**Relationship between positive skin prick test & asthma control**

1. **Positive skin prick test results/153 children**

* Cat : 24 – 15.7%
* Dog : 44 – 28.8%
* Mold : 27 – 17.7%
* Cockroach : 34 – 22.2%
* Mouse : 27 – 17.7%
* Dust mite : 51 – 33.3%

1. **Number of positive allergen responses:**

* 0 : 64 – 41.8%
* 1 : 37 – 24.2%
* 2 : 22 – 14.3%
* 3 : 9 – 5.9%
* 4 : 9 – 5.9%
* 5 : 9 – 5.9%
* 6 : 3 – 2%

1. **Outcome of asthma control :**

* Controlled : 88 – 57.5%
* Partly controlled : 65 – 42.5%

1. **Relationship:**

**4.1. Cat:** Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 11 54 | 65 0.1692

Controls | 13 75 | 88 0.1477

-----------------+------------------------+------------------------

Total | 24 129 | 153 0.1569

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | 1.175214 | .4397085 3.085997 (exact)

Attr. frac. ex. | .1490909 | -1.274234 .6759556 (exact)

Attr. frac. pop | .0252308 |

+-------------------------------------------------

chi2(1) = 0.13 Pr>chi2 = 0.7177

**4.2. Dog:**

Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 17 48 | 65 0.2615

Controls | 27 61 | 88 0.3068

-----------------+------------------------+------------------------

Total | 44 109 | 153 0.2876

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | .8001543 | .3644791 1.72927 (exact)

Prev. frac. ex. | .1998457 | -.7292699 .6355209 (exact)

Prev. frac. pop | .0613163 |

+-------------------------------------------------

chi2(1) = 0.37 Pr>chi2 = 0.5408

**4.3. Mold:**

Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 11 54 | 65 0.1692

Controls | 16 72 | 88 0.1818

-----------------+------------------------+------------------------

Total | 27 126 | 153 0.1765

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | .9166667 | .3540845 2.301484 (exact)

Prev. frac. ex. | .0833333 | -1.301484 .6459155 (exact)

Prev. frac. pop | .0151515 |

+-------------------------------------------------

chi2(1) = 0.04 Pr>chi2 = 0.8400

**4.4. Cockroach:**

Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 15 50 | 65 0.2308

Controls | 19 69 | 88 0.2159

-----------------+------------------------+------------------------

Total | 34 119 | 153 0.2222

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | 1.089474 | .4658117 2.511832 (exact)

Attr. frac. ex. | .0821256 | -1.14679 .6018842 (exact)

Attr. frac. pop | .0189521 |

+-------------------------------------------------

chi2(1) = 0.05 Pr>chi2 = 0.8270

**4.5. Mouse:**

Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 13 52 | 65 0.2000

Controls | 14 74 | 88 0.1591

-----------------+------------------------+------------------------

Total | 27 126 | 153 0.1765

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | 1.321429 | .523085 3.30929 (exact)

Attr. frac. ex. | .2432432 | -.9117353 .6978203 (exact)

Attr. frac. pop | .0486486 |

+-------------------------------------------------

chi2(1) = 0.43 Pr>chi2 = 0.5117

**4.6. Dust mite:**

Proportion

| Exposed Unexposed | Total Exposed

-----------------+------------------------+------------------------

Cases | 21 44 | 65 0.3231

Controls | 30 58 | 88 0.3409

-----------------+------------------------+------------------------

Total | 51 102 | 153 0.3333

| |

| Point estimate | [95% Conf. Interval]

|------------------------+------------------------

Odds ratio | .9227273 | .4392233 1.92293 (exact)

Prev. frac. ex. | .0772727 | -.92293 .5607767 (exact)

Prev. frac. pop | .026343 |

+-------------------------------------------------

chi2(1) = 0.05 Pr>chi2 = 0.8171