

## USA, Michigan, Detroit (1993-2012)

|                                    | Number of cases |     |     |       |       |      |      | Percentage |       |       |       | Incidence rates per million person-years |       |       |       |       |            |       |      | MV<br>%<br>0-19 | DCO<br>%<br>0-19 |      |
|------------------------------------|-----------------|-----|-----|-------|-------|------|------|------------|-------|-------|-------|--|-------|-------|-------|-------|------------|-------|------|-----------------|------------------|------|
|                                    | Age group       |     |     |       |       |      |      | 0-14       |       | 0-19  |       | Age-specific                             |       |       |       |       | Cumulative |       |      |                 |                  |      |
|                                    | 0               | 1-4 | 5-9 | 10-14 | 15-19 | 0-14 | 0-19 | All        | Group | All   | Group | 0  | 1-4   | 5-9   | 10-14 | 15-19 | 0-14       | ASR   | 0-19 |                 |                  | 0-14 |
| <b>I LEUKAEMIA</b>                 | 56              | 352 | 187 | 155   | 134   | 750  | 884  | 29.4       | 100.0 | 23.4  | 100.0 | 53.2                                     | 80.8  | 32.7  | 26.6  | 24.7  | 47.5       | 42.3  | 673  | 797             | 98.5             | 0.1  |
| a. Lymphoid                        | 16              | 290 | 158 | 95    | 62    | 559  | 621  | 21.9       | 74.5  | 16.5  | 70.2  | 15.2                                     | 66.6  | 27.6  | 16.3  | 11.4  | 35.5       | 30.1  | 502  | 560             | 99.7             | 0.0  |
| b. Acute myeloid                   | 24              | 39  | 18  | 39    | 39    | 120  | 159  | 4.7        | 16.0  | 4.2   | 18.0  | 22.8                                     | 9.0   | 3.1   | 6.7   | 7.2   | 7.5        | 7.4   | 107  | 143             | 98.7             | 0.6  |
| c. CMD                             | 2               | 6   | 2   | 8     | 21    | 18   | 39   | 0.7        | 2.4   | 1.0   | 4.4   | 1.9                                      | 1.4   | 0.3   | 1.4   | 3.9   | 1.1        | 1.7   | 16   | 35              | 89.7             | 0.0  |
| d. MDS & other                     | 7               | 7   | 2   | 6     | 7     | 22   | 29   | 0.9        | 2.9   | 0.8   | 3.3   | 6.7                                      | 1.6   | 0.3   | 1.0   | 1.3   | 1.4        | 1.4   | 20   | 26              | 89.7             | 0.0  |
| e. Unspecified                     | 7               | 10  | 7   | 7     | 5     | 31   | 36   | 1.2        | 4.1   | 1.0   | 4.1   | 6.7                                      | 2.3   | 1.2   | 1.2   | 0.9   | 2.0        | 1.7   | 28   | 32              | 94.4             | 0.0  |
| <b>II LYMPHOMA &amp; RELATED</b>   | 6               | 50  | 76  | 161   | 319   | 293  | 612  | 11.5       | 100.0 | 16.2  | 100.0 | 5.7                                      | 11.5  | 13.3  | 27.6  | 58.9  | 16.3       | 25.9  | 256  | 551             | 99.2             | 0.0  |
| a. Hodgkin                         | 0               | 3   | 18  | 84    | 214   | 105  | 319  | 4.1        | 35.8  | 8.5   | 52.1  | -  | 0.7   | 3.1   | 14.4  | 39.5  | 5.4        | 13.1  | 90   | 288             | 100.0            | 0.0  |
| b. Non-Hodgkin except BL           | 1               | 28  | 30  | 52    | 87    | 111  | 198  | 4.3        | 37.9  | 5.2   | 32.4  | 1.0                                      | 6.4   | 5.2   | 8.9   | 16.1  | 6.4        | 8.5   | 98   | 178             | 99.0             | 0.0  |
| c. Burkitt (BL)                    | 0               | 7   | 17  | 13    | 11    | 37   | 48   | 1.4        | 12.6  | 1.3   | 7.8   | -  | 1.6   | 3.0   | 2.2   | 2.0   | 2.1        | 2.1   | 32   | 43              | 100.0            | 0.0  |
| d. Lymphoreticular                 | 5               | 9   | 5   | 5     | 4     | 24   | 28   | 0.9        | 8.2   | 0.7   | 4.6   | 4.8                                      | 2.1   | 0.9   | 0.9   | 0.7   | 1.5        | 1.4   | 22   | 25              | 92.9             | 0.0  |
| e. Unspecified                     | 0               | 3   | 6   | 7     | 3     | 16   | 19   | 0.6        | 5.5   | 0.5   | 3.1   | -  | 0.7   | 1.0   | 1.2   | 0.6   | 0.9        | 0.8   | 14   | 17              | 94.7             | 0.0  |
| <b>III CNS NEOPLASMS</b>           | 28              | 174 | 171 | 167   | 118   | 540  | 658  | 21.2       | 100.0 | 17.4  | 100.0 | 26.6                                     | 39.9  | 29.9  | 28.6  | 21.8  | 32.4       | 30.0  | 479  | 588             | 90.9             | 0.3  |
| a. Ependymoma                      | 3               | 21  | 10  | 14    | 9     | 48   | 57   | 1.9        | 8.9   | 1.5   | 8.7   | 2.9                                      | 4.8   | 1.7   | 2.4   | 1.7   | 3.0        | 2.7   | 43   | 51              | 96.5             | 1.8  |
| b. Astrocytoma                     | 13              | 72  | 82  | 94    | 56    | 261  | 317  | 10.2       | 48.3  | 8.4   | 48.2  | 12.4                                     | 16.5  | 14.3  | 16.1  | 10.3  | 15.4       | 14.3  | 231  | 283             | 92.7             | 0.0  |
| c. CNS embryonal                   | 4               | 56  | 41  | 28    | 24    | 129  | 153  | 5.1        | 23.9  | 4.1   | 23.3  | 3.8                                      | 12.9  | 7.2   | 4.8   | 4.4   | 8.0        | 7.2   | 115  | 137             | 100.0            | 0.0  |
| d. Other gliomas                   | 4               | 21  | 31  | 27    | 24    | 83   | 107  | 3.3        | 15.4  | 2.8   | 16.3  | 3.8                                      | 4.8   | 5.4   | 4.6   | 4.4   | 4.9        | 4.8   | 73   | 96              | 69.2             | 0.0  |
| e. Other specified                 | 1               | 4   | 4   | 2     | 4     | 11   | 15   | 0.4        | 2.0   | 0.4   | 2.3   | 1.0                                      | 0.9   | 0.7   | 0.3   | 0.7   | 0.7        | 0.7   | 10   | 14              | 100.0            | 0.0  |
| f. Unspecified CNS                 | 3               | 0   | 3   | 2     | 1     | 8    | 9    | 0.3        | 1.5   | 0.2   | 1.4   | 2.9                                      | -     | 0.5   | 0.3   | 0.2   | 0.5        | 0.4   | 7    | 8               | 77.8             | 11.1 |
| <b>IV NEUROBLASTOMA</b>            | 66              | 127 | 26  | 10    | 9     | 229  | 238  | 9.0        | 100.0 | 6.3   | 100.0 | 62.7                                     | 29.1  | 4.5   | 1.7   | 1.7   | 15.8       | 12.6  | 210  | 218             | 98.3             | 0.0  |
| a. (Ganglio)neuroblastoma          | 66              | 126 | 26  | 10    | 4     | 228  | 232  | 8.9        | 99.6  | 6.2   | 97.5  | 62.7                                     | 28.9  | 4.5   | 1.7   | 0.7   | 15.7       | 12.3  | 209  | 212             | 98.3             | 0.0  |
| b. Peripheral nervous              | 0               | 1   | 0   | 0     | 5     | 1    | 6    | 0.0        | 0.4   | 0.2   | 2.5   | -  | 0.2   | -     | -     | 0.9   | 0.1        | 0.3   | 1    | 6               | 100.0            | 0.0  |
| <b>V RETINOBLASTOMA</b>            | 30              | 41  | 3   | 1     | 0     | 75   | 75   | 2.9        | 100.0 | 2.0   | 100.0 | 28.5                                     | 9.4   | 0.5   | 0.2   | -     | 5.3        | 4.1   | 69   | 69              | 96.0             | 0.0  |
| <b>VI RENAL TUMOURS</b>            | 21              | 95  | 36  | 10    | 11    | 162  | 173  | 6.3        | 100.0 | 4.6   | 100.0 | 20.0                                     | 21.8  | 6.3   | 1.7   | 2.0   | 10.8       | 8.8   | 147  | 157             | 100.0            | 0.0  |
| a. Nephroblastoma                  | 21              | 94  | 33  | 6     | 1     | 154  | 155  | 6.0        | 95.1  | 4.1   | 89.6  | 20.0                                     | 21.6  | 5.8   | 1.0   | 0.2   | 10.4       | 8.1   | 140  | 141             | 100.0            | 0.0  |
| b. Renal carcinoma                 | 0               | 1   | 3   | 4     | 10    | 8    | 18   | 0.3        | 4.9   | 0.5   | 10.4  | -  | 0.2   | 0.5   | 0.7   | 1.8   | 0.4        | 0.8   | 7    | 16              | 100.0            | 0.0  |
| c. Unspecified                     | 0               | 0   | 0   | 0     | 0     | 0    | 0    | -          | -     | -     | -     | -  | -     | -     | -     | -     | -          | -     | -    | -               | -                | -    |
| <b>VII HEPATIC TUMOURS</b>         | 17              | 14  | 5   | 4     | 3     | 40   | 43   | 1.6        | 100.0 | 1.1   | 100.0 | 16.2                                     | 3.2   | 0.9   | 0.7   | 0.6   | 2.7        | 2.2   | 36   | 39              | 100.0            | 0.0  |
| a. Hepatoblastoma                  | 16              | 13  | 3   | 1     | 0     | 33   | 33   | 1.3        | 82.5  | 0.9   | 76.7  | 15.2                                     | 3.0   | 0.5   | 0.2   | -     | 2.3        | 1.8   | 30   | 30              | 100.0            | 0.0  |
| b. Hepatic carcinoma               | 0               | 0   | 2   | 3     | 3     | 5    | 8    | 0.2        | 12.5  | 0.2   | 18.6  | -  | -     | 0.3   | 0.5   | 0.6   | 0.3        | 0.3   | 4    | 7               | 100.0            | 0.0  |
| c. Unspecified                     | 1               | 1   | 0   | 0     | 0     | 2    | 2    | 0.1        | 5.0   | 0.1   | 4.7   | 1.0                                      | 0.2   | -     | -     | -     | 0.1        | 0.1   | 2    | 2               | 100.0            | 0.0  |
| <b>VIII BONE TUMOURS</b>           | 1               | 2   | 20  | 63    | 92    | 86   | 178  | 3.4        | 100.0 | 4.7   | 100.0 | 1.0                                      | 0.5   | 3.5   | 10.8  | 17.0  | 4.5        | 7.3   | 74   | 159             | 99.4             | 0.0  |
| a. Osteosarcoma                    | 0               | 0   | 14  | 41    | 58    | 55   | 113  | 2.2        | 64.0  | 3.0   | 63.5  | -  | -     | 2.4   | 7.0   | 10.7  | 2.8        | 4.6   | 47   | 101             | 100.0            | 0.0  |
| b. Chondrosarcoma                  | 0               | 0   | 1   | 4     | 5     | 5    | 10   | 0.2        | 5.8   | 0.3   | 5.6   | -  | -     | 0.2   | 0.7   | 0.9   | 0.3        | 0.4   | 4    | 9               | 90.0             | 0.0  |
| c. Ewing & related                 | 0               | 2   | 5   | 15    | 22    | 22   | 44   | 0.9        | 25.6  | 1.2   | 24.7  | -  | 0.5   | 0.9   | 2.6   | 4.1   | 1.2        | 1.8   | 19   | 39              | 100.0            | 0.0  |
| d. Other specified                 | 1               | 0   | 0   | 2     | 6     | 3    | 9    | 0.1        | 3.5   | 0.2   | 5.1   | 1.0                                      | -     | -     | 0.3   | 1.1   | 0.2        | 0.4   | 3    | 8               | 100.0            | 0.0  |
| e. Unspecified                     | 0               | 0   | 0   | 1     | 1     | 1    | 2    | 0.0        | 1.2   | 0.1   | 1.1   | -  | -     | -     | 0.2   | 0.2   | 0.0        | 0.1   | 1    | 2               | 100.0            | 0.0  |
| <b>IX SOFT TISSUE SARCOMA</b>      | 21              | 44  | 45  | 74    | 95    | 184  | 279  | 7.2        | 100.0 | 7.4   | 100.0 | 20.0                                     | 10.1  | 7.9   | 12.7  | 17.5  | 10.9       | 12.4  | 163  | 251             | 99.3             | 0.0  |
| a. Rhabdomyosarcoma                | 10              | 32  | 27  | 19    | 23    | 88   | 111  | 3.4        | 47.8  | 2.9   | 39.8  | 9.5                                      | 7.3   | 4.7   | 3.3   | 4.2   | 5.5        | 5.2   | 79   | 100             | 99.1             | 0.0  |
| b. Fibrosarcoma                    | 4               | 3   | 3   | 11    | 9     | 21   | 30   | 0.8        | 11.4  | 0.8   | 10.8  | 3.8                                      | 0.7   | 0.5   | 1.9   | 1.7   | 1.2        | 1.3   | 19   | 27              | 100.0            | 0.0  |
| c. Kaposi sarcoma                  | 0               | 0   | 0   | 0     | 0     | 0    | 0    | -          | -     | -     | -     | -  | -     | -     | -     | -     | -          | -     | -    | -               | -                | -    |
| d. Other specified                 | 5               | 8   | 13  | 34    | 50    | 60   | 110  | 2.4        | 32.6  | 2.9   | 39.4  | 4.8                                      | 1.8   | 2.3   | 5.8   | 9.2   | 3.4        | 4.7   | 53   | 99              | 99.1             | 0.0  |
| e. Unspecified                     | 2               | 1   | 2   | 10    | 13    | 15   | 28   | 0.6        | 8.2   | 0.7   | 10.0  | 1.9                                      | 0.2   | 0.3   | 1.7   | 2.4   | 0.8        | 1.2   | 13   | 25              | 100.0            | 0.0  |
| <b>X GERM CELL TUMOURS</b>         | 26              | 16  | 9   | 40    | 152   | 91   | 243  | 3.6        | 100.0 | 6.4   | 100.0 | 24.7                                     | 3.7   | 1.6   | 6.9   | 28.1  | 5.5        | 10.6  | 81   | 221             | 97.5             | 0.0  |
| a. CNS germ cell                   | 2               | 1   | 3   | 15    | 14    | 21   | 35   | 0.8        | 23.1  | 0.9   | 14.4  | 1.9                                      | 0.2   | 0.5   | 2.6   | 2.6   | 1.1        | 1.5   | 18   | 31              | 97.1             | 0.0  |
| b. Other extragonadal              | 20              | 8   | 0   | 2     | 12    | 30   | 42   | 1.2        | 33.0  | 1.1   | 17.3  | 19.0                                     | 1.8   | -     | 0.3   | 2.2   | 2.1        | 2.1   | 28   | 39              | 95.2             | 0.0  |
| c. Gonadal germ cell               | 4               | 6   | 6   | 20    | 113   | 36   | 149  | 1.4        | 39.6  | 4.0   | 61.3  | 3.8                                      | 1.4   | 1.0   | 3.4   | 20.9  | 2.0        | 6.3   | 32   | 136             | 99.3             | 0.0  |
| d. Gonadal carcinoma               | 0               | 0   | 0   | 2     | 8     | 2    | 10   | 0.1        | 2.2   | 0.3   | 4.1   | -  | -     | -     | 0.3   | 1.5   | 0.1        | 0.4   | 2    | 9               | 80.0             | 0.0  |
| e. Unspecified gonadal             | 0               | 1   | 0   | 1     | 5     | 2    | 7    | 0.1        | 2.2   | 0.2   | 2.9   | -  | 0.2   | -     | 0.2   | 0.9   | 0.1        | 0.3   | 2    | 6               | 100.0            | 0.0  |
| <b>XI CARCINOMA &amp; MELANOMA</b> | 1               | 12  | 20  | 67    | 275   | 100  | 375  | 3.9        | 100.0 | 9.9   | 100.0 | 1.0                                      | 2.8   | 3.5   | 11.5  | 50.8  | 5.4        | 15.6  | 87   | 341             | 98.9             | 0.0  |
| a. Adrenocortical                  | 0               | 4   | 2   | 1     | 1     | 7    | 8    | 0.3        | 7.0   | 0.2   | 2.1   | -  | 0.9   | 0.3   | 0.2   | 0.2   | 0.4        | 0.4   | 6    | 7               | 100.0            | 0.0  |
| b. Thyroid                         | 0               | 0   | 9   | 29    | 93    | 38   | 131  | 1.5        | 38.0  | 3.5   | 34.9  | -  | -     | 1.6   | 5.0   | 17.2  | 2.0        | 5.4   | 33   | 119             | 100.0            | 0.0  |
| c. Nasopharyngeal                  | 0               | 0   | 0   | 4     | 6     | 4    | 10   | 0.2        | 4.0   | 0.3   | 2.7   | -  | -     | -     | 0.7   | 1.1   | 0.2        | 0.4   | 3    | 9               | 100.0            | 0.0  |
| d. Melanoma                        | 0               | 7   | 6   | 15    | 84    | 28   | 112  | 1.1        | 28.0  | 3.0   | 29.9  | -  | 1.6   | 1.0   | 2.6   | 15.5  | 1.6        | 4.7   | 25   | 102             | 100.0            | 0.0  |
| e. Skin carcinoma                  | 0               | 0   | 0   | 1     | 2     | 1    | 3    | 0.0        | 1.0   | 0.1   | 0.8   | -  | -     | -     | 0.2   | 0.4   | 0.0        | 0.1   | 1    | 3               | 100.0            | 0.0  |
| f. Other & unspecified             | 1               | 1   | 3   | 17    | 89    | 22   | 111  | 0.9        | 22.0  | 2.9   | 29.6  | 1.0                                      | 0.2   | 0.5   | 2.9   | 16.4  | 1.2        | 4.6   | 19   | 101             | 96.4             | 0.0  |
| <b>XII OTHER &amp; UNSPECIFIED</b> | 2               | 0   | 1   | 0     | 11    | 3    | 14   | 0.1        | 100.0 | 0.4   | 100.0 | 1.9                                      | -     | 0.2   | -     | 2.0   | 0.2        | 0.6   | 3    | 13              | 85.7             | 7.1  |
| a. Other specified                 | 1               | 0   | 0   | 0     | 2     | 1    | 3    | 0.0        | 33.3  | 0.1   | 21.4  | 1.0                                      | -     | -     | -     | 0.4   | 0.1        | 0.1   | 1    | 3               | 100.0            | 0.0  |
| b. Other unspecified               | 1               | 0   | 1   | 0     | 9     | 2    | 11   | 0.1        | 66.7  | 0.3   | 78.6  | 1.0                                      | -     | 0.2   | -     | 1.7   | 0.1        | 0.5   | 2    | 10              | 81.8             | 9.1  |
| <b>TOTAL</b>                       | 275             | 927 | 599 | 752   | 1219  | 2553 | 3772 | 100.0      | 100.0 | 100.0 | 100.0 | 261.3                                    | 212.7 | 104.8 | 128.9 | 225.1 | 157.2      | 172.5 | 2279 | 3405            | 97.3             | 0.1  |

Please consult the quality indicators for this registry

## USA, Michigan, Detroit (1993-2012)

|                                    | Males                         |     |     |       |       |                 |      |       |       |     | M/F ratio |      | Females                       |     |       |       |      |                 |       |       |  |  |
|------------------------------------|-------------------------------|-----|-----|-------|-------|-----------------|------|-------|-------|-----|-----------|------|-------------------------------|-----|-------|-------|------|-----------------|-------|-------|--|--|
|                                    | Number of cases in age groups |     |     |       |       | ASR per million |      |       |       |     | 0-14      | 0-19 | Number of cases in age groups |     |       |       |      | ASR per million |       |       |  |  |
|                                    | 0                             | 1-4 | 5-9 | 10-14 | 15-19 | 0-14            | 0-19 | 0-14  | 0-19  | 0   |           |      | 1-4                           | 5-9 | 10-14 | 15-19 | 0-14 | 0-19            | 0-14  | 0-19  |  |  |
| <b>I LEUKAEMIA</b>                 | 37                            | 197 | 102 | 85    | 71    | 421             | 492  | 52.3  | 46.3  | 1.3 | 1.3       | 19   | 155                           | 85  | 70    | 63    | 329  | 392             | 42.4  | 38.3  |  |  |
| a. Lymphoid                        | 8                             | 164 | 87  | 50    | 37    | 309             | 346  | 38.5  | 32.9  | 1.2 | 1.3       | 8    | 126                           | 71  | 45    | 25    | 250  | 275             | 32.4  | 27.2  |  |  |
| b. Acute myeloid                   | 18                            | 19  | 11  | 23    | 19    | 71              | 90   | 8.6   | 8.2   | 1.4 | 1.3       | 6    | 20                            | 7   | 16    | 20    | 49   | 69              | 6.2   | 6.5   |  |  |
| c. CMD                             | 2                             | 4   | 2   | 6     | 9     | 14              | 23   | 1.6   | 2.0   | 3.5 | 1.4       | 0    | 2                             | 0   | 2     | 12    | 4    | 16              | 0.5   | 1.4   |  |  |
| d. MDS & other                     | 4                             | 3   | 0   | 2     | 4     | 9               | 13   | 1.2   | 1.2   | 0.7 | 0.8       | 3    | 4                             | 2   | 4     | 3     | 13   | 16              | 1.7   | 1.5   |  |  |
| e. Unspecified                     | 5                             | 7   | 2   | 4     | 2     | 18              | 20   | 2.3   | 1.9   | 1.4 | 1.3       | 2    | 3                             | 5   | 3     | 3     | 13   | 16              | 1.6   | 1.5   |  |  |
| <b>II LYMPHOMA &amp; RELATED</b>   | 4                             | 34  | 54  | 97    | 166   | 189             | 355  | 20.7  | 29.5  | 1.8 | 1.4       | 2    | 16                            | 22  | 64    | 153   | 104  | 257             | 11.7  | 22.1  |  |  |
| a. Hodgkin                         | 0                             | 3   | 9   | 44    | 97    | 56              | 153  | 5.7   | 12.3  | 1.1 | 0.9       | 0    | 0                             | 9   | 40    | 117   | 49   | 166             | 5.1   | 13.9  |  |  |
| b. Non-Hodgkin except BL           | 0                             | 16  | 20  | 37    | 57    | 73              | 130  | 8.0   | 10.9  | 1.9 | 1.9       | 1    | 12                            | 10  | 15    | 30    | 38   | 68              | 4.6   | 6.1   |  |  |
| c. Burkitt (BL)                    | 0                             | 7   | 15  | 9     | 8     | 31              | 39   | 3.5   | 3.4   | 5.2 | 4.3       | 0    | 0                             | 2   | 4     | 3     | 6    | 9               | 0.6   | 0.8   |  |  |
| d. Lymphoreticular                 | 4                             | 6   | 4   | 2     | 3     | 16              | 19   | 2.0   | 1.8   | 2.0 | 2.1       | 1    | 3                             | 1   | 3     | 1     | 8    | 9               | 1.0   | 0.9   |  |  |
| e. Unspecified                     | 0                             | 2   | 6   | 5     | 1     | 13              | 14   | 1.4   | 1.2   | 4.3 | 2.8       | 0    | 1                             | 0   | 2     | 2     | 3    | 5               | 0.3   | 0.4   |  |  |
| <b>III CNS NEOPLASMS</b>           | 17                            | 91  | 98  | 92    | 60    | 298             | 358  | 34.9  | 31.9  | 1.2 | 1.2       | 11   | 83                            | 73  | 75    | 58    | 242  | 300             | 29.8  | 28.1  |  |  |
| a. Ependymoma                      | 2                             | 15  | 5   | 8     | 4     | 30              | 34   | 3.7   | 3.2   | 1.7 | 1.5       | 1    | 6                             | 5   | 6     | 5     | 18   | 23              | 2.2   | 2.1   |  |  |
| b. Astrocytoma                     | 7                             | 36  | 47  | 45    | 30    | 135             | 165  | 15.6  | 14.5  | 1.1 | 1.1       | 6    | 36                            | 35  | 49    | 26    | 126  | 152             | 15.2  | 14.0  |  |  |
| c. CNS embryonal                   | 3                             | 30  | 25  | 19    | 10    | 77              | 87   | 9.2   | 8.0   | 1.5 | 1.3       | 1    | 26                            | 16  | 9     | 14    | 52   | 66              | 6.7   | 6.4   |  |  |
| d. Other gliomas                   | 2                             | 8   | 17  | 18    | 13    | 45              | 58   | 5.0   | 4.9   | 1.2 | 1.2       | 2    | 13                            | 14  | 9     | 11    | 38   | 49              | 4.7   | 4.6   |  |  |
| e. Other specified                 | 1                             | 2   | 3   | 1     | 2     | 7               | 9    | 0.8   | 0.8   | 1.8 | 1.5       | 0    | 2                             | 1   | 1     | 2     | 4    | 6               | 0.5   | 0.6   |  |  |
| f. Unspecified CNS                 | 2                             | 0   | 1   | 1     | 1     | 4               | 5    | 0.5   | 0.5   | 1.0 | 1.3       | 1    | 0                             | 2   | 1     | 0     | 4    | 4               | 0.5   | 0.4   |  |  |
| <b>IV NEUROBLASTOMA</b>            | 29                            | 61  | 11  | 5     | 6     | 106             | 112  | 14.3  | 11.6  | 0.9 | 0.9       | 37   | 66                            | 15  | 5     | 3     | 123  | 126             | 17.3  | 13.7  |  |  |
| a. (Ganglio)neuroblastoma          | 29                            | 60  | 11  | 5     | 2     | 105             | 107  | 14.2  | 11.1  | 0.9 | 0.9       | 37   | 66                            | 15  | 5     | 2     | 123  | 125             | 17.3  | 13.6  |  |  |
| b. Peripheral nervous              | 0                             | 1   | 0   | 0     | 4     | 1               | 5    | 0.1   | 0.4   | -   | 5.0       | 0    | 0                             | 0   | 0     | 1     | 0    | 1               | -     | 0.1   |  |  |
| <b>V RETINOBLASTOMA</b>            | 18                            | 29  | 1   | 0     | 0     | 48              | 48   | 6.7   | 5.2   | 1.8 | 1.8       | 12   | 12                            | 2   | 1     | 0     | 27   | 27              | 3.8   | 3.0   |  |  |
| <b>VI RENAL TUMOURS</b>            | 11                            | 40  | 11  | 6     | 4     | 68              | 72   | 8.9   | 7.2   | 0.7 | 0.7       | 10   | 55                            | 25  | 4     | 7     | 94   | 101             | 12.8  | 10.5  |  |  |
| a. Nephroblastoma                  | 11                            | 39  | 11  | 4     | 0     | 65              | 65   | 8.6   | 6.7   | 0.7 | 0.7       | 10   | 55                            | 22  | 2     | 1     | 89   | 90              | 12.3  | 9.6   |  |  |
| b. Renal carcinoma                 | 0                             | 1   | 0   | 2     | 4     | 3               | 7    | 0.3   | 0.6   | 0.6 | 0.6       | 0    | 0                             | 3   | 2     | 6     | 5    | 11              | 0.6   | 0.9   |  |  |
| c. Unspecified                     | 0                             | 0   | 0   | 0     | 0     | 0               | 0    | -     | -     | -   | -         | 0    | 0                             | 0   | 0     | 0     | 0    | 0               | -     | -     |  |  |
| <b>VII HEPATIC TUMOURS</b>         | 9                             | 7   | 4   | 3     | 2     | 23              | 25   | 3.0   | 2.5   | 1.4 | 1.4       | 8    | 7                             | 1   | 1     | 1     | 17   | 18              | 2.4   | 2.0   |  |  |
| a. Hepatoblastoma                  | 9                             | 7   | 3   | 0     | 0     | 19              | 19   | 2.6   | 2.0   | 1.4 | 1.4       | 7    | 6                             | 0   | 1     | 0     | 14   | 14              | 2.0   | 1.6   |  |  |
| b. Hepatic carcinoma               | 0                             | 0   | 1   | 3     | 2     | 4               | 6    | 0.4   | 0.5   | 4.0 | 3.0       | 0    | 0                             | 1   | 0     | 1     | 1    | 2               | 0.1   | 0.2   |  |  |
| c. Unspecified                     | 0                             | 0   | 0   | 0     | 0     | 0               | 0    | -     | -     | 0.0 | 0.0       | 1    | 1                             | 0   | 0     | 0     | 2    | 2               | 0.3   | 0.2   |  |  |
| <b>VIII BONE TUMOURS</b>           | 1                             | 2   | 9   | 40    | 62    | 52              | 114  | 5.3   | 9.1   | 1.5 | 1.8       | 0    | 0                             | 11  | 23    | 30    | 34   | 64              | 3.6   | 5.4   |  |  |
| a. Osteosarcoma                    | 0                             | 0   | 7   | 22    | 38    | 29              | 67   | 2.9   | 5.3   | 1.1 | 1.5       | 0    | 0                             | 7   | 19    | 20    | 26   | 46              | 2.7   | 3.8   |  |  |
| b. Chondrosarcoma                  | 0                             | 0   | 0   | 4     | 4     | 4               | 8    | 0.4   | 0.6   | 4.0 | 4.0       | 0    | 0                             | 1   | 0     | 1     | 1    | 2               | 0.1   | 0.2   |  |  |
| c. Ewing & related                 | 0                             | 2   | 2   | 13    | 17    | 17              | 34   | 1.8   | 2.7   | 3.4 | 3.4       | 0    | 0                             | 3   | 2     | 5     | 5    | 10              | 0.6   | 0.9   |  |  |
| d. Other specified                 | 1                             | 0   | 0   | 1     | 2     | 2               | 4    | 0.2   | 0.3   | 2.0 | 0.8       | 0    | 0                             | 0   | 1     | 4     | 1    | 5               | 0.1   | 0.4   |  |  |
| e. Unspecified                     | 0                             | 0   | 0   | 0     | 1     | 0               | 1    | -     | 0.1   | 0.0 | 1.0       | 0    | 0                             | 0   | 1     | 0     | 1    | 1               | 0.1   | 0.1   |  |  |
| <b>IX SOFT TISSUE SARCOMA</b>      | 12                            | 27  | 29  | 37    | 54    | 105             | 159  | 12.3  | 13.9  | 1.3 | 1.3       | 9    | 17                            | 16  | 37    | 41    | 79   | 120             | 9.4   | 10.8  |  |  |
| a. Rhabdomyosarcoma                | 5                             | 19  | 18  | 10    | 18    | 52              | 70   | 6.3   | 6.4   | 1.4 | 1.7       | 5    | 13                            | 9   | 9     | 5     | 36   | 41              | 4.6   | 4.0   |  |  |
| b. Fibrosarcoma                    | 2                             | 2   | 2   | 4     | 4     | 10              | 14   | 1.2   | 1.2   | 0.9 | 0.9       | 2    | 1                             | 1   | 7     | 5     | 11   | 16              | 1.3   | 1.4   |  |  |
| c. Kaposi sarcoma                  | 0                             | 0   | 0   | 0     | 0     | 0               | 0    | -     | -     | -   | -         | 0    | 0                             | 0   | 0     | 0     | 0    | 0               | -     | -     |  |  |
| d. Other specified                 | 5                             | 5   | 9   | 17    | 27    | 36              | 63   | 4.0   | 5.3   | 1.5 | 1.3       | 0    | 3                             | 4   | 17    | 23    | 24   | 47              | 2.6   | 4.0   |  |  |
| e. Unspecified                     | 0                             | 1   | 0   | 6     | 5     | 7               | 12   | 0.7   | 1.0   | 0.9 | 0.8       | 2    | 0                             | 2   | 4     | 8     | 8    | 16              | 0.9   | 1.4   |  |  |
| <b>X GERM CELL TUMOURS</b>         | 12                            | 7   | 4   | 15    | 98    | 38              | 136  | 4.6   | 11.5  | 0.7 | 1.3       | 14   | 9                             | 5   | 25    | 54    | 53   | 107             | 6.5   | 9.6   |  |  |
| a. CNS germ cell                   | 0                             | 0   | 2   | 13    | 11    | 15              | 26   | 1.5   | 2.0   | 2.5 | 2.9       | 2    | 1                             | 1   | 2     | 3     | 6    | 9               | 0.8   | 0.8   |  |  |
| b. Other extragonadal              | 8                             | 2   | 0   | 0     | 2     | 10              | 12   | 1.4   | 1.2   | 0.5 | 0.4       | 12   | 6                             | 0   | 2     | 10    | 20   | 30              | 2.8   | 3.1   |  |  |
| c. Gonadal germ cell               | 4                             | 4   | 2   | 2     | 84    | 12              | 96   | 1.5   | 8.0   | 0.5 | 1.8       | 0    | 2                             | 4   | 18    | 29    | 24   | 53              | 2.6   | 4.5   |  |  |
| d. Gonadal carcinoma               | 0                             | 0   | 0   | 0     | 0     | 0               | 0    | -     | -     | 0.0 | 0.0       | 0    | 0                             | 0   | 2     | 8     | 2    | 10              | 0.2   | 0.8   |  |  |
| e. Unspecified gonadal             | 0                             | 1   | 0   | 0     | 1     | 1               | 2    | 0.1   | 0.2   | 1.0 | 0.4       | 0    | 0                             | 0   | 1     | 4     | 1    | 5               | 0.1   | 0.4   |  |  |
| <b>XI CARCINOMA &amp; MELANOMA</b> | 0                             | 9   | 7   | 22    | 82    | 38              | 120  | 4.2   | 9.9   | 0.6 | 0.5       | 1    | 3                             | 13  | 45    | 193   | 62   | 255             | 6.7   | 21.6  |  |  |
| a. Adrenocortical                  | 0                             | 3   | 0   | 0     | 1     | 3               | 4    | 0.4   | 0.4   | 0.8 | 1.0       | 0    | 1                             | 2   | 1     | 0     | 4    | 4               | 0.5   | 0.4   |  |  |
| b. Thyroid                         | 0                             | 0   | 3   | 6     | 15    | 9               | 24   | 0.9   | 1.9   | 0.3 | 0.2       | 0    | 0                             | 6   | 23    | 78    | 29   | 107             | 3.0   | 9.0   |  |  |
| c. Nasopharyngeal                  | 0                             | 0   | 0   | 4     | 4     | 4               | 8    | 0.4   | 0.6   | -   | 4.0       | 0    | 0                             | 0   | 0     | 2     | 0    | 2               | -     | 0.2   |  |  |
| d. Melanoma                        | 0                             | 5   | 4   | 4     | 26    | 13              | 39   | 1.5   | 3.3   | 0.9 | 0.5       | 0    | 2                             | 2   | 11    | 58    | 15   | 73              | 1.6   | 6.2   |  |  |
| e. Skin carcinoma                  | 0                             | 0   | 0   | 0     | 2     | 0               | 2    | -     | 0.2   | 0.0 | 2.0       | 0    | 0                             | 0   | 1     | 0     | 1    | 1               | 0.1   | 0.1   |  |  |
| f. Other & unspecified             | 0                             | 1   | 0   | 8     | 34    | 9               | 43   | 0.9   | 3.5   | 0.7 | 0.6       | 1    | 0                             | 3   | 9     | 55    | 13   | 68              | 1.4   | 5.8   |  |  |
| <b>XII OTHER &amp; UNSPECIFIED</b> | 1                             | 0   | 1   | 0     | 5     | 2               | 7    | 0.3   | 0.6   | 2.0 | 1.0       | 1    | 0                             | 0   | 0     | 6     | 1    | 7               | 0.1   | 0.6   |  |  |
| a. Other specified                 | 1                             | 0   | 0   | 0     | 1     | 1               | 2    | 0.1   | 0.2   | -   | 2.0       | 0    | 0                             | 0   | 0     | 1     | 0    | 1               | -     | 0.1   |  |  |
| b. Other unspecified               | 0                             | 0   | 1   | 0     | 4     | 1               | 5    | 0.1   | 0.4   | 1.0 | 0.8       | 1    | 0                             | 0   | 0     | 5     | 1    | 6               | 0.1   | 0.5   |  |  |
| <b>TOTAL</b>                       | 151                           | 504 | 331 | 402   | 610   | 1388            | 1998 | 167.3 | 179.1 | 1.2 | 1.1       | 124  | 423                           | 268 | 350   | 609   | 1165 | 1774            | 146.7 | 165.6 |  |  |

Please consult the quality indicators for this registry

## USA, Michigan, Detroit (1993-2012)

|                           | Age group | Males      | Females    |
|---------------------------|-----------|------------|------------|
| Person-years              | 0         | 538 016    | 514 485    |
|                           | 1-4       | 2 227 004  | 2 130 327  |
|                           | 5-9       | 2 926 527  | 2 789 577  |
|                           | 10-14     | 2 983 432  | 2 851 437  |
|                           | 15-19     | 2 778 755  | 2 637 032  |
| Total                     | 0-14      | 8 674 979  | 8 285 826  |
|                           | 0-19      | 11 453 734 | 10 922 858 |
| Average annual population | 0-14      | 433 749    | 414 291    |
|                           | 0-19      | 572 687    | 546 143    |

Please consult the quality indicators for this registry