**Appendix C**. Rate Ratios (RR) and 95% Confidence Intervals (CI) of acute leukaemia incidence (0-14 yrs) by commune for the 20km proximity area around the nuclear site of Mol-Dessel (2002-2008).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of commune** | **Centroid at x km** | **Observed number of cases** | **Person-years at risk** | **RR\*** | **95%CI\*** |
|  |  |  |  |  |  |
| Mol | 3 | # | 35237 | 1.41 | [0.37; 5.41] |
| Dessel | 4 | # | 10185 | **6.81** | **[2.28; 20.32]** |
| Retie | 6 | # | 12296 | 3.74 | [0.98; 14.27] |
| Balen | 9 | # | 22287 | 1.05 | [0.16; 7.00] |
| Geel | 10 | # | 36657 | 1.34 | [0.35; 5.14] |
| Kasterlee | 10 | # | 21608 | 1.16 | [0.17; 7.73] |
| Meerhout | 10 | # | 9401 | 0.00 | [0.00; .] |
| Arendonk | 12 | # | 15273 | **4.39** | **[1.46; 13.17]** |
| Ham | 14 | # | 10866 | 0.00 | [0.00; .] |
| Oud-Turnhout | 14 | # | 14221 | 1.89 | [0.28; 2.65] |
| Laakdal | 16 | # | 15731 | 1.54 | [0.23; 10.28] |
| Leopolds-burg | 16 | # | 15687 | 0.00 | [0.00; .] |
| Lommel | 16 | # | 37446 | 0.61 | [0.09; 4.07] |
| Olen | 16 | # | 12662 | 0.00 | [0.00; .] |
| Turnhout | 16 | # | 41182 | 0.00 | [0.00; .] |
| Tessenderlo | 18 | # | 18784 | 0.00 | [0.00; .] |
| Vosselaar | 18 | # | 12242 | 0.00 | [0.00; .] |
| Lille | 19 | # | 18749 | 0.00 | [0.00; .] |
| Westerlo | 19 | # | 25372 | 0.00 | [0.00; .] |
| Beringen | 20 | # | 51001 | 1.72 | [0.66; 4.46] |
| Herentals | 20 | # | 27015 | 0.00 | [0.00; .] |

\* Corrected for age, sex, and socio-economic status (SES) and 95%CI accommodated for overdispersion.

# Observed number of cases below 5. For privacy reasons, only numbers greater than or equal to 5 are reported.