

## Appendix A – Base papers used for search space counting

### RowID 1 – BAMSE Cohort

Nordling, E., Berglind, N., Melen, E., Emenius, G., Hallberg, J., Nyberg, F., Pershagen, G., Svartengren, M., Wickman, M., & Bellander, T. (2008). Traffic-related air pollution and childhood respiratory symptoms, function and allergies. *Epidemiology*, 19, 401–408. <https://doi.org/10.1097/EDE.0b013e31816a1ce3>

### RowID 2 – British Columbia Cohort

Clark, N. A., Demers, P. A., Karr, C. J., Koehoorn, M., Lencar, C., Tamburic, L., & Brauer, M. (2010). Effect of early life exposure to air pollution on development of childhood asthma. *Environmental Health Perspectives*, 118, 284–290. <https://doi.org/10.1289/ehp.0900916>

### RowID 3 – CHS Cohort

Jerrett, M., Shankardass, K., Berhane, K., Gauderman, W. J., Kunzli, N., Avol, E., Gilliland, F., Lurmann, F., Molitor, J. N., Molitor, J. T., Thomas, D. C., Peters, J., & McConnell, R. (2008). Traffic-related air pollution and asthma onset in children: a prospective cohort study with individual exposure measurement. *Environmental Health Perspectives*, 116, 1433–1438. <https://doi.org/10.1289/ehp.10968>

### RowID 4 – CHS Cohort

McConnell, R., Berhane, K., Gilliland, F., London, S. J., Islam, T., Gauderman, W. J., Avol, E., Margolis, H. G., & Peters, J. M. (2002). Asthma in exercising children exposed to ozone: a cohort study. *Lancet*, 359, 386–391. [https://doi.org/10.1016/S0140-6736\(02\)07597-9](https://doi.org/10.1016/S0140-6736(02)07597-9)

### RowID 5 – CHS 2003 Cohort

McConnell, R., Islam, T., Shankardass, K., Jerrett, M., Lurmann, F., Gilliland, F., Gauderman, J., Avol, E., Kunzli, N., Yao, L., Peters, J., & Berhane, K. (2010). Childhood incident asthma and traffic-related air pollution at home and school. *Environmental Health Perspectives*, 118, 1021–1026. <https://doi.org/10.1289/ehp.0901232>

### RowID 6 – CHIBA Cohort

Shima, M., & Adachi, M. (2000). Effect of outdoor and indoor nitrogen dioxide on respiratory symptoms in schoolchildren. *International Journal of Epidemiology*, 29, 862–870. <https://doi.org/10.1093/ije/29.5.862>

### RowID 7 – CHIBA Cohort

Shima, M., Nitta, Y., Ando, M., & Adachi, M. (2002). Effects of air pollution on the prevalence and incidence of asthma in children. *Archives of Environmental Health*, 57, 529–535. <https://doi.org/10.1080/00039890209602084>

### RowID 8 – CHIBA Cohort

Shima, M., Nitta, Y., & Adachi, M. (2003). Traffic-related air pollution and respiratory symptoms in children living along trunk roads in Chiba Prefecture, Japan. *Journal of Epidemiology*, 13, 108–119. <https://doi.org/10.2188/jea.13.108>

### RowID 9 – ECRHS Cohort

Jacquemin, B., Sunyer, J., Forsberg, B., Aguilera, I., Briggs, D., Garcia-Esteban, R., Gotschi, T., Heinrich, J., Jarvholm, B., Jarvis, D., Vienneau, D., & Kunzli, N. (2009). Home outdoor NO<sub>2</sub> and new onset of self-reported asthma in adults. *Epidemiology*, 20, 119–126. <https://doi.org/10.1097/EDE.0b013e3181886e76>

### RowID 10 – GINIplus + LISAPLUS Cohort

Kramer, U., Sugiri, D., Ranft, U., Krutmann, J., von Berg, A., Berdel, D., Behrendt, H., Kuhlbusch, T., Hochadel, M., Wichmann, H. E., & Heinrich, J. (2009). Eczema, respiratory allergies, and traffic-related air pollution in birth cohorts from small-town areas. *Journal of Dermatological Science*, 56, 99–105. <https://doi.org/10.1016/j.jdermsci.2009.07.014>

**RowID 11 – MISSEB Cohort**

Clougherty, J. E., Levy, J. I., Kubzansky, L. D., Ryan, P. B., Suglia, S. F., Canner, M. J., & Wright, R. J. (2007). Synergistic effects of traffic-related air pollution and exposure to violence on urban asthma etiology. *Environmental Health Perspectives*, 115, 1140–1146. <https://doi.org/10.1289/ehp.9863>

**RowID 12 – OLIN Cohort**

Modig, L., Jarvholm, B., Ronnmark, E., Nystrom, L., Lundback, B., Andersson, C., & Forsberg, B. (2006). Vehicle exhaust exposure in an incident case-control study of adult asthma. *European Respiratory Journal*, 28, 75–81. <https://doi.org/10.1183/09031936.06.00071505>

**RowID 13 – OSLO Cohort**

Oftedal, B., Nystad, W., Brunekreef, B., & Nafstad, P. (2009). Long-term traffic-related exposures and asthma onset in schoolchildren in Oslo, Norway. *Environmental Health Perspectives*, 117, 839–844. <https://doi.org/10.1289/ehp.11491>

**RowID 14 – PIAMA Cohort**

Brauer, M., Hoek, G., Smit, H. A., de Jongste, J. C., Gerritsen, J., Postma, D. S., Kerkhof, M., & Brunekreef, B. (2007). Air pollution and development of asthma, allergy and infections in a birth cohort. *European Respiratory Journal*, 29, 879–888. <https://doi.org/10.1183/09031936.00083406>

**RowID 15 – PIAMA Cohort**

Gehring, U., Wijga, A. H., Brauer, M., Fischer, P., de Jongste, J. C., Kerkhof, M., Oldenwening, M., Smit, H. A., & Brunekreef, B. (2010). Traffic related air pollution and the development of asthma and allergies during the first 8 years of life. *American Journal of Respiratory and Critical Care Medicine*, 181, 596–603. <https://doi.org/10.1164/rccm.200906-0858OC>

**RowID 16 – RHINE Cohort**

Modig, L., Toren, K., Janson, C., Jarvholm, B., & Forsberg, B. (2009). Vehicle exhaust outside the home and onset of asthma among adults. *European Respiratory Journal*, 33, 1261–1267. <https://doi.org/10.1183/09031936.00101108>

**RowID 17 – TRACPA Cohort**

Gehring, U., Cyrus, J., Sedlmeir, G., Brunekreef, B., Bellander, T., Fischer, P., Bauer, C. P., Reinhardt, D., Wichmann, H. E., & Heinrich, J. (2002). Traffic-related air pollution and respiratory health during the first 2 yrs of life. *European Respiratory Journal*, 19, 690–698. <https://doi.org/10.1183/09031936.02.01182001>

**RowID 18 – TRACPA Cohort**

Morgenstern, V., Zutavern, A., Cyrus, J., Brockow, I., Gehring, U., Koletzko, S., Bauer, C. P., Reinhardt, D., Wichmann, H. E., & Heinrich, J. (2007). Respiratory health and individual estimated exposure to traffic related air pollutants in a cohort of young children. *Occupational and Environmental Medicine*, 64, 8–16. <https://doi.org/10.1136/oem.2006.028241>

**RowID 19 – AHSMOG Cohort**

McDonnell, W. F., Abbey, D. E., Nishino, N., & Lebowitz, M. D. (1999). Longterm ambient ozone concentration and the incidence of asthma in nonsmoking adults: the AHSMOG study. *Environmental Research*, 80, 110–121. <https://doi.org/10.1006/enrs.1998.3894>