

Table B-1. Significant negative associations between pairs of hazards (ordered from strongest to weakest associations, as defined by upper bound for the odds ratio)

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Chemical smell or odor scented products (A)*	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	23%	16%	19%	23%	20%	24%	0.8	(0.7,1.0)	0.010
Odor scented products†	Plumbing leaks †(H,A)	28,271	19%	6%	6%	8%	15%	20%	0.7	(0.5,0.9)	0.017
Chemical smell or odor scented products (A)*	Significant clutter (H)	28,218	23%	11%	15%	19%	19%	24%	0.7	(0.6,0.9)	<.001
Odor scented products†	Chemical smell†	5,327	19%	4%	2%	4%	12%	20%	0.5	(0.3,0.8)	0.004
Odor scented products†	Improperly stored garbage/rubbish in or near building (H,A)	28,353	19%	5%	6%	9%	13%	20%	0.6	(0.5,0.8)	<.001
Chemical smell or odor scented products (A)*	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	23%	11%	10%	14%	17%	24%	0.6	(0.5,0.8)	<.001
Odor scented products†	Significant dust accumulation †	28,234	19%	10%	10%	16%	13%	20%	0.6	(0.5,0.7)	<.001
Chemical smell or odor scented products (A)*	Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	26,825	23%	27%	25%	36%	17%	26%	0.6	(0.5,0.7)	<.001
Odor scented products†	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	19%	16%	15%	24%	13%	21%	0.6	(0.5,0.7)	<.001
Odor scented products†	Rats (evidence or report)†	28,407	19%	2%	1%	3%	8%	20%	0.3	(0.2,0.6)	<.001
Chemical smell or odor scented products (A)*	Rats (evidence or report)†	28,407	23%	2%	1%	3%	10%	23%	0.4	(0.2,0.6)	<.001
Odor scented products†	Ineffective cleaning †	27,930	19%	12%	10%	18%	12%	21%	0.5	(0.4,0.6)	<.001
Odor scented products†	Improperly stored garbage/rubbish in the home (H,A)	28,170	19%	3%	3%	6%	9%	20%	0.4	(0.3,0.6)	<.001
Odor scented products†	Significant clutter (H)	28,218	19%	11%	11%	20%	11%	21%	0.5	(0.4,0.6)	<.001
Odor scented products†	Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	26,825	19%	27%	22%	37%	13%	23%	0.5	(0.4,0.6)	<.001
Chemical smell or odor scented products (A)*	Mice (evidence or report)†	28,379	23%	12%	9%	19%	13%	25%	0.4	(0.4,0.5)	<.001
Chemical smell or odor scented products (A)*	Rodents (evidence or report of rats or mice) (H,A)*	28,365	23%	14%	10%	20%	13%	25%	0.4	(0.4,0.5)	<.001
Odor scented products†	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	19%	11%	6%	15%	9%	21%	0.4	(0.3,0.5)	<.001
Chemical smell or odor scented products (A)*	Cockroaches (evidence or report)	28,417	23%	8%	6%	13%	11%	25%	0.4	(0.3,0.5)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Odor scented products†	Mice (evidence or report)†	28,379	19%	12%	7%	19%	9%	22%	0.4	(0.3,0.4)	<.001
Odor scented products†	Rodents (evidence or report of rats or mice) (H,A)*	28,365	19%	14%	8%	20%	9%	22%	0.3	(0.3,0.4)	<.001
Odor scented products†	Cockroaches (evidence or report)	28,417	19%	8%	5%	13%	8%	21%	0.3	(0.2,0.4)	<.001

* = Combined hazard, † = Constituent of a combined hazard

H=hazard included in the home hazard score, A = hazard included in the asthma trigger score

Table B-2: Significant positive associations between pairs of hazards (ordered from strongest to weakest associations, as defined by lower bound for the odds ratio)

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Smoke detector(s) not audible from sleeping spaces †	Lacks smoke detector on every floor †	28,190	31%	29%	83%	4%	90%	7%	108.6	(99.3,118.7)	<.001
Ineffective cleaning †	Improperly stored garbage/rubbish in the home (H,A)	28,170	12%	3%	23%	1%	83%	10%	45.4	(38.1,54.1)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Improperly stored garbage/rubbish in the home (H,A)	28,170	16%	3%	18%	1%	85%	14%	35.3	(29.4,42.3)	<.001
Improperly stored garbage/rubbish in or near building (H,A)	Improperly stored garbage/rubbish in the home (H,A)	28,170	5%	3%	35%	2%	54%	3%	32.4	(28.1,37.4)	<.001
Ineffective cleaning †	Significant clutter (H)	28,218	12%	11%	57%	4%	66%	6%	30.7	(28.0,33.6)	<.001
Improperly stored garbage/rubbish in the home (H,A)	Significant clutter (H)	28,218	3%	11%	73%	9%	23%	1%	29.2	(25.1,33.9)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Significant clutter (H)	28,218	16%	11%	46%	4%	70%	10%	21.7	(19.8,23.7)	<.001
Ineffective cleaning †	Significant dust accumulation †	28,234	12%	10%	50%	5%	60%	7%	20.7	(19.0,22.7)	<.001
Significant dust accumulation †	Improperly stored garbage/rubbish in the home (H,A)	28,170	10%	3%	21%	1%	62%	8%	18.3	(15.9,21.0)	<.001
Significant dust accumulation †	Significant clutter (H)	28,218	10%	11%	49%	7%	45%	6%	13.5	(12.4,14.8)	<.001
Plumbing leaks †(H,A)	Roofing or structural leaks (H,A)†	28,044	6%	6%	34%	4%	32%	4%	11.9	(10.5,13.4)	<.001
Roofing, structural or plumbing leaks (A)*	Mold or mildew (H,A)	28,107	10%	9%	41%	6%	42%	6%	11.0	(10.0,12.0)	<.001
Mold or mildew (H,A)	Plumbing leaks †(H,A)	28,271	9%	6%	27%	3%	46%	7%	11.0	(9.9,12.3)	<.001
Roofing or structural leaks (H,A)†	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	6%	11%	48%	8%	27%	3%	10.5	(9.4,11.6)	<.001
Roofing, structural or plumbing leaks (A)*	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	10%	11%	43%	7%	39%	6%	9.9	(9.1,10.9)	<.001
Mold or mildew (H,A)	Roofing or structural leaks (H,A)†	28,044	9%	6%	27%	4%	42%	7%	9.4	(8.4,10.5)	<.001
Improperly stored garbage/rubbish in or near building (H,A)	Significant clutter (H)	28,218	5%	11%	47%	9%	22%	3%	9.1	(8.1,10.1)	<.001
Ineffective cleaning †	Improperly stored garbage/rubbish in or near building (H,A)	28,353	12%	5%	21%	3%	51%	10%	9.1	(8.1,10.1)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Mice (evidence or report)†	Cockroaches (evidence or report)	28,417	12%	8%	32%	5%	47%	9%	8.6	(7.9,9.4)	<.001
Plumbing leaks †(H,A)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	6%	11%	46%	9%	23%	3%	8.8	(7.9,9.9)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Cockroaches (evidence or report)	28,417	14%	8%	30%	5%	49%	10%	8.2	(7.5,8.9)	<.001
Mice (evidence or report)†	Rats (evidence or report)†	28,407	12%	2%	10%	1%	51%	11%	8.2	(7.1,9.6)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Improperly stored garbage/rubbish in or near building (H,A)	28,353	16%	5%	17%	3%	55%	14%	7.2	(6.5,8.1)	<.001
Significant dust accumulation †	Improperly stored garbage/rubbish in or near building (H,A)	28,353	10%	5%	20%	3%	39%	9%	6.8	(6.1,7.6)	<.001
Walls, ceilings, floors, doors, and stairs in disrepair	Improperly stored garbage/rubbish in the home (H,A)	28,170	11%	3%	13%	2%	43%	10%	7.0	(6.1,8.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	27%	11%	25%	5%	66%	23%	6.5	(6.0,7.1)	<.001
Rats (evidence or report)†	Cockroaches (evidence or report)	28,417	2%	8%	35%	8%	10%	2%	6.5	(5.5,7.6)	<.001
Walls, ceilings, floors, doors, and stairs in disrepair	Cockroaches (evidence or report)	28,417	11%	8%	27%	6%	35%	9%	5.6	(5.1,6.2)	<.001
Mold or mildew (H,A)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	9%	11%	33%	8%	29%	7%	5.4	(5.0,6.0)	<.001
Significant dust accumulation †	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	10%	11%	33%	8%	31%	8%	5.4	(5.0,6.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Significant dust accumulation †	28,234	27%	10%	23%	5%	62%	23%	5.3	(4.9,5.8)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	16%	11%	29%	7%	44%	13%	5.2	(4.8,5.6)	<.001
Chemical smell†	Improperly stored flammables (H)	27,976	4%	1%	7%	1%	25%	4%	9.0	(4.7,17.1)	<.001
Ineffective cleaning †	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	12%	11%	31%	8%	35%	9%	5.2	(4.7,5.6)	<.001
Walls, ceilings, floors, doors, and stairs in disrepair	Improperly stored garbage/rubbish in or near building (H,A)	28,353	11%	5%	17%	4%	35%	10%	5.2	(4.7,5.9)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Electrical hazards (H)	Plumbing leaks †(H,A)	28,271	5%	6%	20%	5%	18%	4%	5.1	(4.4,5.8)	<.001
Roofing, structural or plumbing leaks (A)*	Electrical hazards (H)	27,963	10%	5%	16%	4%	31%	8%	4.9	(4.3,5.5)	<.001
Electrical hazards (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	5%	11%	33%	9%	15%	4%	4.7	(4.2,5.3)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Plumbing leaks †(H,A)	28,271	27%	6%	12%	3%	62%	25%	4.7	(4.2,5.3)	<.001
Electrical hazards (H)	Roofing or structural leaks (H,A)†	28,044	5%	6%	20%	5%	17%	4%	4.7	(4.1,5.4)	<.001
Improperly stored flammables (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	1%	3%	15%	3%	4%	1%	5.6	(4.0,8.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Cockroaches (evidence or report)	28,417	27%	8%	17%	5%	59%	25%	4.4	(4.0,4.8)	<.001
Mice (evidence or report)†	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	12%	11%	29%	8%	33%	10%	4.4	(4.0,4.8)	<.001
Plumbing leaks †(H,A)	Cockroaches (evidence or report)	28,417	6%	8%	26%	7%	17%	4%	4.4	(3.9,5.0)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	14%	11%	28%	8%	35%	11%	4.3	(3.9,4.7)	<.001
Roofing, structural or plumbing leaks (A)*	Malfunctioning appliances (H)	28,055	10%	3%	11%	3%	30%	9%	4.4	(3.8,5.1)	<.001
Cockroaches (evidence or report)	Improperly stored garbage/rubbish in the home (H,A)	28,170	8%	3%	11%	3%	27%	8%	4.3	(3.7,5.1)	<.001
Exits do not function properly (H)	Plumbing leaks †(H,A)	28,271	3%	6%	19%	5%	10%	2%	4.4	(3.7,5.3)	<.001
Improperly stored flammables (H)	Electrical hazards (H)	27,963	1%	5%	20%	5%	4%	1%	5.1	(3.7,7.0)	<.001
Walls, ceilings, floors, doors, and stairs in disrepair	Significant clutter (H)	28,218	11%	11%	28%	9%	28%	9%	4.1	(3.7,4.5)	<.001
Exits do not function properly (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	3%	11%	32%	10%	9%	2%	4.2	(3.6,4.9)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	27%	3%	7%	2%	60%	26%	4.2	(3.6,4.8)	<.001
Malfunctioning appliances (H)	Plumbing leaks †(H,A)	28,271	3%	6%	18%	5%	12%	3%	4.3	(3.6,5.1)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Malfunctioning appliances (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	3%	11%	31%	10%	10%	3%	4.1	(3.6,4.8)	<.001
Mice (evidence or report)†	Plumbing leaks †(H,A)	28,271	12%	6%	15%	4%	34%	11%	4.1	(3.6,4.5)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Plumbing leaks †(H,A)	28,271	14%	6%	15%	4%	36%	12%	4.0	(3.6,4.5)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	27%	16%	32%	11%	52%	22%	3.8	(3.5,4.0)	<.001
Malfunctioning appliances (H)	Roofing or structural leaks (H,A)†	28,044	3%	6%	19%	5%	11%	3%	4.1	(3.5,4.9)	<.001
Mice (evidence or report)†	Improperly stored garbage/rubbish in or near building (H,A)	28,353	12%	5%	14%	4%	33%	11%	4.0	(3.5,4.5)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Improperly stored garbage/rubbish in or near building (H,A)	28,353	14%	5%	14%	4%	36%	12%	4.0	(3.5,4.4)	<.001
Roofing, structural or plumbing leaks (A)*	Cockroaches (evidence or report)	28,417	10%	8%	22%	7%	26%	8%	3.8	(3.5,4.3)	<.001
Significant dust accumulation †	Plumbing leaks †(H,A)	28,271	10%	6%	15%	4%	28%	9%	3.9	(3.5,4.4)	<.001
Lacks smoke detector on every floor †	Lacks working CO detector (H)	28,173	29%	67%	84%	60%	36%	14%	3.6	(3.4,3.9)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Roofing, structural or plumbing leaks (A)*	28,022	27%	10%	19%	6%	54%	24%	3.7	(3.4,4.0)	<.001
Mice (evidence or report)†	Improperly stored garbage/rubbish in the home (H,A)	28,170	12%	3%	9%	3%	34%	12%	3.9	(3.4,4.5)	<.001
Mice (evidence or report)†	Roofing, structural or plumbing leaks (A)*	28,022	12%	10%	24%	8%	30%	10%	3.8	(3.4,4.1)	<.001
One or more rooms lack ventilation (H)	Exits do not function properly (H)	28,354	4%	3%	10%	3%	13%	3%	4.3	(3.4,5.3)	<.001
Plumbing leaks †(H,A)	Improperly stored garbage/rubbish in the home (H,A)	28,170	6%	3%	11%	3%	18%	5%	4.1	(3.4,4.9)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Roofing, structural or plumbing leaks (A)*	28,022	14%	10%	23%	7%	33%	12%	3.8	(3.4,4.1)	<.001
Smoke detector(s) not audible from sleeping spaces †	Lacks working CO detector (H)	28,173	31%	67%	84%	59%	39%	15%	3.6	(3.4,3.9)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Plumbing leaks †(H,A)	28,271	16%	6%	13%	4%	40%	15%	3.7	(3.3,4.1)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Malfunctioning appliances (H)	Electrical hazards (H)	27,963	3%	5%	16%	5%	11%	3%	4.0	(3.3,4.8)	<.001
One or more rooms lack ventilation (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	4%	5%	16%	5%	11%	3%	3.9	(3.3,4.7)	<.001
Rats (evidence or report)†	Improperly stored garbage/rubbish in or near building (H,A)	28,353	2%	5%	17%	5%	8%	2%	4.1	(3.3,5.0)	<.001
Rats (evidence or report)†	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	2%	11%	31%	10%	7%	2%	3.8	(3.3,4.5)	<.001
Chemical smell†	Lacks smoke detector on every floor †	28,190	4%	29%	59%	25%	9%	2%	4.2	(3.2,5.6)	<.001
Cockroaches (evidence or report)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	8%	5%	14%	4%	23%	8%	3.6	(3.2,4.1)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Lacks working CO detector (H)	28,173	34%	67%	83%	59%	42%	18%	3.4	(3.2,3.6)	<.001
Malfunctioning appliances (H)	Improperly stored flammables (H)	27,976	3%	1%	4%	1%	14%	3%	4.7	(3.2,6.8)	<.001
Mice (evidence or report)†	Roofing or structural leaks (H,A)†	28,044	12%	6%	15%	5%	31%	11%	3.5	(3.2,4.0)	<.001
Rats (evidence or report)†	Plumbing leaks †(H,A)	28,271	2%	6%	18%	5%	8%	2%	3.9	(3.2,4.8)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Improperly stored garbage/rubbish in the home (H,A)	28,170	14%	3%	9%	3%	35%	13%	3.7	(3.2,4.2)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Roofing or structural leaks (H,A)†	28,044	14%	6%	14%	5%	33%	12%	3.5	(3.2,3.9)	<.001
Significant dust accumulation †	Mold or mildew (H,A)	28,107	10%	9%	23%	8%	25%	9%	3.5	(3.2,3.9)	<.001
Electrical hazards (H)	Mold or mildew (H,A)	28,107	5%	9%	25%	9%	13%	4%	3.5	(3.1,4.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	27%	5%	10%	3%	55%	26%	3.5	(3.1,3.9)	<.001
Malfunctioning appliances (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	3%	3%	11%	3%	11%	3%	3.8	(3.1,4.8)	<.001
One or more rooms lack ventilation (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	4%	3%	11%	3%	12%	3%	3.8	(3.1,4.7)	<.001
One or more rooms lack ventilation (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	4%	11%	29%	10%	10%	3%	3.6	(3.1,4.2)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Rats (evidence or report)†	Roofing or structural leaks (H,A)†	28,044	2%	6%	18%	6%	8%	2%	3.7	(3.1,4.5)	<.001
Roofing, structural or plumbing leaks (A)*	Improperly stored garbage/rubbish in the home (H,A)	28,170	10%	3%	9%	3%	26%	9%	3.6	(3.1,4.2)	<.001
Improperly stored flammables (H)	Significant clutter (H)	28,218	1%	11%	31%	10%	3%	1%	3.9	(3.0,5.1)	<.001
Roofing or structural leaks (H,A)†	Cockroaches (evidence or report)	28,417	6%	8%	21%	7%	15%	5%	3.4	(3.0,3.8)	<.001
Roofing, structural or plumbing leaks (A)*	Exits do not function properly (H)	28,354	10%	3%	8%	2%	26%	9%	3.6	(3.0,4.2)	<.001
Significant dust accumulation †	Roofing, structural or plumbing leaks (A)*	28,022	10%	10%	23%	8%	24%	9%	3.3	(3.0,3.6)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Mold or mildew (H,A)	28,107	27%	9%	18%	6%	52%	25%	3.2	(2.9,3.5)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Roofing or structural leaks (H,A)†	28,044	27%	6%	11%	4%	52%	25%	3.2	(2.9,3.5)	<.001
Rats (evidence or report)†	Roofing, structural or plumbing leaks (A)*	28,022	2%	10%	26%	9%	7%	2%	3.5	(2.9,4.1)	<.001
Chemical smell†	Ineffective cleaning †	27,930	4%	12%	41%	15%	10%	3%	3.7	(2.8,5.0)	<.001
Chemical smell†	Smoke detector(s) not audible from sleeping spaces †	28,129	4%	31%	59%	29%	8%	2%	3.7	(2.8,4.9)	<.001
Electrical hazards (H)	Exits do not function properly (H)	28,354	5%	3%	8%	3%	14%	5%	3.4	(2.8,4.2)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Roofing, structural or plumbing leaks (A)*	28,022	16%	10%	20%	8%	34%	14%	3.0	(2.8,3.3)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Mice (evidence or report)†	28,379	27%	12%	22%	9%	49%	24%	3.0	(2.8,3.2)	<.001
Mice (evidence or report)†	Significant dust accumulation †	28,234	12%	10%	22%	8%	27%	11%	3.1	(2.8,3.4)	<.001
Plumbing leaks †(H,A)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	6%	5%	14%	5%	14%	5%	3.2	(2.8,3.8)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Significant dust accumulation †	28,234	14%	10%	22%	8%	29%	12%	3.1	(2.8,3.3)	<.001
Significant dust accumulation †	Cockroaches (evidence or report)	28,417	10%	8%	19%	7%	23%	9%	3.1	(2.8,3.4)	<.001
Chemical smell†	Electrical hazards (H)	27,963	4%	5%	20%	6%	12%	3%	3.9	(2.7,5.7)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Chemical smell†	Improperly stored garbage/rubbish in the home (H,A)	28,170	4%	3%	17%	5%	12%	3%	3.9	(2.7,5.7)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Cockroaches (evidence or report)	28,417	16%	8%	17%	7%	34%	15%	2.9	(2.7,3.2)	<.001
Ineffective cleaning †	Plumbing leaks †(H,A)	28,271	12%	6%	13%	5%	28%	11%	3.0	(2.7,3.4)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Rodents (evidence or report of rats or mice) (H,A)*	28,365	27%	14%	24%	10%	48%	24%	2.9	(2.7,3.2)	<.001
Malfunctioning appliances (H)	Mold or mildew (H,A)	28,107	3%	9%	24%	9%	9%	3%	3.2	(2.7,3.7)	<.001
Mice (evidence or report)†	Mold or mildew (H,A)	28,107	12%	9%	21%	8%	27%	11%	3.0	(2.7,3.3)	<.001
One or more rooms lack ventilation (H)	Plumbing leaks †(H,A)	28,271	4%	6%	15%	5%	10%	3%	3.2	(2.7,3.9)	<.001
One or more rooms lack ventilation (H)	Roofing or structural leaks (H,A)†	28,044	4%	6%	16%	6%	9%	3%	3.2	(2.7,3.9)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Mold or mildew (H,A)	28,107	14%	9%	20%	8%	29%	12%	3.0	(2.7,3.3)	<.001
Roofing, structural or plumbing leaks (A)*	Improperly stored garbage/rubbish in or near building (H,A)	28,353	10%	5%	12%	4%	23%	9%	3.1	(2.7,3.5)	<.001
Roofing, structural or plumbing leaks (A)*	One or more rooms lack ventilation (H)	28,375	10%	4%	9%	3%	24%	9%	3.2	(2.7,3.7)	<.001
Chemical smell†	Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	28,138	4%	34%	61%	31%	7%	2%	3.5	(2.6,4.6)	<.001
Exits do not function properly (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	3%	3%	10%	3%	8%	3%	3.4	(2.6,4.3)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Mold or mildew (H,A)	28,107	16%	9%	19%	8%	33%	15%	2.9	(2.6,3.2)	<.001
Ineffective cleaning †	Cockroaches (evidence or report)	28,417	12%	8%	18%	7%	26%	11%	2.8	(2.6,3.1)	<.001
Ineffective cleaning †	Improperly stored flammables (H)	27,976	12%	1%	2%	1%	32%	12%	3.5	(2.6,4.5)	<.001
Mold or mildew (H,A)	Improperly stored garbage/rubbish in the home (H,A)	28,170	9%	3%	8%	3%	23%	9%	3.0	(2.6,3.6)	<.001
One or more rooms lack ventilation (H)	Mold or mildew (H,A)	28,107	4%	9%	23%	9%	9%	3%	3.0	(2.6,3.5)	<.001
Roofing or structural leaks (H,A)†	Improperly stored garbage/rubbish in the home (H,A)	28,170	6%	3%	9%	3%	16%	6%	3.1	(2.6,3.7)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Electrical hazards (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	5%	3%	9%	3%	13%	5%	3.0	(2.5,3.7)	<.001
Exits do not function properly (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	3%	5%	14%	5%	8%	3%	3.1	(2.5,3.8)	<.001
Exits do not function properly (H)	Roofing or structural leaks (H,A)†	28,044	3%	6%	15%	6%	7%	3%	3.1	(2.5,3.7)	<.001
Ineffective cleaning †	Roofing, structural or plumbing leaks (A)*	28,022	12%	10%	20%	8%	25%	11%	2.7	(2.5,3.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Ineffective cleaning †	27,930	27%	12%	21%	9%	47%	25%	2.7	(2.5,2.9)	<.001
Mice (evidence or report)†	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	12%	16%	31%	14%	24%	10%	2.7	(2.5,3.0)	<.001
Rats (evidence or report)†	Improperly stored garbage/rubbish in the home (H,A)	28,170	2%	3%	10%	3%	7%	2%	3.2	(2.5,4.1)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	14%	16%	31%	14%	26%	11%	2.7	(2.5,2.9)	<.001
Roofing or structural leaks (H,A)†	Improperly stored garbage/rubbish in or near building (H,A)	28,353	6%	5%	12%	4%	14%	5%	2.9	(2.5,3.4)	<.001
Significant dust accumulation †	Smoking in the home (H,A)	28,429	10%	34%	56%	32%	16%	7%	2.7	(2.5,2.9)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Malfunctioning appliances (H)	28,055	27%	3%	6%	2%	49%	26%	2.7	(2.4,3.1)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Significant clutter (H)	28,218	27%	11%	19%	8%	46%	25%	2.6	(2.4,2.8)	<.001
Malfunctioning appliances (H)	Cockroaches (evidence or report)	28,417	3%	8%	19%	8%	8%	3%	2.8	(2.4,3.3)	<.001
Mold or mildew (H,A)	Cockroaches (evidence or report)	28,417	9%	8%	18%	7%	20%	9%	2.7	(2.4,3.0)	<.001
Mold or mildew (H,A)	Significant clutter (H)	28,218	9%	11%	22%	10%	19%	8%	2.7	(2.4,2.9)	<.001
Plumbing leaks †(H,A)	Significant clutter (H)	28,218	6%	11%	23%	10%	12%	5%	2.7	(2.4,3.0)	<.001
Ineffective cleaning †	Electrical hazards (H)	27,963	12%	5%	10%	4%	25%	11%	2.6	(2.3,2.9)	<.001
Mice (evidence or report)†	Electrical hazards (H)	27,963	12%	5%	10%	4%	25%	12%	2.6	(2.3,2.9)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Mice (evidence or report)†	Ineffective cleaning †	27,930	12%	12%	23%	11%	23%	11%	2.5	(2.3,2.7)	<.001
Mold or mildew (H,A)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	9%	5%	11%	4%	21%	9%	2.7	(2.3,3.0)	<.001
One or more rooms lack ventilation (H)	Cockroaches (evidence or report)	28,417	4%	8%	19%	8%	8%	3%	2.7	(2.3,3.2)	<.001
Rats (evidence or report)†	Mold or mildew (H,A)	28,107	2%	9%	22%	9%	6%	2%	2.8	(2.3,3.4)	<.001
Rats (evidence or report)†	Significant dust accumulation †	28,234	2%	10%	23%	10%	6%	2%	2.8	(2.3,3.3)	<.001
Smoking in the home (H,A)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	34%	5%	8%	3%	56%	33%	2.6	(2.3,2.9)	<.001
Smoking in the home (H,A)	Improperly stored garbage/rubbish in the home (H,A)	28,170	34%	3%	6%	2%	57%	33%	2.6	(2.3,3.0)	<.001
Chemical smell†	Significant dust accumulation †	28,234	4%	10%	32%	14%	9%	3%	3.0	(2.2,4.0)	<.001
Chemical smell†	Smoking in the home (H,A)	28,429	4%	34%	70%	44%	6%	2%	2.9	(2.2,3.9)	<.001
Cockroaches (evidence or report)	Significant clutter (H)	28,218	8%	11%	21%	10%	16%	7%	2.4	(2.2,2.7)	<.001
Exits do not function properly (H)	Cockroaches (evidence or report)	28,417	3%	8%	19%	8%	6%	3%	2.6	(2.2,3.2)	<.001
Exits do not function properly (H)	Mold or mildew (H,A)	28,107	3%	9%	21%	9%	6%	2%	2.6	(2.2,3.1)	<.001
Improperly stored flammables (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	1%	5%	14%	5%	2%	1%	3.2	(2.2,4.6)	<.001
Ineffective cleaning †	Roofing or structural leaks (H,A)†	28,044	12%	6%	12%	5%	24%	11%	2.5	(2.2,2.8)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Rats (evidence or report)†	28,407	27%	2%	4%	2%	48%	27%	2.6	(2.2,3.0)	<.001
Malfunctioning appliances (H)	Exits do not function properly (H)	28,354	3%	3%	7%	3%	9%	3%	2.8	(2.2,3.6)	<.001
Malfunctioning appliances (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	3%	5%	12%	5%	8%	3%	2.7	(2.2,3.3)	<.001
Mice (evidence or report)†	Significant clutter (H)	28,218	12%	11%	20%	9%	23%	11%	2.5	(2.2,2.7)	<.001
Rats (evidence or report)†	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	2%	16%	33%	16%	5%	2%	2.6	(2.2,3.1)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Ineffective cleaning †	27,930	14%	12%	22%	11%	25%	12%	2.4	(2.2,2.6)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Rodents (evidence or report of rats or mice) (H,A)*	Significant clutter (H)	28,218	14%	11%	20%	9%	25%	12%	2.4	(2.2,2.6)	<.001
Roofing, structural or plumbing leaks (A)*	Significant clutter (H)	28,218	10%	11%	21%	10%	19%	9%	2.4	(2.2,2.7)	<.001
Significant dust accumulation †	Electrical hazards (H)	27,963	10%	5%	10%	4%	21%	9%	2.5	(2.2,2.9)	<.001
Chemical smell†	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	4%	16%	43%	21%	8%	3%	2.8	(2.1,3.7)	<.001
Chemical smell†	Significant clutter (H)	28,218	4%	11%	37%	17%	8%	3%	2.8	(2.1,3.7)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Electrical hazards (H)	27,963	16%	5%	9%	4%	30%	15%	2.4	(2.1,2.7)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Improperly stored flammables (H)	27,976	16%	1%	2%	1%	34%	16%	2.7	(2.1,3.6)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Roofing or structural leaks (H,A)†	28,044	16%	6%	11%	5%	30%	15%	2.4	(2.1,2.6)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Smoking in the home (H,A)	28,429	16%	34%	51%	31%	24%	12%	2.3	(2.1,2.4)	<.001
Ineffective cleaning †	Smoking in the home (H,A)	28,429	12%	34%	51%	32%	18%	9%	2.3	(2.1,2.4)	<.001
Lacks smoke detector on every floor †	Electrical hazards (H)	27,963	29%	5%	8%	4%	48%	28%	2.4	(2.1,2.7)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	One or more rooms lack ventilation (H)	28,375	27%	4%	6%	3%	47%	27%	2.4	(2.1,2.8)	<.001
One or more rooms lack ventilation (H)	Significant clutter (H)	28,218	4%	11%	22%	10%	7%	3%	2.4	(2.1,2.8)	<.001
Rats (evidence or report)†	Malfunctioning appliances (H)	28,055	2%	3%	9%	3%	6%	2%	2.7	(2.1,3.6)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Electrical hazards (H)	27,963	14%	5%	10%	4%	26%	13%	2.4	(2.1,2.7)	<.001
Significant dust accumulation †	Roofing or structural leaks (H,A)†	28,044	10%	6%	12%	5%	20%	9%	2.4	(2.1,2.7)	<.001
Electrical hazards (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	5%	5%	11%	5%	10%	5%	2.4	(2.0,2.8)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	Exits do not function properly (H)	28,354	16%	3%	5%	2%	31%	16%	2.3	(2.0,2.7)	<.001
Ineffective cleaning †	Malfunctioning appliances (H)	28,055	12%	3%	7%	3%	24%	12%	2.3	(2.0,2.7)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Ineffective cleaning †	Mold or mildew (H,A)	28,107	12%	9%	17%	8%	22%	11%	2.2	(2.0,2.4)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Electrical hazards (H)	27,963	27%	5%	8%	4%	44%	26%	2.2	(2.0,2.5)	<.001
Mice (evidence or report)†	Exits do not function properly (H)	28,354	12%	3%	6%	2%	24%	12%	2.3	(2.0,2.7)	<.001
Roofing or structural leaks (H,A)†	Significant clutter (H)	28,218	6%	11%	20%	10%	11%	5%	2.2	(2.0,2.5)	<.001
Significant dust accumulation †	Improperly stored flammables (H)	27,976	10%	1%	2%	1%	22%	10%	2.6	(2.0,3.6)	<.001
Smoke detector(s) not audible from sleeping spaces †	Electrical hazards (H)	27,963	31%	5%	8%	4%	49%	30%	2.2	(2.0,2.5)	<.001
Electrical hazards (H)	Significant clutter (H)	28,218	5%	11%	19%	10%	9%	5%	2.1	(1.9,2.5)	<.001
Improperly stored flammables (H)	Mold or mildew (H,A)	28,107	1%	9%	21%	9%	2%	1%	2.5	(1.9,3.5)	<.001
Ineffective cleaning †	Exits do not function properly (H)	28,354	12%	3%	6%	3%	24%	12%	2.3	(1.9,2.7)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Electrical hazards (H)	27,963	34%	5%	8%	4%	52%	33%	2.2	(1.9,2.4)	<.001
Malfunctioning appliances (H)	Significant clutter (H)	28,218	3%	11%	20%	10%	7%	3%	2.2	(1.9,2.6)	<.001
Mice (evidence or report)†	One or more rooms lack ventilation (H)	28,375	12%	4%	7%	3%	23%	12%	2.2	(1.9,2.6)	<.001
One or more rooms lack ventilation (H)	Electrical hazards (H)	27,963	4%	5%	10%	5%	7%	3%	2.3	(1.9,2.9)	<.001
One or more rooms lack ventilation (H)	Malfunctioning appliances (H)	28,055	4%	3%	8%	3%	8%	3%	2.4	(1.9,3.0)	<.001
Rats (evidence or report)†	Exits do not function properly (H)	28,354	2%	3%	7%	3%	6%	2%	2.6	(1.9,3.5)	<.001
Rats (evidence or report)†	Ineffective cleaning †	27,930	2%	12%	24%	12%	5%	2%	2.3	(1.9,2.8)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Exits do not function properly (H)	28,354	14%	3%	5%	2%	26%	13%	2.3	(1.9,2.7)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	One or more rooms lack ventilation (H)	28,375	14%	4%	7%	3%	25%	13%	2.2	(1.9,2.6)	<.001
Smoking in the home (H,A)	Significant clutter (H)	28,218	34%	11%	16%	8%	50%	32%	2.1	(1.9,2.3)	<.001
Chemical smell†	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	4%	11%	27%	13%	8%	3%	2.5	(1.8,3.4)	<.001
Electrical hazards (H)	Cockroaches (evidence or report)	28,417	5%	8%	15%	8%	9%	5%	2.1	(1.8,2.5)	<.001
Exits do not function properly (H)	Significant clutter (H)	28,218	3%	11%	20%	11%	5%	3%	2.2	(1.8,2.6)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Ineffective cleaning or significant dust accumulation (H,A)*	Malfunctioning appliances (H)	28,055	16%	3%	6%	3%	28%	16%	2.1	(1.8,2.4)	<.001
Ineffective cleaning †	One or more rooms lack ventilation (H)	28,375	12%	4%	7%	3%	22%	12%	2.1	(1.8,2.4)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Improperly stored garbage/rubbish in the home (H,A)	28,170	34%	3%	5%	3%	51%	34%	2.0	(1.8,2.3)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Ineffective cleaning †	27,930	34%	12%	17%	10%	48%	33%	1.9	(1.8,2.1)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Smoking in the home (H,A)	28,429	27%	34%	46%	31%	36%	23%	1.9	(1.8,2.0)	<.001
Mice (evidence or report)†	Malfunctioning appliances (H)	28,055	12%	3%	6%	3%	22%	12%	2.1	(1.8,2.5)	<.001
Rats (evidence or report)†	Significant clutter (H)	28,218	2%	11%	20%	11%	5%	2%	2.1	(1.8,2.6)	<.001
Rodents (evidence or report of rats or mice) (H,A)*	Malfunctioning appliances (H)	28,055	14%	3%	6%	3%	24%	13%	2.1	(1.8,2.5)	<.001
Significant dust accumulation †	Exits do not function properly (H)	28,354	10%	3%	5%	3%	19%	10%	2.1	(1.8,2.5)	<.001
Smoke detector(s) not audible from sleeping spaces †	Ineffective cleaning †	27,930	31%	12%	18%	10%	45%	30%	2.0	(1.8,2.1)	<.001
Chemical smell†	Improperly stored garbage/rubbish in or near building (H,A)	28,353	4%	5%	18%	8%	8%	4%	2.4	(1.7,3.5)	<.001
Improperly stored flammables (H)	Exits do not function properly (H)	28,354	1%	3%	7%	3%	2%	1%	2.8	(1.7,4.5)	<.001
Improperly stored flammables (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	1%	11%	22%	11%	2%	1%	2.4	(1.7,3.2)	<.001
Lacks smoke detector on every floor †	Improperly stored garbage/rubbish in the home (H,A)	28,170	29%	3%	5%	3%	43%	28%	1.9	(1.7,2.2)	<.001
Lacks smoke detector on every floor †	Ineffective cleaning †	27,930	29%	12%	17%	10%	41%	27%	1.9	(1.7,2.0)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Exits do not function properly (H)	28,354	27%	3%	4%	2%	42%	27%	2.0	(1.7,2.3)	<.001
Rats (evidence or report)†	One or more rooms lack ventilation (H)	28,375	2%	4%	8%	4%	5%	2%	2.2	(1.7,3.0)	<.001
Significant dust accumulation †	One or more rooms lack ventilation (H)	28,375	10%	4%	6%	3%	18%	10%	2.0	(1.7,2.4)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Smoke detector(s) not audible from sleeping spaces †	Improperly stored garbage/rubbish in the home (H,A)	28,170	31%	3%	5%	3%	47%	31%	2.0	(1.7,2.3)	<.001
Ineffective cleaning or significant dust accumulation (H,A)*	One or more rooms lack ventilation (H)	28,375	16%	4%	6%	3%	26%	16%	1.9	(1.6,2.2)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	34%	16%	21%	14%	45%	33%	1.7	(1.6,1.8)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Significant clutter (H)	28,218	34%	11%	14%	9%	46%	33%	1.7	(1.6,1.9)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Significant dust accumulation †	28,234	34%	10%	14%	8%	46%	33%	1.7	(1.6,1.9)	<.001
Lacks smoke detector on every floor †	Significant dust accumulation †	28,234	29%	10%	14%	9%	39%	28%	1.7	(1.6,1.8)	<.001
Lacks smoke detector on every floor †	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	29%	11%	15%	9%	39%	27%	1.7	(1.6,1.9)	<.001
Significant dust accumulation †	Malfunctioning appliances (H)	28,055	10%	3%	6%	3%	17%	10%	2.0	(1.6,2.3)	<.001
Smoke detector(s) not audible from sleeping spaces †	Significant clutter (H)	28,218	31%	11%	15%	9%	43%	30%	1.7	(1.6,1.9)	<.001
Smoking in the home (H,A)	Plumbing leaks †(H,A)	28,271	34%	6%	7%	4%	47%	34%	1.7	(1.6,1.9)	<.001
Chemical smell or odor scented products (A)*	Improperly stored flammables (H)	27,976	23%	1%	2%	1%	44%	23%	2.7	(1.5,4.6)	<.001
Chemical smell†	Malfunctioning appliances (H)	28,055	4%	3%	10%	4%	8%	4%	2.4	(1.5,3.9)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Improperly stored flammables (H)	27,976	34%	1%	1%	1%	49%	34%	1.9	(1.5,2.4)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	34%	11%	14%	9%	44%	33%	1.6	(1.5,1.8)	<.001
Lacks smoke detector on every floor †	Improperly stored flammables (H)	27,976	29%	1%	1%	1%	43%	28%	1.9	(1.5,2.5)	<.001
Lacks smoke detector on every floor †	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	29%	16%	21%	14%	38%	27%	1.6	(1.5,1.7)	<.001
Lacks smoke detector on every floor †	Significant clutter (H)	28,218	29%	11%	14%	9%	38%	28%	1.6	(1.5,1.7)	<.001
Lacks working CO detector (H)	Electrical hazards (H)	27,963	67%	5%	6%	3%	77%	67%	1.7	(1.5,2.0)	<.001
Mice (evidence or report)†	Smoking in the home (H,A)	28,429	12%	34%	45%	33%	16%	10%	1.7	(1.5,1.8)	<.001
One or more rooms lack ventilation (H)	Improperly stored flammables (H)	27,976	4%	1%	2%	1%	8%	4%	2.3	(1.5,3.7)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Rodents (evidence or report of rats or mice) (H,A)*	Smoking in the home (H,A)	28,429	14%	34%	44%	33%	18%	12%	1.6	(1.5,1.7)	<.001
Roofing, structural or plumbing leaks (A)*	Smoking in the home (H,A)	28,429	10%	34%	44%	33%	12%	8%	1.6	(1.5,1.7)	<.001
Smoke detector(s) not audible from sleeping spaces †	Ineffective cleaning or significant dust accumulation (H,A)*	27,937	31%	16%	21%	14%	40%	30%	1.6	(1.5,1.7)	<.001
Smoke detector(s) not audible from sleeping spaces †	Significant dust accumulation †	28,234	31%	10%	13%	9%	41%	30%	1.6	(1.5,1.7)	<.001
Smoke detector(s) not audible from sleeping spaces †	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	31%	11%	14%	9%	41%	30%	1.6	(1.5,1.8)	<.001
Smoking in the home (H,A)	Electrical hazards (H)	27,963	34%	5%	7%	4%	45%	34%	1.7	(1.5,1.8)	<.001
Chemical smell or odor scented products (A)*	Electrical hazards (H)	27,963	23%	5%	10%	6%	34%	22%	1.8	(1.4,2.3)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Plumbing leaks †(H,A)	28,271	34%	6%	7%	5%	43%	34%	1.5	(1.4,1.7)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Rats (evidence or report)†	28,407	34%	2%	3%	2%	46%	34%	1.7	(1.4,1.9)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Roofing, structural or plumbing leaks (A)*	28,022	34%	10%	12%	8%	43%	33%	1.5	(1.4,1.6)	<.001
Lacks smoke detector on every floor †	Plumbing leaks †(H,A)	28,271	29%	6%	7%	5%	38%	28%	1.6	(1.4,1.7)	<.001
Lacks smoke detector on every floor †	Rats (evidence or report)†	28,407	29%	2%	3%	2%	39%	28%	1.6	(1.4,1.9)	<.001
Lacks smoke detector on every floor †	Roofing, structural or plumbing leaks (A)*	28,022	29%	10%	12%	9%	37%	28%	1.5	(1.4,1.6)	<.001
Lacks working CO detector (H)	Improperly stored garbage/rubbish in the home (H,A)	28,170	67%	3%	4%	2%	76%	67%	1.6	(1.4,1.8)	<.001
Roofing, structural or plumbing leaks (A)*	Improperly stored flammables (H)	27,976	10%	1%	2%	1%	17%	10%	2.0	(1.4,2.8)	<.001
Smoke detector(s) not audible from sleeping spaces †	Improperly stored flammables (H)	27,976	31%	1%	1%	1%	45%	31%	1.9	(1.4,2.4)	<.001
Smoke detector(s) not audible from sleeping spaces †	Roofing, structural or plumbing leaks (A)*	28,022	31%	10%	12%	8%	39%	30%	1.5	(1.4,1.6)	<.001
Smoke detector(s) not audible from sleeping spaces †	Smoking in the home (H,A)	28,429	31%	34%	40%	32%	36%	28%	1.4	(1.4,1.5)	<.001
Smoking in the home (H,A)	Cockroaches (evidence or report)	28,417	34%	8%	11%	7%	43%	34%	1.5	(1.4,1.6)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Smoking in the home (H,A)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	34%	11%	13%	9%	43%	33%	1.5	(1.4,1.6)	<.001
Chemical smell or odor scented products (A)*	Smoke detector(s) not audible from sleeping spaces †	28,129	23%	31%	37%	28%	29%	21%	1.5	(1.3,1.8)	<.001
Chemical smell†	Lacks working CO detector (H)	28,173	4%	67%	79%	67%	5%	3%	1.8	(1.3,2.6)	<.001
Ineffective cleaning †	Lacks working CO detector (H)	28,173	12%	67%	74%	66%	13%	10%	1.4	(1.3,1.5)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Improperly stored garbage/rubbish in or near building (H,A)	28,353	34%	5%	6%	4%	43%	34%	1.5	(1.3,1.7)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Malfunctioning appliances (H)	28,055	34%	3%	4%	3%	43%	34%	1.5	(1.3,1.7)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Rodents (evidence or report of rats or mice) (H,A)*	28,365	34%	14%	16%	12%	41%	33%	1.4	(1.3,1.5)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Smoking in the home (H,A)	28,429	34%	34%	39%	32%	39%	32%	1.4	(1.3,1.5)	<.001
Lacks smoke detector on every floor †	Malfunctioning appliances (H)	28,055	29%	3%	5%	3%	38%	28%	1.5	(1.3,1.7)	<.001
Lacks smoke detector on every floor †	Rodents (evidence or report of rats or mice) (H,A)*	28,365	29%	14%	17%	12%	35%	28%	1.4	(1.3,1.5)	<.001
Lacks smoke detector on every floor †	Smoking in the home (H,A)	28,429	29%	34%	39%	32%	33%	26%	1.4	(1.3,1.4)	<.001
Lacks working CO detector (H)	Improperly stored garbage/rubbish in or near building (H,A)	28,353	67%	5%	6%	4%	74%	67%	1.4	(1.3,1.6)	<.001
Lacks working CO detector (H)	Walls, ceilings, floors, doors, and stairs in disrepair	28,396	67%	11%	12%	9%	73%	66%	1.4	(1.3,1.5)	<.001
Malfunctioning appliances (H)	Smoking in the home (H,A)	28,429	3%	34%	42%	34%	4%	3%	1.4	(1.3,1.6)	<.001
Rats (evidence or report)†	Electrical hazards (H)	27,963	2%	5%	8%	5%	4%	2%	1.7	(1.3,2.3)	<.001
Smoke detector(s) not audible from sleeping spaces †	Improperly stored garbage/rubbish in or near building (H,A)	28,353	31%	5%	7%	5%	39%	31%	1.5	(1.3,1.6)	<.001
Smoke detector(s) not audible from sleeping spaces †	Malfunctioning appliances (H)	28,055	31%	3%	4%	3%	39%	31%	1.4	(1.3,1.7)	<.001
Smoke detector(s) not audible from sleeping spaces †	Plumbing leaks †(H,A)	28,271	31%	6%	7%	5%	40%	31%	1.5	(1.3,1.7)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Smoke detector(s) not audible from sleeping spaces †	Rats (evidence or report)†	28,407	31%	2%	3%	2%	41%	31%	1.5	(1.3,1.8)	<.001
Smoke detector(s) not audible from sleeping spaces †	Roofing or structural leaks (H,A)†	28,044	31%	6%	7%	5%	38%	31%	1.4	(1.3,1.6)	<.001
Smoking in the home (H,A)	Improperly stored flammables (H)	27,976	34%	1%	1%	1%	46%	34%	1.7	(1.3,2.1)	<.001
Smoking in the home (H,A)	Mold or mildew (H,A)	28,107	34%	9%	11%	8%	41%	34%	1.4	(1.3,1.5)	<.001
Smoking in the home (H,A)	Roofing or structural leaks (H,A)†	28,044	34%	6%	7%	5%	42%	34%	1.4	(1.3,1.6)	<.001
Chemical smell or odor scented products (A)*	Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	28,138	23%	34%	38%	31%	27%	21%	1.4	(1.2,1.6)	<.001
Chemical smell or odor scented products (A)*	Lacks working CO detector (H)	28,173	23%	67%	73%	66%	25%	19%	1.4	(1.2,1.6)	<.001
Chemical smell†	One or more rooms lack ventilation (H)	28,375	4%	4%	9%	5%	7%	4%	2.0	(1.2,3.3)	0.004
Improperly stored flammables (H)	Plumbing leaks †(H,A)	28,271	1%	6%	9%	5%	2%	1%	1.8	(1.2,2.8)	0.006
Improperly stored flammables (H)	Roofing or structural leaks (H,A)†	28,044	1%	6%	10%	6%	2%	1%	1.9	(1.2,2.8)	0.003
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Exits do not function properly (H)	28,354	34%	3%	3%	3%	41%	34%	1.4	(1.2,1.6)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Mice (evidence or report)†	28,379	34%	12%	14%	11%	39%	33%	1.3	(1.2,1.4)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Roofing or structural leaks (H,A)†	28,044	34%	6%	7%	5%	41%	34%	1.4	(1.2,1.5)	<.001
Lacks smoke detector on every floor †	Improperly stored garbage/rubbish in or near building (H,A)	28,353	29%	5%	6%	5%	34%	28%	1.3	(1.2,1.5)	<.001
Lacks smoke detector on every floor †	Mice (evidence or report)†	28,379	29%	12%	15%	11%	34%	28%	1.3	(1.2,1.4)	<.001
Lacks smoke detector on every floor †	Roofing or structural leaks (H,A)†	28,044	29%	6%	7%	5%	35%	28%	1.4	(1.2,1.5)	<.001
Lacks working CO detector (H)	Cockroaches (evidence or report)	28,417	67%	8%	9%	7%	72%	67%	1.3	(1.2,1.5)	<.001
Lacks working CO detector (H)	Exits do not function properly (H)	28,354	67%	3%	3%	2%	74%	67%	1.4	(1.2,1.6)	<.001
Lacks working CO detector (H)	Significant clutter (H)	28,218	67%	11%	12%	9%	72%	67%	1.3	(1.2,1.4)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Improperly stored flammables (H)	27,976	27%	1%	1%	1%	37%	27%	1.6	(1.2,2.1)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
One or more rooms lack ventilation (H)	Smoking in the home (H,A)	28,429	4%	34%	41%	34%	4%	3%	1.3	(1.2,1.5)	<.001
Rats (evidence or report)†	Smoking in the home (H,A)	28,429	2%	34%	42%	34%	3%	2%	1.4	(1.2,1.6)	<.001
Smoke detector(s) not audible from sleeping spaces †	Exits do not function properly (H)	28,354	31%	3%	4%	3%	38%	31%	1.4	(1.2,1.6)	<.001
Smoke detector(s) not audible from sleeping spaces †	Mice (evidence or report)†	28,379	31%	12%	14%	12%	36%	30%	1.3	(1.2,1.4)	<.001
Smoke detector(s) not audible from sleeping spaces †	Rodents (evidence or report of rats or mice) (H,A)*	28,365	31%	14%	16%	13%	36%	30%	1.3	(1.2,1.4)	<.001
Chemical smell or odor scented products (A)*	Lacks smoke detector on every floor †	28,190	23%	29%	30%	26%	26%	22%	1.2	(1.1,1.4)	0.004
Chemical smell or odor scented products (A)*	Roofing or structural leaks (H,A)†	28,044	23%	6%	10%	8%	29%	23%	1.4	(1.1,1.7)	0.007
Chemical smell†	Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	26,825	4%	27%	42%	33%	5%	3%	1.5	(1.1,2.0)	0.007
Ineffective cleaning or significant dust accumulation (H,A)*	Lacks working CO detector (H)	28,173	16%	67%	71%	66%	17%	15%	1.2	(1.1,1.3)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Mold or mildew (H,A)	28,107	34%	9%	10%	9%	38%	34%	1.2	(1.1,1.3)	<.001
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	One or more rooms lack ventilation (H)	28,375	34%	4%	4%	3%	38%	34%	1.2	(1.1,1.4)	0.005
Lacks smoke detector on every floor †	Exits do not function properly (H)	28,354	29%	3%	3%	3%	34%	29%	1.3	(1.1,1.5)	<.001
Lacks smoke detector on every floor †	Mold or mildew (H,A)	28,107	29%	9%	10%	9%	32%	29%	1.2	(1.1,1.3)	0.001
Lacks working CO detector (H)	Improperly stored flammables (H)	27,976	67%	1%	1%	1%	75%	67%	1.5	(1.1,2.0)	0.008
Lacks working CO detector (H)	Plumbing leaks †(H,A)	28,271	67%	6%	6%	5%	70%	67%	1.2	(1.1,1.3)	0.005
Lacks working CO detector (H)	Smoking in the home (H,A)	28,429	67%	34%	35%	32%	69%	66%	1.1	(1.1,1.2)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	28,138	27%	34%	38%	34%	30%	26%	1.2	(1.1,1.3)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Lacks smoke detector on every floor †	28,190	27%	29%	33%	28%	30%	26%	1.2	(1.1,1.3)	<.001

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Lacks working CO detector (H)	28,173	27%	67%	69%	66%	28%	26%	1.1	(1.1,1.2)	<.001
Lead paint hazards (homes built before 1978), chipping/peeling/deteriorated/chalking paint indoors or outdoors (H)	Smoke detector(s) not audible from sleeping spaces †	28,129	27%	31%	34%	31%	29%	26%	1.1	(1.1,1.2)	<.001
Malfunctioning appliances (H)	Lacks working CO detector (H)	28,173	3%	67%	72%	67%	4%	3%	1.3	(1.1,1.5)	0.001
Mice (evidence or report)†	Lacks working CO detector (H)	28,173	12%	67%	70%	67%	13%	11%	1.2	(1.1,1.3)	<.001
Odor scented products†	Lacks working CO detector (H)	28,173	19%	67%	72%	66%	21%	17%	1.3	(1.1,1.5)	<.001
Odor scented products†	Roofing or structural leaks (H,A)†	28,044	19%	6%	10%	8%	25%	19%	1.4	(1.1,1.7)	0.007
Rats (evidence or report)†	Lacks working CO detector (H)	28,173	2%	67%	73%	67%	3%	2%	1.3	(1.1,1.6)	0.001
Rodents (evidence or report of rats or mice) (H,A)*	Lacks working CO detector (H)	28,173	14%	67%	70%	67%	14%	12%	1.2	(1.1,1.3)	<.001
Roofing, structural or plumbing leaks (A)*	Lacks working CO detector (H)	28,173	10%	67%	70%	67%	10%	9%	1.2	(1.1,1.3)	0.001
Significant dust accumulation †	Lacks working CO detector (H)	28,173	10%	67%	70%	67%	11%	9%	1.2	(1.1,1.3)	<.001
Smoke detector(s) not audible from sleeping spaces †	Mold or mildew (H,A)	28,107	31%	9%	10%	9%	34%	31%	1.2	(1.1,1.3)	<.001
Smoke detector(s) not audible from sleeping spaces †	One or more rooms lack ventilation (H)	28,375	31%	4%	4%	3%	35%	31%	1.2	(1.1,1.4)	0.005

* = Combined hazard, † = Constituent of a combined hazard

H=hazard included in the home hazard score, A = hazard included in the asthma trigger score

Table B-3: Non-significant associations between pairs of hazards (ordered from strongest to weakest associations, as defined by the p-value)

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Odor scented products†	Smoking in the home (H,A)	28,429	19%	34%	43%	46%	18%	20%	0.9	(0.8,1.0)	0.058
Chemical smell†	Roofing, structural or plumbing leaks (A)*	28,022	4%	10%	18%	14%	5%	4%	1.4	(1.0,2.0)	0.077
Mice (evidence or report)†	Improperly stored flammables (H)	27,976	12%	1%	1%	1%	16%	12%	1.3	(1.0,1.9)	0.092
Chemical smell or odor scented products (A)*	Smoking in the home (H,A)	28,429	23%	34%	48%	45%	24%	22%	1.1	(1.0,1.3)	0.093
Chemical smell†	Exits do not function properly (H)	28,354	4%	3%	5%	3%	6%	4%	1.7	(0.9,3.2)	0.094
Odor scented products†	Electrical hazards (H)	27,963	19%	5%	8%	6%	23%	19%	1.2	(1.0,1.6)	0.099
Lacks smoke detector on every floor †	One or more rooms lack ventilation (H)	28,375	29%	4%	4%	4%	31%	29%	1.1	(1.0,1.3)	0.104
Chemical smell†	Plumbing leaks †(H,A)	28,271	4%	6%	11%	8%	5%	4%	1.4	(0.9,2.3)	0.105
Odor scented products†	Lacks smoke detector on every floor †	28,190	19%	29%	25%	27%	18%	20%	0.9	(0.8,1.0)	0.106
Chemical smell or odor scented products (A)*	Plumbing leaks †(H,A)	28,271	23%	6%	7%	8%	20%	23%	0.8	(0.6,1.1)	0.132
Lacks smoke detector on every floor †	Cockroaches (evidence or report)	28,417	29%	8%	9%	8%	30%	29%	1.1	(1.0,1.2)	0.135
Chemical smell or odor scented products (A)*	Ineffective cleaning †	27,930	23%	12%	15%	17%	21%	23%	0.9	(0.7,1.1)	0.154
Chemical smell or odor scented products (A)*	Improperly stored garbage/rubbish in or near building (H,A)	28,353	23%	5%	8%	9%	20%	23%	0.8	(0.7,1.1)	0.162
Smoking in the home (H,A)	Exits do not function properly (H)	28,354	34%	3%	3%	3%	37%	34%	1.1	(1.0,1.3)	0.169
Chemical smell or odor scented products (A)*	Roofing, structural or plumbing leaks (A)*	28,022	23%	10%	15%	13%	25%	23%	1.1	(0.9,1.4)	0.174
Chemical smell†	Mice (evidence or report)†	28,379	4%	12%	20%	16%	5%	4%	1.3	(0.9,1.8)	0.175
One or more rooms lack ventilation (H)	Lacks working CO detector (H)	28,173	4%	67%	69%	67%	4%	3%	1.1	(1.0,1.3)	0.186
Odor scented products†	Mold or mildew (H,A)	28,107	19%	9%	19%	18%	21%	19%	1.1	(0.9,1.3)	0.198
Chemical smell or odor scented products (A)*	Significant dust accumulation †	28,234	23%	10%	14%	15%	21%	23%	0.9	(0.7,1.1)	0.231
Chemical smell or odor scented products (A)*	Exits do not function properly (H)	28,354	23%	3%	4%	3%	26%	23%	1.2	(0.9,1.7)	0.271
Odor scented products†	Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	28,138	19%	34%	34%	32%	21%	19%	1.1	(0.9,1.3)	0.273
Lacks working CO detector (H)	Mold or mildew (H,A)	28,107	67%	9%	10%	9%	68%	67%	1.0	(1.0,1.1)	0.277
Chemical smell†	Mold or mildew (H,A)	28,107	4%	9%	15%	18%	3%	4%	0.8	(0.6,1.2)	0.299

Hazard1	Hazard2	N	%Hazard1=Y	%Hazard2=Y	Conditional Probabilities				Odds Ratio	95% CI for OR	p-value
					% Hazard2=Y given Hazard1=Y	% Hazard2=Y given Hazard1=N	% Hazard1=Y given Hazard2=Y	% Hazard1=Y given Hazard2=N			
Rodents (evidence or report of rats or mice) (H,A)*	Improperly stored flammables (H)	27,976	14%	1%	1%	1%	16%	14%	1.2	(0.9,1.7)	0.299
Chemical smell or odor scented products (A)*	Improperly stored garbage/rubbish in the home (H,A)	28,170	23%	3%	5%	6%	20%	23%	0.9	(0.6,1.2)	0.304
Chemical smell†	Rodents (evidence or report of rats or mice) (H,A)*	28,365	4%	14%	20%	17%	4%	4%	1.2	(0.8,1.7)	0.336
Odor scented products†	One or more rooms lack ventilation (H)	28,375	19%	4%	4%	5%	17%	20%	0.9	(0.6,1.2)	0.375
Chemical smell or odor scented products (A)*	Mold or mildew (H,A)	28,107	23%	9%	19%	18%	24%	23%	1.1	(0.9,1.3)	0.388
Lacks smoke detector on every floor or not audible from sleeping spaces (H)*	Cockroaches (evidence or report)	28,417	34%	8%	9%	8%	35%	34%	1.0	(1.0,1.1)	0.391
Odor scented products†	Roofing, structural or plumbing leaks (A)*	28,022	19%	10%	14%	13%	21%	20%	1.1	(0.9,1.3)	0.391
Chemical smell†	Roofing or structural leaks (H,A)†	28,044	4%	6%	10%	8%	5%	4%	1.2	(0.8,1.9)	0.417
Rats (evidence or report)†	Improperly stored flammables (H)	27,976	2%	1%	1%	1%	3%	3%	1.3	(0.6,2.6)	0.464
Chemical smell or odor scented products (A)*	One or more rooms lack ventilation (H)	28,375	23%	4%	5%	5%	25%	23%	1.1	(0.8,1.5)	0.504
Smoke detector(s) not audible from sleeping spaces †	Cockroaches (evidence or report)	28,417	31%	8%	9%	8%	32%	31%	1.0	(0.9,1.1)	0.510
Chemical smell†	Rats (evidence or report)†	28,407	4%	2%	2%	3%	3%	4%	0.7	(0.3,2.0)	0.520
Chemical smell or odor scented products (A)*	Malfunctioning appliances (H)	28,055	23%	3%	5%	4%	25%	23%	1.1	(0.8,1.5)	0.554
Odor scented products†	Malfunctioning appliances (H)	28,055	19%	3%	4%	5%	18%	20%	0.9	(0.6,1.3)	0.571
Improperly stored flammables (H)	Cockroaches (evidence or report)	28,417	1%	8%	9%	8%	1%	1%	1.1	(0.7,1.7)	0.575
Odor scented products†	Exits do not function properly (H)	28,354	19%	3%	4%	3%	21%	19%	1.1	(0.8,1.6)	0.581
Odor scented products†	Improperly stored flammables (H)	27,976	19%	1%	1%	1%	19%	20%	1.0	(0.5,1.9)	0.927
Chemical smell†	Cockroaches (evidence or report)	28,417	4%	8%	12%	12%	4%	4%	1.0	(0.6,1.5)	0.997

* = Combined hazard, † = Constituent of a combined hazard, ‡ cannot be calculated

H=hazard included in the home hazard score, A = hazard included in the asthma trigger score