.10%	12.50%
<b>Female 45-54</b>	41	74	115
	13.10%	9.40%	10.50%
<b>Female 55-65</b>	26	61	87
	8.30%	7.80%	7.90%