

## USA, SEER 18, NH White (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       | 0-19  |                 |                  | 0-14  | 0-19 |
| <b>I LEUKAEMIA</b>                 | 420             | 3384 | 1836 | 1334  | 1446  | 6974  | 8420  | 30.3       | 100.0 | 24.1  | 100.0 | 47.8                                     | 95.0  | 40.0  | 27.4  | 29.6  | 54.0       | 48.5  | 765             | 913              | 97.7  | 0.1  |
| a. Lymphoid                        | 161             | 2908 | 1532 | 897   | 729   | 5498  | 6227  | 23.9       | 78.8  | 17.8  | 74.0  | 18.3                                     | 81.6  | 33.4  | 18.4  | 14.9  | 42.9       | 36.6  | 604             | 679              | 98.7  | 0.1  |
| b. Acute myeloid                   | 162             | 346  | 204  | 305   | 475   | 1017  | 1492  | 4.4        | 14.6  | 4.3   | 17.7  | 18.4                                     | 9.7   | 4.4   | 6.3   | 9.7   | 7.7        | 8.1   | 111             | 159              | 98.9  | 0.2  |
| c. CMD                             | 30              | 30   | 30   | 78    | 158   | 168   | 326   | 0.7        | 2.4   | 0.9   | 3.9   | 3.4                                      | 0.8   | 0.7   | 1.6   | 3.2   | 1.2        | 1.7   | 18              | 34               | 82.2  | 0.3  |
| d. MDS & other                     | 45              | 57   | 33   | 25    | 48    | 160   | 208   | 0.7        | 2.3   | 0.6   | 2.5   | 5.1                                      | 1.6   | 0.7   | 0.5   | 1.0   | 1.3        | 1.2   | 18              | 23               | 93.8  | 0.5  |
| e. Unspecified                     | 22              | 43   | 37   | 29    | 36    | 131   | 167   | 0.6        | 1.9   | 0.5   | 2.0   | 2.5                                      | 1.2   | 0.8   | 0.6   | 0.7   | 1.0        | 0.9   | 14              | 18               | 87.4  | 0.6  |
| <b>II LYMPHOMA &amp; RELATED</b>   | 64              | 346  | 688  | 1293  | 2902  | 2391  | 5293  | 10.4       | 100.0 | 15.2  | 100.0 | 7.3                                      | 9.7   | 15.0  | 26.6  | 59.4  | 16.1       | 25.9  | 254             | 551              | 99.0  | 0.0  |
| a. Hodgkin                         | 1               | 27   | 168  | 628   | 1920  | 824   | 2744  | 3.6        | 34.5  | 7.9   | 51.8  | 0.1                                      | 0.8   | 3.7   | 12.9  | 39.3  | 5.2        | 12.8  | 86              | 282              | 99.7  | 0.0  |
| b. Non-Hodgkin except BL           | 9               | 155  | 278  | 441   | 781   | 883   | 1664  | 3.8        | 36.9  | 4.8   | 31.4  | 1.0                                      | 4.4   | 6.1   | 9.1   | 16.0  | 6.0        | 8.3   | 94              | 174              | 98.9  | 0.0  |
| c. Burkitt (BL)                    | 1               | 69   | 182  | 170   | 137   | 422   | 559   | 1.8        | 17.6  | 1.6   | 10.6  | 0.1                                      | 1.9   | 4.0   | 3.5   | 2.8   | 2.9        | 2.9   | 45              | 59               | 99.8  | 0.0  |
| d. Lymphoreticular                 | 53              | 91   | 46   | 43    | 33    | 233   | 266   | 1.0        | 9.7   | 0.8   | 5.0   | 6.0                                      | 2.6   | 1.0   | 0.9   | 0.7   | 1.8        | 1.6   | 26              | 29               | 94.4  | 0.0  |
| e. Unspecified                     | 0               | 4    | 14   | 11    | 31    | 29    | 60    | 0.1        | 1.2   | 0.2   | 1.1   | -  | 0.1   | 0.3   | 0.2   | 0.6   | 0.2        | 0.3   | 3               | 6                | 81.7  | 0.0  |
| <b>III CNS NEOPLASMS</b>           | 324             | 1742 | 1733 | 1504  | 1215  | 5303  | 6518  | 23.0       | 100.0 | 18.7  | 100.0 | 36.9                                     | 48.9  | 37.7  | 30.9  | 24.9  | 39.1       | 35.9  | 576             | 700              | 83.8  | 0.2  |
| a. Ependymoma                      | 50              | 196  | 83   | 94    | 83    | 423   | 506   | 1.8        | 8.0   | 1.4   | 7.8   | 5.7                                      | 5.5   | 1.8   | 1.9   | 1.7   | 3.3        | 2.9   | 46              | 55               | 98.4  | 0.0  |
| b. Astrocytoma                     | 122             | 837  | 873  | 869   | 669   | 2701  | 3370  | 11.7       | 50.9  | 9.7   | 51.7  | 13.9                                     | 23.5  | 19.0  | 17.9  | 13.7  | 19.7       | 18.3  | 292             | 361              | 87.4  | 0.1  |
| c. CNS embryonal                   | 109             | 465  | 399  | 241   | 169   | 1214  | 1383  | 5.3        | 22.9  | 4.0   | 21.2  | 12.4                                     | 13.1  | 8.7   | 5.0   | 3.5   | 9.2        | 7.9   | 133             | 150              | 99.2  | 0.1  |
| d. Other gliomas                   | 27              | 200  | 350  | 263   | 255   | 840   | 1095  | 3.6        | 15.8  | 3.1   | 16.8  | 3.1                                      | 5.6   | 7.6   | 5.4   | 5.2   | 6.0        | 5.8   | 91              | 117              | 48.0  | 0.4  |
| e. Other specified                 | 6               | 27   | 20   | 19    | 23    | 72    | 95    | 0.3        | 1.4   | 0.3   | 1.5   | 0.7                                      | 0.8   | 0.4   | 0.4   | 0.5   | 0.5        | 0.5   | 8               | 10               | 96.8  | 0.0  |
| f. Unspecified CNS                 | 10              | 17   | 8    | 18    | 16    | 53    | 69    | 0.2        | 1.0   | 0.2   | 1.1   | 1.1                                      | 0.5   | 0.2   | 0.4   | 0.3   | 0.4        | 0.4   | 6               | 7                | 43.5  | 13.0 |
| <b>IV NEUROBLASTOMA</b>            | 612             | 866  | 202  | 70    | 45    | 1750  | 1795  | 7.6        | 100.0 | 5.1   | 100.0 | 69.6                                     | 24.3  | 4.4   | 1.4   | 0.9   | 14.7       | 11.6  | 196             | 200              | 97.8  | 0.1  |
| a. (Ganglio)neuroblastoma          | 610             | 862  | 198  | 59    | 23    | 1729  | 1752  | 7.5        | 98.8  | 5.0   | 97.6  | 69.4                                     | 24.2  | 4.3   | 1.2   | 0.5   | 14.6       | 11.4  | 193             | 196              | 97.8  | 0.1  |
| b. Peripheral nervous              | 2               | 4    | 4    | 11    | 22    | 21    | 43    | 0.1        | 1.2   | 0.1   | 2.4   | 0.2                                      | 0.1   | 0.1   | 0.2   | 0.5   | 0.1        | 0.2   | 2               | 4                | 100.0 | 0.0  |
| <b>V RETINOBLASTOMA</b>            | 240             | 284  | 19   | 2     | 1     | 545   | 546   | 2.4        | 100.0 | 1.6   | 100.0 | 27.3                                     | 8.0   | 0.4   | 0.0   | 0.0   | 4.7        | 3.7   | 61              | 61               | 78.8  | 0.0  |
| <b>VI RENAL TUMOURS</b>            | 155             | 770  | 260  | 61    | 79    | 1246  | 1325  | 5.4        | 100.0 | 3.8   | 100.0 | 17.6                                     | 21.6  | 5.7   | 1.3   | 1.6   | 10.3       | 8.3   | 139             | 147              | 99.3  | 0.0  |
| a. Nephroblastoma                  | 153             | 765  | 243  | 36    | 18    | 1197  | 1215  | 5.2        | 96.1  | 3.5   | 91.7  | 17.4                                     | 21.5  | 5.3   | 0.7   | 0.4   | 9.9        | 7.8   | 133             | 135              | 99.3  | 0.0  |
| b. Renal carcinoma                 | 2               | 4    | 16   | 25    | 61    | 47    | 108   | 0.2        | 3.8   | 0.3   | 8.2   | 0.2                                      | 0.1   | 0.3   | 0.5   | 1.2   | 0.3        | 0.5   | 5               | 11               | 99.1  | 0.0  |
| c. Unspecified                     | 0               | 1    | 1    | 0     | 0     | 2     | 2     | 0.0        | 0.2   | 0.0   | 0.2   | -  | 0.0   | 0.0   | -     | -     | 0.0        | 0.0   | 0               | 0                | 100.0 | 0.0  |
| <b>VII HEPATIC TUMOURS</b>         | 97              | 185  | 43   | 41    | 59    | 366   | 425   | 1.6        | 100.0 | 1.2   | 100.0 | 11.0                                     | 5.2   | 0.9   | 0.8   | 1.2   | 3.0        | 2.6   | 41              | 47               | 96.7  | 0.5  |
| a. Hepatoblastoma                  | 94              | 180  | 29   | 13    | 6     | 316   | 322   | 1.4        | 86.3  | 0.9   | 75.8  | 10.7                                     | 5.1   | 0.6   | 0.3   | 0.1   | 2.7        | 2.1   | 35              | 36               | 97.2  | 0.3  |
| b. Hepatic carcinoma               | 2               | 5    | 13   | 28    | 53    | 48    | 101   | 0.2        | 13.1  | 0.3   | 23.8  | 0.2                                      | 0.1   | 0.3   | 0.6   | 1.1   | 0.3        | 0.5   | 5               | 11               | 95.0  | 1.0  |
| c. Unspecified                     | 1               | 0    | 1    | 0     | 0     | 2     | 2     | 0.0        | 0.5   | 0.0   | 0.5   | 0.1                                      | -     | 0.0   | -     | -     | 0.0        | 0.0   | 0               | 0                | 100.0 | 0.0  |
| <b>VIII BONE TUMOURS</b>           | 8               | 61   | 275  | 687   | 782   | 1031  | 1813  | 4.5        | 100.0 | 5.2   | 100.0 | 0.9                                      | 1.7   | 6.0   | 14.1  | 16.0  | 6.6        | 8.7   | 108             | 188              | 98.7  | 0.1  |
| a. Osteosarcoma                    | 1               | 16   | 120  | 380   | 398   | 517   | 915   | 2.2        | 50.1  | 2.6   | 50.5  | 0.1                                      | 0.4   | 2.6   | 7.8   | 8.1   | 3.3        | 4.4   | 54              | 95               | 99.0  | 0.0  |
| b. Chondrosarcoma                  | 0               | 0    | 6    | 30    | 53    | 36    | 89    | 0.2        | 3.5   | 0.3   | 4.9   | -  | -     | 0.1   | 0.6   | 1.1   | 0.2        | 0.4   | 4               | 9                | 97.8  | 0.0  |
| c. Ewing & related                 | 3               | 39   | 134  | 250   | 271   | 426   | 697   | 1.9        | 41.3  | 2.0   | 38.4  | 0.3                                      | 1.1   | 2.9   | 5.1   | 5.5   | 2.8        | 3.4   | 45              | 73               | 99.6  | 0.0  |
| d. Other specified                 | 2               | 5    | 12   | 21    | 45    | 40    | 85    | 0.2        | 3.9   | 0.2   | 4.7   | 0.2                                      | 0.1   | 0.3   | 0.4   | 0.9   | 0.3        | 0.4   | 4               | 9                | 97.6  | 0.0  |
| e. Unspecified                     | 2               | 1    | 3    | 6     | 15    | 12    | 27    | 0.1        | 1.2   | 0.1   | 1.5   | 0.2                                      | 0.0   | 0.1   | 0.1   | 0.3   | 0.1        | 0.1   | 1               | 3                | 70.4  | 7.4  |
| <b>IX SOFT TISSUE SARCOMA</b>      | 156             | 414  | 381  | 571   | 793   | 1522  | 2315  | 6.6        | 100.0 | 6.6   | 100.0 | 17.8                                     | 11.6  | 8.3   | 11.7  | 16.2  | 11.0       | 12.2  | 164             | 245              | 99.6  | 0.0  |
| a. Rhabdomyosarcoma                | 49              | 295  | 206  | 183   | 180   | 733   | 913   | 3.2        | 48.2  | 2.6   | 39.4  | 5.6                                      | 8.3   | 4.5   | 3.8   | 3.7   | 5.5        | 5.1   | 80              | 98               | 99.8  | 0.0  |
| b. Fibrosarcoma                    | 51              | 25   | 27   | 48    | 88    | 151   | 239   | 0.7        | 9.9   | 0.7   | 10.3  | 5.8                                      | 0.7   | 0.6   | 1.0   | 1.8   | 1.1        | 1.3   | 16              | 25               | 99.6  | 0.0  |
| c. Kaposi sarcoma                  | 0               | 0    | 1    | 0     | 2     | 1     | 3     | 0.0        | 0.1   | 0.0   | 0.1   | -  | -     | 0.0   | -     | 0.0   | 0.0        | 0.0   | 0               | 0                | 100.0 | 0.0  |
| d. Other specified                 | 42              | 68   | 123  | 272   | 442   | 505   | 947   | 2.2        | 33.2  | 2.7   | 40.9  | 4.8                                      | 1.9   | 2.7   | 5.6   | 9.0   | 3.4        | 4.7   | 54              | 99               | 99.5  | 0.0  |
| e. Unspecified                     | 14              | 26   | 24   | 68    | 81    | 132   | 213   | 0.6        | 8.7   | 0.6   | 9.2   | 1.6                                      | 0.7   | 0.5   | 1.4   | 1.7   | 0.9        | 1.1   | 14              | 22               | 99.1  | 0.0  |
| <b>X GERM CELL TUMOURS</b>         | 179             | 129  | 112  | 328   | 1473  | 748   | 2221  | 3.2        | 100.0 | 6.4   | 100.0 | 20.4                                     | 3.6   | 2.4   | 6.7   | 30.2  | 5.4        | 11.0  | 81              | 231              | 97.5  | 0.0  |
| a. CNS germ cell                   | 25              | 8    | 61   | 128   | 124   | 222   | 346   | 1.0        | 29.7  | 1.0   | 15.6  | 2.8                                      | 0.2   | 1.3   | 2.6   | 2.5   | 1.5        | 1.7   | 24              | 36               | 88.7  | 0.0  |
| b. Other extragonadal              | 121             | 66   | 4    | 18    | 60    | 209   | 269   | 0.9        | 27.9  | 0.8   | 12.1  | 13.8                                     | 1.9   | 0.1   | 0.4   | 1.2   | 1.8        | 1.6   | 23              | 29               | 97.8  | 0.0  |
| c. Gonadal germ cell               | 31              | 54   | 45   | 165   | 1210  | 295   | 1505  | 1.3        | 39.4  | 4.3   | 67.8  | 3.5                                      | 1.5   | 1.0   | 3.4   | 24.8  | 2.0        | 7.2   | 31              | 155              | 99.7  | 0.0  |
| d. Gonadal carcinoma               | 0               | 0    | 0    | 10    | 67    | 10    | 77    | 0.0        | 1.3   | 0.2   | 3.5   | -  | -     | -     | 0.2   | 1.4   | 0.1        | 0.4   | 1               | 8                | 93.5  | 1.3  |
| e. Unspecified gonadal             | 2               | 1    | 2    | 7     | 12    | 12    | 24    | 0.1        | 1.6   | 0.1   | 1.1   | 0.2                                      | 0.0   | 0.0   | 0.1   | 0.2   | 0.1        | 0.1   | 1               | 3                | 100.0 | 0.0  |
| <b>XI CARCINOMA &amp; MELANOMA</b> | 21              | 75   | 199  | 771   | 3047  | 1066  | 4113  | 4.6        | 100.0 | 11.8  | 100.0 | 2.4                                      | 2.1   | 4.3   | 15.8  | 62.4  | 6.8        | 19.3  | 112             | 424              | 99.5  | 0.0  |
| a. Adrenocortical                  | 7               | 12   | 9    | 10    | 17    | 38    | 55    | 0.2        | 3.6   | 0.2   | 1.3   | 0.8                                      | 0.3   | 0.2   | 0.2   | 0.3   | 0.3        | 0.3   | 4               | 6                | 100.0 | 0.0  |
| b. Thyroid                         | 2               | 10   | 62   | 302   | 1214  | 376   | 1590  | 1.6        | 35.3  | 4.6   | 38.7  | 0.2                                      | 0.3   | 1.3   | 6.2   | 24.9  | 2.3        | 7.4   | 39              | 163              | 99.7  | 0.1  |
| c. Nasopharyngeal                  | 0               | 0    | 1    | 17    | 36    | 18    | 54    | 0.1        | 1.7   | 0.2   | 1.3   | -  | -     | 0.0   | 0.3   | 0.7   | 0.1        | 0.2   | 2               | 6                | 100.0 | 0.0  |
| d. Melanoma                        | 7               | 44   | 88   | 252   | 1197  | 391   | 1588  | 1.7        | 36.7  | 4.5   | 38.6  | 0.8                                      | 1.2   | 1.9   | 5.2   | 24.5  | 2.6        | 7.5   | 41              | 164              | 99.5  | 0.0  |
| e. Skin carcinoma                  | 0               | 0    | 1    | 6     | 13    | 7     | 20    | 0.0        | 0.7   | 0.1   | 0.5   | -  | -     | 0.0   | 0.1   | 0.3   | 0.0        | 0.1   | 1               | 2                | 100.0 | 0.0  |
| f. Other & unspecified             | 5               | 9    | 38   | 184   | 570   | 236   | 806   | 1.0        | 22.1  | 2.3   | 19.6  | 0.6                                      | 0.3   | 0.8   | 3.8   | 11.7  | 1.5        | 3.8   | 25              | 83               | 99.1  | 0.1  |
| <b>XII OTHER &amp; UNSPECIFIED</b> | 14              | 30   | 14   | 20    | 54    | 78    | 132   | 0.3        | 100.0 | 0.4   | 100.0 | 1.6                                      | 0.8   | 0.3   | 0.4   | 1.1   | 0.6        | 0.7   | 9               | 14               | 81.8  | 9.1  |
| a. Other specified                 | 8               | 21   | 4    | 12    | 28    | 45    | 73    | 0.2        | 57.7  | 0.2   | 55.3  | 0.9                                      | 0.6   | 0.1   | 0.2   | 0.6   | 0.4        | 0.4   | 5               | 8                | 100.0 | 0.0  |
| b. Other unspecified               | 6               | 9    | 10   | 8     | 26    | 33    | 59    | 0.1        | 42.3  | 0.2   | 44.7  | 0.7                                      | 0.3   | 0.2   | 0.2   | 0.5   | 0.2        | 0.3   | 4               | 6                | 59.3  | 20.3 |
| <b>TOTAL</b>                       | 2290            | 8286 | 5762 | 6682  | 11896 | 23020 | 34916 | 100.0      | 100.0 | 100.0 | 100.0 | 260.6                                    | 232.6 | 125.5 | 137.3 | 243.5 | 172.5      | 188.5 | 2504            | 3722             | 95.4  | 0.1  |

Please consult the quality indicators for the constituent registries

## USA, SEER 18, NH White (1993-2012)

|                                    | Males                         |      |      |       |       |       |       |                 |       |      | M/F ratio |      | Females                       |      |      |       |       |       |       |                 |      |      |      |      |
|------------------------------------|-------------------------------|------|------|-------|-------|-------|-------|-----------------|-------|------|-----------|------|-------------------------------|------|------|-------|-------|-------|-------|-----------------|------|------|------|------|
|                                    | Number of cases in age groups |      |      |       |       |       |       |                 |       |      | 0-14      | 0-19 | Number of cases in age groups |      |      |       |       |       |       |                 |      |      | 0-14 | 0-19 |
|                                    | 0                             | 1-4  | 5-9  | 10-14 | 15-19 | 0-14  | 0-19  | ASR per million | 0-14  | 0-19 |           |      | 0                             | 1-4  | 5-9  | 10-14 | 15-19 | 0-14  | 0-19  | ASR per million | 0-14 | 0-19 |      |      |
| <b>I LEUKAEMIA</b>                 | 224                           | 1810 | 1033 | 761   | 857   | 3828  | 4685  | 57.6            | 52.3  | 1.2  | 1.3       | 196  | 1574                          | 803  | 573  | 589   | 3146  | 3735  | 50.3  | 44.5            |      |      |      |      |
| a. Lymphoid                        | 77                            | 1565 | 866  | 515   | 494   | 3023  | 3517  | 45.7            | 39.9  | 1.2  | 1.3       | 84   | 1343                          | 666  | 382  | 235   | 2475  | 2710  | 39.8  | 33.1            |      |      |      |      |
| b. Acute myeloid                   | 87                            | 179  | 111  | 173   | 246   | 550   | 796   | 8.1             | 8.4   | 1.2  | 1.1       | 75   | 167                           | 93   | 132  | 229   | 467   | 696   | 7.3   | 7.8             |      |      |      |      |
| c. CMD                             | 16                            | 17   | 14   | 44    | 76    | 91    | 167   | 1.3             | 1.7   | 1.2  | 1.1       | 14   | 13                            | 16   | 34   | 82    | 77    | 159   | 1.1   | 1.7             |      |      |      |      |
| d. MDS & other                     | 30                            | 30   | 18   | 14    | 20    | 92    | 112   | 1.4             | 1.3   | 1.4  | 1.2       | 15   | 27                            | 15   | 11   | 28    | 68    | 96    | 1.1   | 1.1             |      |      |      |      |
| e. Unspecified                     | 14                            | 19   | 24   | 15    | 21    | 72    | 93    | 1.1             | 1.0   | 1.2  | 1.3       | 8    | 24                            | 13   | 14   | 15    | 59    | 74    | 0.9   | 0.9             |      |      |      |      |
| <b>II LYMPHOMA &amp; RELATED</b>   | 41                            | 233  | 483  | 785   | 1581  | 1542  | 3123  | 20.4            | 30.0  | 1.8  | 1.4       | 23   | 113                           | 205  | 508  | 1321  | 849   | 2170  | 11.6  | 21.5            |      |      |      |      |
| a. Hodgkin                         | 0                             | 21   | 112  | 327   | 921   | 460   | 1381  | 5.7             | 12.7  | 1.3  | 1.0       | 1    | 6                             | 56   | 301  | 999   | 364   | 1363  | 4.6   | 13.1            |      |      |      |      |
| b. Non-Hodgkin except BL           | 4                             | 105  | 179  | 275   | 508   | 563   | 1071  | 7.5             | 10.4  | 1.8  | 1.8       | 5    | 50                            | 99   | 166  | 273   | 320   | 593   | 4.4   | 6.0             |      |      |      |      |
| c. Burkitt (BL)                    | 1                             | 52   | 156  | 148   | 109   | 357   | 466   | 4.8             | 4.7   | 5.5  | 5.0       | 0    | 17                            | 26   | 22   | 28    | 65    | 93    | 0.9   | 1.0             |      |      |      |      |
| d. Lymphoreticular                 | 36                            | 52   | 25   | 26    | 22    | 139   | 161   | 2.1             | 1.9   | 1.5  | 1.5       | 17   | 39                            | 21   | 17   | 11    | 94    | 105   | 1.5   | 1.3             |      |      |      |      |
| e. Unspecified                     | 0                             | 3    | 11   | 9     | 21    | 23    | 44    | 0.3             | 0.4   | 3.8  | 2.8       | 0    | 1                             | 3    | 2    | 10    | 6     | 16    | 0.1   | 0.2             |      |      |      |      |
| <b>III CNS NEOPLASMS</b>           | 186                           | 962  | 950  | 806   | 689   | 2904  | 3593  | 41.9            | 38.6  | 1.2  | 1.2       | 138  | 780                           | 783  | 698  | 526   | 2399  | 2925  | 36.3  | 33.1            |      |      |      |      |
| a. Ependymoma                      | 34                            | 109  | 42   | 54    | 48    | 239   | 287   | 3.6             | 3.2   | 1.3  | 1.3       | 16   | 87                            | 41   | 40   | 35    | 184   | 219   | 2.9   | 2.6             |      |      |      |      |
| b. Astrocytoma                     | 68                            | 443  | 444  | 450   | 371   | 1405  | 1776  | 20.0            | 18.8  | 1.1  | 1.1       | 54   | 394                           | 429  | 419  | 298   | 1296  | 1594  | 19.3  | 17.8            |      |      |      |      |
| c. CNS embryonal                   | 61                            | 284  | 266  | 152   | 102   | 763   | 865   | 11.3            | 9.6   | 1.7  | 1.7       | 48   | 181                           | 133  | 89   | 67    | 451   | 518   | 7.1   | 6.1             |      |      |      |      |
| d. Other gliomas                   | 13                            | 98   | 181  | 131   | 144   | 423   | 567   | 5.9             | 5.9   | 1.0  | 1.1       | 14   | 102                           | 169  | 132  | 111   | 417   | 528   | 6.1   | 5.8             |      |      |      |      |
| e. Other specified                 | 4                             | 17   | 15   | 9     | 14    | 45    | 59    | 0.7             | 0.6   | 1.7  | 1.6       | 2    | 10                            | 5    | 10   | 9     | 27    | 36    | 0.4   | 0.4             |      |      |      |      |
| f. Unspecified CNS                 | 6                             | 11   | 2    | 10    | 10    | 29    | 39    | 0.4             | 0.4   | 1.2  | 1.3       | 4    | 6                             | 6    | 8    | 6     | 24    | 30    | 0.4   | 0.3             |      |      |      |      |
| <b>IV NEUROBLASTOMA</b>            | 318                           | 461  | 113  | 33    | 24    | 925   | 949   | 15.2            | 12.0  | 1.1  | 1.1       | 294  | 405                           | 89   | 37   | 21    | 825   | 846   | 14.2  | 11.2            |      |      |      |      |
| a. (Ganglio)neuroblastoma          | 318                           | 460  | 112  | 29    | 15    | 919   | 934   | 15.1            | 11.8  | 1.1  | 1.1       | 292  | 402                           | 86   | 30   | 8     | 810   | 818   | 14.0  | 10.9            |      |      |      |      |
| b. Peripheral nervous              | 0                             | 1    | 1    | 4     | 9     | 6     | 15    | 0.1             | 0.1   | 0.4  | 0.5       | 2    | 3                             | 3    | 7    | 13    | 15    | 28    | 0.2   | 0.3             |      |      |      |      |
| <b>V RETINOBLASTOMA</b>            | 118                           | 154  | 11   | 0     | 0     | 283   | 283   | 4.8             | 3.7   | 1.1  | 1.1       | 122  | 130                           | 8    | 2    | 1     | 262   | 263   | 4.6   | 3.6             |      |      |      |      |
| <b>VI RENAL TUMOURS</b>            | 89                            | 393  | 110  | 27    | 31    | 619   | 650   | 10.0            | 8.0   | 1.0  | 1.0       | 66   | 377                           | 150  | 34   | 48    | 627   | 675   | 10.5  | 8.6             |      |      |      |      |
| a. Nephroblastoma                  | 88                            | 391  | 105  | 18    | 4     | 602   | 606   | 9.8             | 7.6   | 1.0  | 1.0       | 65   | 374                           | 138  | 18   | 14    | 595   | 609   | 10.1  | 7.9             |      |      |      |      |
| b. Renal carcinoma                 | 1                             | 2    | 5    | 9     | 27    | 17    | 44    | 0.2             | 0.4   | 0.6  | 0.7       | 1    | 2                             | 11   | 16   | 34    | 30    | 64    | 0.4   | 0.6             |      |      |      |      |
| c. Unspecified                     | 0                             | 0    | 0    | 0     | 0     | 0     | 0     | -               | -     | 0.0  | 0.0       | 0    | 1                             | 1    | 0    | 0     | 2     | 2     | 0.0   | 0.0             |      |      |      |      |
| <b>VII HEPATIC TUMOURS</b>         | 57                            | 112  | 25   | 22    | 35    | 216   | 251   | 3.5             | 3.0   | 1.4  | 1.4       | 40   | 73                            | 18   | 19   | 24    | 150   | 174   | 2.5   | 2.2             |      |      |      |      |
| a. Hepatoblastoma                  | 56                            | 109  | 17   | 6     | 4     | 188   | 192   | 3.1             | 2.4   | 1.5  | 1.5       | 38   | 71                            | 12   | 7    | 2     | 128   | 130   | 2.2   | 1.7             |      |      |      |      |
| b. Hepatic carcinoma               | 1                             | 3    | 8    | 16    | 31    | 28    | 59    | 0.4             | 0.6   | 1.4  | 1.4       | 1    | 2                             | 5    | 12   | 22    | 20    | 42    | 0.3   | 0.4             |      |      |      |      |
| c. Unspecified                     | 0                             | 0    | 0    | 0     | 0     | 0     | 0     | -               | -     | 0.0  | 0.0       | 1    | 0                             | 1    | 0    | 0     | 2     | 2     | 0.0   | 0.0             |      |      |      |      |
| <b>VIII BONE TUMOURS</b>           | 4                             | 35   | 155  | 375   | 521   | 569   | 1090  | 7.1             | 10.2  | 1.2  | 1.5       | 4    | 26                            | 120  | 312  | 261   | 462   | 723   | 6.1   | 7.2             |      |      |      |      |
| a. Osteosarcoma                    | 0                             | 10   | 61   | 182   | 272   | 253   | 525   | 3.1             | 4.9   | 1.0  | 1.3       | 1    | 6                             | 59   | 198  | 126   | 264   | 390   | 3.4   | 3.8             |      |      |      |      |
| b. Chondrosarcoma                  | 0                             | 0    | 5    | 23    | 33    | 28    | 61    | 0.3             | 0.6   | 3.5  | 2.2       | 0    | 0                             | 1    | 7    | 20    | 8     | 28    | 0.1   | 0.3             |      |      |      |      |
| c. Ewing & related                 | 1                             | 24   | 80   | 154   | 183   | 259   | 442   | 3.3             | 4.2   | 1.6  | 1.7       | 2    | 15                            | 54   | 96   | 88    | 167   | 255   | 2.3   | 2.6             |      |      |      |      |
| d. Other specified                 | 2                             | 1    | 8    | 12    | 24    | 23    | 47    | 0.3             | 0.4   | 1.4  | 1.2       | 0    | 4                             | 4    | 9    | 21    | 17    | 38    | 0.2   | 0.4             |      |      |      |      |
| e. Unspecified                     | 1                             | 0    | 1    | 4     | 9     | 6     | 15    | 0.1             | 0.1   | 1.0  | 1.3       | 1    | 1                             | 2    | 2    | 6     | 6     | 12    | 0.1   | 0.1             |      |      |      |      |
| <b>IX SOFT TISSUE SARCOMA</b>      | 84                            | 234  | 220  | 311   | 419   | 849   | 1268  | 12.0            | 13.1  | 1.3  | 1.2       | 72   | 180                           | 161  | 260  | 374   | 673   | 1047  | 10.0  | 11.3            |      |      |      |      |
| a. Rhabdomyosarcoma                | 26                            | 162  | 124  | 114   | 107   | 426   | 533   | 6.2             | 5.8   | 1.4  | 1.4       | 23   | 133                           | 82   | 69   | 73    | 307   | 380   | 4.8   | 4.4             |      |      |      |      |
| b. Fibrosarcoma                    | 28                            | 17   | 11   | 21    | 38    | 77    | 115   | 1.2             | 1.2   | 1.0  | 0.9       | 23   | 8                             | 16   | 27   | 50    | 74    | 124   | 1.1   | 1.3             |      |      |      |      |
| c. Kaposi sarcoma                  | 0                             | 0    | 0    | 0     | 2     | 0     | 2     | -               | 0.0   | 0.0  | 2.0       | 0    | 0                             | 1    | 0    | 0     | 1     | 1     | 0.0   | 0.0             |      |      |      |      |
| d. Other specified                 | 26                            | 41   | 72   | 135   | 227   | 274   | 501   | 3.7             | 4.9   | 1.2  | 1.1       | 16   | 27                            | 51   | 137  | 215   | 231   | 446   | 3.2   | 4.5             |      |      |      |      |
| e. Unspecified                     | 4                             | 14   | 13   | 41    | 45    | 72    | 117   | 1.0             | 1.1   | 1.2  | 1.2       | 10   | 12                            | 11   | 27   | 36    | 60    | 96    | 0.9   | 1.0             |      |      |      |      |
| <b>X GERM CELL TUMOURS</b>         | 92                            | 74   | 38   | 153   | 1154  | 357   | 1511  | 5.1             | 14.3  | 0.9  | 2.1       | 87   | 55                            | 74   | 175  | 319   | 391   | 710   | 5.8   | 7.5             |      |      |      |      |
| a. CNS germ cell                   | 10                            | 5    | 35   | 106   | 109   | 156   | 265   | 2.0             | 2.5   | 2.4  | 3.3       | 15   | 3                             | 26   | 22   | 15    | 66    | 81    | 1.0   | 0.9             |      |      |      |      |
| b. Other extragonadal              | 51                            | 22   | 0    | 10    | 36    | 83    | 119   | 1.4             | 1.4   | 0.7  | 0.8       | 70   | 44                            | 4    | 8    | 24    | 126   | 150   | 2.2   | 1.9             |      |      |      |      |
| c. Gonadal germ cell               | 30                            | 46   | 2    | 37    | 1001  | 115   | 1116  | 1.7             | 10.3  | 0.6  | 2.9       | 1    | 8                             | 43   | 128  | 209   | 180   | 389   | 2.4   | 3.8             |      |      |      |      |
| d. Gonadal carcinoma               | 0                             | 0    | 0    | 0     | 7     | 0     | 7     | -               | 0.1   | 0.0  | 0.1       | 0    | 0                             | 0    | 10   | 60    | 10    | 70    | 0.1   | 0.7             |      |      |      |      |
| e. Unspecified gonadal             | 1                             | 1    | 1    | 0     | 1     | 3     | 4     | 0.0             | 0.0   | 0.3  | 0.2       | 1    | 0                             | 1    | 7    | 11    | 9     | 20    | 0.1   | 0.2             |      |      |      |      |
| <b>XI CARCINOMA &amp; MELANOMA</b> | 7                             | 35   | 80   | 291   | 996   | 413   | 1409  | 5.2             | 12.9  | 0.6  | 0.5       | 14   | 40                            | 119  | 480  | 2051  | 653   | 2704  | 8.6   | 26.1            |      |      |      |      |
| a. Adrenocortical                  | 2                             | 6    | 4    | 5     | 6     | 17    | 23    | 0.2             | 0.2   | 0.8  | 0.7       | 5    | 6                             | 5    | 5    | 11    | 21    | 32    | 0.3   | 0.4             |      |      |      |      |
| b. Thyroid                         | 1                             | 3    | 24   | 65    | 208   | 93    | 301   | 1.2             | 2.8   | 0.3  | 0.2       | 1    | 7                             | 38   | 237  | 1006  | 283   | 1289  | 3.6   | 12.3            |      |      |      |      |
| c. Nasopharyngeal                  | 0                             | 0    | 1    | 13    | 24    | 14    | 38    | 0.2             | 0.3   | 3.5  | 2.4       | 0    | 0                             | 0    | 4    | 12    | 4     | 16    | 0.0   | 0.2             |      |      |      |      |
| d. Melanoma                        | 2                             | 23   | 36   | 121   | 497   | 182   | 679   | 2.3             | 6.3   | 0.9  | 0.7       | 5    | 21                            | 52   | 131  | 700   | 209   | 909   | 2.8   | 8.8             |      |      |      |      |
| e. Skin carcinoma                  | 0                             | 0    | 0    | 2     | 5     | 2     | 7     | 0.0             | 0.1   | 0.4  | 0.5       | 0    | 0                             | 1    | 4    | 8     | 5     | 13    | 0.1   | 0.1             |      |      |      |      |
| f. Other & unspecified             | 2                             | 3    | 15   | 85    | 256   | 105   | 361   | 1.3             | 3.3   | 0.8  | 0.8       | 3    | 6                             | 23   | 99   | 314   | 131   | 445   | 1.7   | 4.3             |      |      |      |      |
| <b>XII OTHER &amp; UNSPECIFIED</b> | 6                             | 15   | 6    | 6     | 23    | 33    | 56    | 0.5             | 0.6   | 0.7  | 0.7       | 8    | 15                            | 8    | 14   | 31    | 45    | 76    | 0.7   | 0.8             |      |      |      |      |
| a. Other specified                 | 3                             | 12   | 1    | 3     | 13    | 19    | 32    | 0.3             | 0.4   | 0.7  | 0.8       | 5    | 9                             | 3    | 9    | 15    | 26    | 41    | 0.4   | 0.5             |      |      |      |      |
| b. Other unspecified               | 3                             | 3    | 5    | 3     | 10    | 14    | 24    | 0.2             | 0.2   | 0.7  | 0.7       | 3    | 6                             | 5    | 5    | 16    | 19    | 35    | 0.3   | 0.4             |      |      |      |      |
| <b>TOTAL</b>                       | 1226                          | 4518 | 3224 | 3570  | 6330  | 12538 | 18868 | 183.2           | 198.7 | 1.2  | 1.2       | 1064 | 3768                          | 2538 | 3112 | 5566  | 10482 | 16048 | 161.2 | 177.7           |      |      |      |      |

Please consult the quality indicators for the constituent registries

## USA, SEER 18, NH White (1993-2012)

|                           | Age group | Males      | Females    |
|---------------------------|-----------|------------|------------|
| Person-years              | 0         | 4 504 911  | 4 282 724  |
|                           | 1-4       | 18 263 401 | 17 364 403 |
|                           | 5-9       | 23 580 040 | 22 347 478 |
|                           | 10-14     | 24 998 044 | 23 673 780 |
|                           | 15-19     | 25 111 569 | 23 741 339 |
| Total                     | 0-14      | 71 346 396 | 67 668 385 |
|                           | 0-19      | 96 457 965 | 91 409 724 |
| Average annual population | 0-14      | 3 567 320  | 3 383 419  |
|                           | 0-19      | 4 822 898  | 4 570 486  |

Please consult the quality indicators for the constituent registries

## USA, SEER 18, NH White (1993-2012)

| Registry                       | Period           | Cases        | %            | Person-years       | %            |
|--------------------------------|------------------|--------------|--------------|--------------------|--------------|
| Alaska Natives                 | -                | -            | -            | -                  | -            |
| California, Greater California | 2000-2012        | 5520         | 15.8         | 29 387 940         | 15.6         |
| California, Los Angeles        | 1993-2012        | 2336         | 6.7          | 12 097 505         | 6.4          |
| California, San Francisco      | 1993-2012        | 1411         | 4.0          | 7 949 832          | 4.2          |
| California, San José           | 1993-2012        | 889          | 2.5          | 4 664 430          | 2.5          |
| Connecticut                    | 1993-2012        | 2353         | 6.7          | 12 624 177         | 6.7          |
| Georgia, Atlanta               | 1993-2012        | 1233         | 3.5          | 6 874 550          | 3.7          |
| Georgia, Greater Georgia       | 2000-2012        | 2316         | 6.6          | 13 151 376         | 7.0          |
| Georgia, Rural                 | 1993-2012        | 51           | 0.1          | 293 515            | 0.2          |
| Hawaii                         | 1993-2012        | 211          | 0.6          | 969 928            | 0.5          |
| Iowa                           | 1993-2012        | 2549         | 7.3          | 14 425 080         | 7.7          |
| Kentucky                       | 2000-2012        | 2242         | 6.4          | 12 410 112         | 6.6          |
| Louisiana                      | 2000-2012        | 1602         | 4.6          | 9 060 467          | 4.8          |
| Michigan, Detroit              | 1993-2012        | 2578         | 7.4          | 13 653 181         | 7.3          |
| New Jersey                     | 2000-2012        | 3534         | 10.1         | 16 847 353         | 9.0          |
| New Mexico                     | 1993-2012        | 675          | 1.9          | 3 669 030          | 2.0          |
| Utah                           | 1993-2012        | 2435         | 7.0          | 13 959 385         | 7.4          |
| Washington, Seattle            | 1993-2012        | 2981         | 8.5          | 15 829 828         | 8.4          |
| <b>USA</b>                     | <b>1993-2012</b> | <b>34916</b> | <b>100.0</b> | <b>187 867 689</b> | <b>100.0</b> |

Please consult the quality indicators for the constituent registries

Hawaii, NH White  
(1993-2012)

|                                    | 0-14  |     |       | 0-19  |     |       |
|------------------------------------|-------|-----|-------|-------|-----|-------|
|                                    | Cases | M/F | ASR   | Cases | M/F | ASR   |
| <b>I LEUKAEMIA</b>                 | 45    | 1.0 | 64.5  | 51    | 1.0 | 55.4  |
| a. Lymphoid                        | 39    | 1.1 | 56.0  | 43    | 1.0 | 47.0  |
| b. Acute myeloid                   | 4     | 0.3 | 5.8   | 6     | 0.5 | 6.3   |
| c. CMD                             | 2     | .   | 2.8   | 2     | .   | 2.1   |
| d. MDS & other                     | 0     | .   | .     | 0     | .   | .     |
| e. Unspecified                     | 0     | .   | .     | 0     | .   | .     |
| <b>II LYMPHOMA &amp; RELATED</b>   | 15    | 1.5 | 20.5  | 25    | 1.3 | 24.9  |
| a. Hodgkin                         | 2     | 1.0 | 2.8   | 10    | 1.0 | 9.4   |
| b. Non-Hodgkin except BL           | 9     | 1.3 | 11.8  | 11    | 1.2 | 10.9  |
| c. Burkitt (BL)                    | 2     | .   | 2.9   | 2     | .   | 2.3   |
| d. Lymphoreticular                 | 2     | 1.0 | 3.0   | 2     | 1.0 | 2.4   |
| e. Unspecified                     | 0     | .   | .     | 0     | .   | .     |
| <b>III CNS NEOPLASMS</b>           | 32    | 1.7 | 45.5  | 36    | 1.6 | 38.9  |
| a. Ependymoma                      | 3     | .   | 4.2   | 3     | .   | 3.2   |
| b. Astrocytoma                     | 12    | 3.0 | 17.1  | 16    | 2.2 | 16.8  |
| c. CNS embryonal                   | 12    | 1.0 | 17.4  | 12    | 1.0 | 13.4  |
| d. Other gliomas                   | 4     | 1.0 | 5.4   | 4     | 1.0 | 4.2   |
| e. Other specified                 | 0     | .   | .     | 0     | .   | .     |
| f. Unspecified CNS                 | 1     | 0.0 | 1.5   | 1     | 0.0 | 1.2   |
| <b>IV NEUROBLASTOMA</b>            | 17    | 0.4 | 25.5  | 17    | 0.4 | 19.8  |
| a. (Ganglio)neuroblastoma          | 16    | 0.5 | 24.3  | 16    | 0.5 | 18.8  |
| b. Peripheral nervous              | 1     | 0.0 | 1.2   | 1     | 0.0 | 1.0   |
| <b>V RETINOBLASTOMA</b>            | 3     | 0.0 | 4.6   | 3     | 0.0 | 3.5   |
| <b>VI RENAL TUMOURS</b>            | 5     | 0.7 | 7.2   | 6     | 0.5 | 6.5   |
| a. Nephroblastoma                  | 5     | 0.7 | 7.2   | 5     | 0.7 | 5.6   |
| b. Renal carcinoma                 | 0     | .   | .     | 1     | 0.0 | 0.9   |
| c. Unspecified                     | 0     | .   | .     | 0     | .   | .     |
| <b>VII HEPATIC TUMOURS</b>         | 3     | .   | 4.3   | 4     | .   | 4.2   |
| a. Hepatoblastoma                  | 3     | .   | 4.3   | 3     | .   | 3.3   |
| b. Hepatic carcinoma               | 0     | .   | .     | 1     | .   | 0.9   |
| c. Unspecified                     | 0     | .   | .     | 0     | .   | .     |
| <b>VIII BONE TUMOURS</b>           | 7     | 0.8 | 8.8   | 9     | 0.5 | 8.6   |
| a. Osteosarcoma                    | 5     | 0.7 | 6.2   | 7     | 0.4 | 6.6   |
| b. Chondrosarcoma                  | 0     | .   | .     | 0     | .   | .     |
| c. Ewing & related                 | 2     | 1.0 | 2.6   | 2     | 1.0 | 2.0   |
| d. Other specified                 | 0     | .   | .     | 0     | .   | .     |
| e. Unspecified                     | 0     | .   | .     | 0     | .   | .     |
| <b>IX SOFT TISSUE SARCOMA</b>      | 6     | 2.0 | 8.5   | 12    | 2.0 | 12.0  |
| a. Rhabdomyosarcoma                | 1     | .   | 1.5   | 1     | .   | 1.2   |
| b. Fibrosarcoma                    | 2     | 1.0 | 2.8   | 2     | 1.0 | 2.1   |
| c. Kaposi sarcoma                  | 0     | .   | .     | 0     | .   | .     |
| d. Other specified                 | 3     | 2.0 | 4.2   | 7     | 1.3 | 6.8   |
| e. Unspecified                     | 0     | .   | .     | 2     | .   | 1.8   |
| <b>X GERM CELL TUMOURS</b>         | 4     | 1.0 | 5.2   | 15    | 2.8 | 14.0  |
| a. CNS germ cell                   | 3     | 2.0 | 4.0   | 3     | 2.0 | 3.1   |
| b. Other extragonadal              | 0     | .   | .     | 0     | .   | .     |
| c. Gonadal germ cell               | 1     | 0.0 | 1.2   | 11    | 4.5 | 10.0  |
| d. Gonadal carcinoma               | 0     | .   | .     | 1     | 0.0 | 0.9   |
| e. Unspecified gonadal             | 0     | .   | .     | 0     | .   | .     |
| <b>XI CARCINOMA &amp; MELANOMA</b> | 5     | 0.3 | 6.7   | 33    | 1.5 | 30.4  |
| a. Adrenocortical                  | 0     | .   | .     | 0     | .   | .     |
| b. Thyroid                         | 1     | 0.0 | 1.2   | 8     | 0.6 | 7.3   |
| c. Nasopharyngeal                  | 0     | .   | .     | 0     | .   | .     |
| d. Melanoma                        | 3     | 0.5 | 4.2   | 18    | 3.5 | 16.7  |
| e. Skin carcinoma                  | 1     | 0.0 | 1.2   | 3     | 0.5 | 2.8   |
| f. Other & unspecified             | 0     | .   | .     | 4     | 1.0 | 3.6   |
| <b>XII OTHER &amp; UNSPECIFIED</b> | 0     | .   | .     | 0     | .   | .     |
| a. Other specified                 | 0     | .   | .     | 0     | .   | .     |
| b. Other unspecified               | 0     | .   | .     | 0     | .   | .     |
| <b>TOTAL</b>                       | 142   | 1.0 | 201.3 | 211   | 1.2 | 218.1 |

Please consult the quality indicators for the constituent registries