

HUNGARY, Paediatric (1991-2014)

| | Number of cases | | | | | Percentage | | Incidence rates per million person-years | | | | | MV % 0-14 | DCO % 0-14 | |
|------------------------------------|-----------------|------|------|-------|------|------------|-------|--|-------|-------|-------|----------|-----------------|------------------|--------------------|
| | Age group | | | | | 0-14 | | Age-specific | | | | | | | |
| | 0 | 1-4 | 5-9 | 10-14 | 0-14 | All | Group | 0 | 1-4 | 5-9 | 10-14 | 0-14 ASR | | | Cumulative 0-14 |
| I LEUKAEMIA | 69 | 734 | 492 | 330 | 1625 | 28.5 | 100.0 | 28.4 | 73.2 | 37.2 | 22.8 | 43.6 | 622 | 100.0 | 0.0 |
| a. Lymphoid | 41 | 641 | 422 | 220 | 1324 | 23.2 | 81.5 | 16.9 | 63.9 | 31.9 | 15.2 | 35.9 | 509 | 100.0 | 0.0 |
| b. Acute myeloid | 17 | 77 | 55 | 76 | 225 | 3.9 | 13.8 | 7.0 | 7.7 | 4.2 | 5.2 | 5.8 | 85 | 100.0 | 0.0 |
| c. CMD | 4 | 6 | 8 | 21 | 39 | 0.7 | 2.4 | 1.6 | 0.6 | 0.6 | 1.4 | 0.9 | 14 | 100.0 | 0.0 |
| d. MDS & other | 7 | 8 | 7 | 13 | 35 | 0.6 | 2.2 | 2.9 | 0.8 | 0.5 | 0.9 | 0.9 | 13 | 100.0 | 0.0 |
| e. Unspecified | 0 | 2 | 0 | 0 | 2 | 0.0 | 0.1 | - | 0.2 | - | - | 0.1 | 1 | 100.0 | 0.0 |
| II LYMPHOMA & RELATED | 3 | 97 | 209 | 339 | 648 | 11.4 | 100.0 | 1.2 | 9.7 | 15.8 | 23.4 | 15.0 | 236 | 100.0 | 0.0 |
| a. Hodgkin | 0 | 23 | 85 | 183 | 291 | 5.1 | 44.9 | - | 2.3 | 6.4 | 12.6 | 6.5 | 105 | 100.0 | 0.0 |
| b. Non-Hodgkin except BL | 3 | 46 | 67 | 120 | 236 | 4.1 | 36.4 | 1.2 | 4.6 | 5.1 | 8.3 | 5.6 | 86 | 100.0 | 0.0 |
| c. Burkitt (BL) | 0 | 24 | 53 | 32 | 109 | 1.9 | 16.8 | - | 2.4 | 4.0 | 2.2 | 2.7 | 41 | 100.0 | 0.0 |
| d. Lymphoreticular | 0 | 2 | 2 | 3 | 7 | 0.1 | 1.1 | - | 0.2 | 0.2 | 0.2 | 0.2 | 3 | 100.0 | 0.0 |
| e. Unspecified | 0 | 2 | 2 | 1 | 5 | 0.1 | 0.8 | - | 0.2 | 0.2 | 0.1 | 0.1 | 2 | 100.0 | 0.0 |
| III CNS NEOPLASMS † | 101 | 424 | 481 | 454 | 1460 | 25.6 | 100.0 | 41.6 | 42.3 | 36.4 | 31.3 | 37.1 | 549 | 91.8 | 0.0 |
| a. Ependymoma | 26 | 66 | 32 | 32 | 156 | 2.7 | 10.7 | 10.7 | 6.6 | 2.4 | 2.2 | 4.3 | 60 | 100.0 | 0.0 |
| b. Astrocytoma | 24 | 170 | 208 | 212 | 614 | 10.8 | 42.1 | 9.9 | 16.9 | 15.7 | 14.6 | 15.3 | 230 | 98.2 | 0.0 |
| c. CNS embryonal | 30 | 115 | 124 | 83 | 352 | 6.2 | 24.1 | 12.4 | 11.5 | 9.4 | 5.7 | 9.2 | 134 | 99.7 | 0.0 |
| d. Other gliomas | 14 | 33 | 71 | 63 | 181 | 3.2 | 12.4 | 5.8 | 3.3 | 5.4 | 4.3 | 4.5 | 67 | 45.3 | 0.0 |
| e. Other specified | 7 | 40 | 45 | 63 | 155 | 2.7 | 10.6 | 2.9 | 4.0 | 3.4 | 4.3 | 3.8 | 58 | 94.8 | 0.0 |
| f. Unspecified CNS | 0 | 0 | 1 | 1 | 2 | 0.0 | 0.1 | - | - | 0.1 | 0.1 | 0.0 | 1 | 100.0 | 0.0 |
| IV NEUROBLASTOMA | 238 | 260 | 52 | 20 | 570 | 10.0 | 100.0 | 98.0 | 25.9 | 3.9 | 1.4 | 17.1 | 226 | 98.4 | 0.0 |
| a. (Ganglio)neuroblastoma | 238 | 258 | 50 | 17 | 563 | 9.9 | 98.8 | 98.0 | 25.7 | 3.8 | 1.2 | 17.0 | 224 | 98.4 | 0.0 |
| b. Peripheral nervous | 0 | 2 | 2 | 3 | 7 | 0.1 | 1.2 | - | 0.2 | 0.2 | 0.2 | 0.2 | 3 | 100.0 | 0.0 |
| V RETINOBLASTOMA | 53 | 69 | 7 | 0 | 129 | 2.3 | 100.0 | 21.8 | 6.9 | 0.5 | - | 4.0 | 52 | 82.9 | 0.0 |
| VI RENAL TUMOURS | 48 | 179 | 59 | 16 | 302 | 5.3 | 100.0 | 19.8 | 17.8 | 4.5 | 1.1 | 8.8 | 119 | 99.7 | 0.0 |
| a. Nephroblastoma | 48 | 179 | 56 | 9 | 292 | 5.1 | 96.7 | 19.8 | 17.8 | 4.2 | 0.6 | 8.6 | 115 | 99.7 | 0.0 |
| b. Renal carcinoma | 0 | 0 | 3 | 7 | 10 | 0.2 | 3.3 | - | - | 0.2 | 0.5 | 0.2 | 4 | 100.0 | 0.0 |
| c. Unspecified | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| VII HEPATIC TUMOURS | 32 | 37 | 8 | 7 | 84 | 1.5 | 100.0 | 13.2 | 3.7 | 0.6 | 0.5 | 2.5 | 33 | 100.0 | 0.0 |
| a. Hepatoblastoma | 31 | 36 | 6 | 3 | 76 | 1.3 | 90.5 | 12.8 | 3.6 | 0.5 | 0.2 | 2.3 | 30 | 100.0 | 0.0 |
| b. Hepatic carcinoma | 1 | 1 | 2 | 4 | 8 | 0.1 | 9.5 | 0.4 | 0.1 | 0.2 | 0.3 | 0.2 | 3 | 100.0 | 0.0 |
| c. Unspecified | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| VIII BONE TUMOURS | 1 | 20 | 91 | 176 | 288 | 5.0 | 100.0 | 0.4 | 2.0 | 6.9 | 12.1 | 6.4 | 104 | 100.0 | 0.0 |
| a. Osteosarcoma | 0 | 0 | 38 | 96 | 134 | 2.3 | 46.5 | - | - | 2.9 | 6.6 | 2.9 | 47 | 100.0 | 0.0 |
| b. Chondrosarcoma | 0 | 0 | 1 | 6 | 7 | 0.1 | 2.4 | - | - | 0.1 | 0.4 | 0.1 | 2 | 100.0 | 0.0 |
| c. Ewing & related | 1 | 18 | 47 | 68 | 134 | 2.3 | 46.5 | 0.4 | 1.8 | 3.6 | 4.7 | 3.1 | 49 | 100.0 | 0.0 |
| d. Other specified | 0 | 2 | 5 | 5 | 12 | 0.2 | 4.2 | - | 0.2 | 0.4 | 0.3 | 0.3 | 4 | 100.0 | 0.0 |
| e. Unspecified | 0 | 0 | 0 | 1 | 1 | 0.0 | 0.3 | - | - | - | 0.1 | 0.0 | 0 | 100.0 | 0.0 |
| IX SOFT TISSUE SARCOMA | 38 | 109 | 77 | 91 | 315 | 5.5 | 100.0 | 15.7 | 10.9 | 5.8 | 6.3 | 8.3 | 120 | 100.0 | 0.0 |
| a. Rhabdomyosarcoma | 11 | 68 | 46 | 28 | 153 | 2.7 | 48.6 | 4.5 | 6.8 | 3.5 | 1.9 | 4.1 | 59 | 100.0 | 0.0 |
| b. Fibrosarcoma | 14 | 12 | 5 | 13 | 44 | 0.8 | 14.0 | 5.8 | 1.2 | 0.4 | 0.9 | 1.2 | 17 | 100.0 | 0.0 |
| c. Kaposi sarcoma | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| d. Other specified | 12 | 23 | 22 | 44 | 101 | 1.8 | 32.1 | 4.9 | 2.3 | 1.7 | 3.0 | 2.5 | 38 | 100.0 | 0.0 |
| e. Unspecified | 1 | 6 | 4 | 6 | 17 | 0.3 | 5.4 | 0.4 | 0.6 | 0.3 | 0.4 | 0.4 | 6 | 100.0 | 0.0 |
| X GERM CELL TUMOURS | 24 | 33 | 22 | 60 | 139 | 2.4 | 100.0 | 9.9 | 3.3 | 1.7 | 4.1 | 3.5 | 52 | 99.3 | 0.0 |
| a. CNS germ cell ‡ | 4 | 1 | 10 | 15 | 30 | 0.5 | 21.6 | 1.6 | 0.1 | 0.8 | 1.0 | 0.7 | 11 | 96.7 | 0.0 |
| b. Other extragonadal | 17 | 20 | 1 | 6 | 44 | 0.8 | 31.7 | 7.0 | 2.0 | 0.1 | 0.4 | 1.3 | 17 | 100.0 | 0.0 |
| c. Gonadal germ cell | 2 | 12 | 9 | 35 | 58 | 1.0 | 41.7 | 0.8 | 1.2 | 0.7 | 2.4 | 1.4 | 21 | 100.0 | 0.0 |
| d. Gonadal carcinoma | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - |
| e. Unspecified gonadal | 1 | 0 | 2 | 4 | 7 | 0.1 | 5.0 | 0.4 | - | 0.2 | 0.3 | 0.2 | 3 | 100.0 | 0.0 |
| XI CARCINOMA & MELANOMA | 9 | 10 | 28 | 87 | 134 | 2.3 | 100.0 | 3.7 | 1.0 | 2.1 | 6.0 | 3.0 | 48 | 100.0 | 0.0 |
| a. Adrenocortical | 6 | 1 | 0 | 1 | 8 | 0.1 | 6.0 | 2.5 | 0.1 | - | 0.1 | 0.2 | 3 | 100.0 | 0.0 |
| b. Thyroid | 0 | 1 | 10 | 37 | 48 | 0.8 | 35.8 | - | 0.1 | 0.8 | 2.6 | 1.0 | 17 | 100.0 | 0.0 |
| c. Nasopharyngeal | 0 | 0 | 0 | 8 | 8 | 0.1 | 6.0 | - | - | - | 0.6 | 0.2 | 3 | 100.0 | 0.0 |
| d. Melanoma | 2 | 3 | 7 | 16 | 28 | 0.5 | 20.9 | 0.8 | 0.3 | 0.5 | 1.1 | 0.6 | 10 | 100.0 | 0.0 |
| e. Skin carcinoma | 1 | 0 | 3 | 6 | 10 | 0.2 | 7.5 | 0.4 | - | 0.2 | 0.4 | 0.2 | 4 | 100.0 | 0.0 |
| f. Other & unspecified | 0 | 5 | 8 | 19 | 32 | 0.6 | 23.9 | - | 0.5 | 0.6 | 1.3 | 0.7 | 12 | 100.0 | 0.0 |
| XII OTHER & UNSPECIFIED | 1 | 4 | 0 | 6 | 11 | 0.2 | 100.0 | 0.4 | 0.4 | - | 0.4 | 0.3 | 4 | 100.0 | 0.0 |
| a. Other specified | 1 | 4 | 0 | 5 | 10 | 0.2 | 90.9 | 0.4 | 0.4 | - | 0.3 | 0.3 | 4 | 100.0 | 0.0 |
| b. Other unspecified | 0 | 0 | 0 | 1 | 1 | 0.0 | 9.1 | - | - | - | 0.1 | 0.0 | 0 | 100.0 | 0.0 |
| TOTAL § | 617 | 1976 | 1526 | 1586 | 5705 | 100.0 | 100.0 | 254.1 | 197.0 | 115.4 | 109.5 | 149.6 | 2165 | 97.3 | 0.0 |

† includes 467 non-malignant ‡ includes 5 non-malignant

§ includes 2 with sex unknown

Please consult the quality indicators for this registry

HUNGARY, Paediatric (1991-2014)

| | Males | | | | | | M/F ratio | Females | | | | | |
|------------------------------------|-------------------------------|------|-----|-------|------|-----------------|-----------|-------------------------------|-----|-----|-------|------|-----------------|
| | Number of cases in age groups | | | | | ASR per million | | Number of cases in age groups | | | | | ASR per million |
| | 0 | 1-4 | 5-9 | 10-14 | 0-14 | | | 0 | 1-4 | 5-9 | 10-14 | 0-14 | |
| I LEUKAEMIA | 42 | 411 | 270 | 202 | 925 | 48.2 | 1.3 | 27 | 323 | 222 | 128 | 700 | 38.7 |
| a. Lymphoid | 22 | 356 | 236 | 143 | 757 | 39.7 | 1.3 | 19 | 285 | 186 | 77 | 567 | 31.9 |
| b. Acute myeloid | 12 | 42 | 26 | 39 | 119 | 6.0 | 1.1 | 5 | 35 | 29 | 37 | 106 | 5.5 |
| c. CMD | 3 | 5 | 4 | 13 | 25 | 1.2 | 1.8 | 1 | 1 | 4 | 8 | 14 | 0.7 |
| d. MDS & other | 5 | 6 | 4 | 7 | 22 | 1.1 | 1.7 | 2 | 2 | 3 | 6 | 13 | 0.7 |
| e. Unspecified | 0 | 2 | 0 | 0 | 2 | 0.1 | - | 0 | 0 | 0 | 0 | 0 | - |
| II LYMPHOMA & RELATED | 2 | 73 | 157 | 204 | 436 | 20.0 | 2.1 | 1 | 24 | 52 | 135 | 212 | 9.7 |
| a. Hodgkin | 0 | 19 | 63 | 95 | 177 | 7.9 | 1.6 | 0 | 4 | 22 | 88 | 114 | 5.0 |
| b. Non-Hodgkin except BL | 2 | 29 | 43 | 79 | 153 | 7.0 | 1.8 | 1 | 17 | 24 | 41 | 83 | 4.0 |
| c. Burkitt (BL) | 0 | 21 | 47 | 27 | 95 | 4.6 | 6.8 | 0 | 3 | 6 | 5 | 14 | 0.7 |
| d. Lymphoreticular | 0 | 2 | 2 | 2 | 6 | 0.3 | 6.0 | 0 | 0 | 0 | 1 | 1 | 0.0 |
| e. Unspecified | 0 | 2 | 2 | 1 | 5 | 0.3 | - | 0 | 0 | 0 | 0 | 0 | - |
| III CNS NEOPLASMS † | 50 | 236 | 263 | 254 | 803 | 39.8 | 1.2 | 51 | 188 | 218 | 200 | 657 | 34.4 |
| a. Ependymoma | 17 | 33 | 19 | 20 | 89 | 4.7 | 1.3 | 9 | 33 | 13 | 12 | 67 | 3.8 |
| b. Astrocytoma | 7 | 92 | 116 | 110 | 325 | 15.8 | 1.1 | 17 | 78 | 92 | 102 | 289 | 14.8 |
| c. CNS embryonal | 13 | 72 | 77 | 49 | 211 | 10.7 | 1.5 | 17 | 43 | 47 | 34 | 141 | 7.6 |
| d. Other gliomas | 7 | 21 | 26 | 37 | 91 | 4.4 | 1.0 | 7 | 12 | 45 | 26 | 90 | 4.5 |
| e. Other specified | 6 | 18 | 24 | 37 | 85 | 4.0 | 1.2 | 1 | 22 | 21 | 26 | 70 | 3.6 |
| f. Unspecified CNS | 0 | 0 | 1 | 1 | 2 | 0.1 | - | 0 | 0 | 0 | 0 | 0 | - |
| IV NEUROBLASTOMA | 133 | 142 | 25 | 13 | 313 | 18.4 | 1.2 | 105 | 118 | 27 | 7 | 257 | 15.9 |
| a. (Ganglio)neuroblastoma | 133 | 140 | 25 | 10 | 308 | 18.1 | 1.2 | 105 | 118 | 25 | 7 | 255 | 15.8 |
| b. Peripheral nervous | 0 | 2 | 0 | 3 | 5 | 0.2 | 2.5 | 0 | 0 | 2 | 0 | 2 | 0.1 |
| V RETINOBLASTOMA | 29 | 35 | 5 | 0 | 69 | 4.1 | 1.1 | 24 | 34 | 2 | 0 | 60 | 3.8 |
| VI RENAL TUMOURS | 26 | 84 | 27 | 8 | 145 | 8.3 | 0.9 | 22 | 95 | 32 | 8 | 157 | 9.4 |
| a. Nephroblastoma | 26 | 84 | 26 | 4 | 140 | 8.1 | 0.9 | 22 | 95 | 30 | 5 | 152 | 9.2 |
| b. Renal carcinoma | 0 | 0 | 1 | 4 | 5 | 0.2 | 1.0 | 0 | 0 | 2 | 3 | 5 | 0.2 |
| c. Unspecified | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | - |
| VII HEPATIC TUMOURS | 16 | 21 | 5 | 4 | 46 | 2.6 | 1.2 | 16 | 16 | 3 | 3 | 38 | 2.3 |
| a. Hepatoblastoma | 15 | 21 | 4 | 2 | 42 | 2.4 | 1.2 | 16 | 15 | 2 | 1 | 34 | 2.1 |
| b. Hepatic carcinoma | 1 | 0 | 1 | 2 | 4 | 0.2 | 1.0 | 0 | 1 | 1 | 2 | 4 | 0.2 |
| c. Unspecified | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | - |
| VIII BONE TUMOURS | 0 | 12 | 50 | 83 | 145 | 6.4 | 1.0 | 1 | 8 | 41 | 93 | 143 | 6.4 |
| a. Osteosarcoma | 0 | 0 | 23 | 40 | 63 | 2.7 | 0.9 | 0 | 0 | 15 | 56 | 71 | 3.0 |
| b. Chondrosarcoma | 0 | 0 | 1 | 2 | 3 | 0.1 | 0.8 | 0 | 0 | 0 | 4 | 4 | 0.2 |
| c. Ewing & related | 0 | 11 | 22 | 38 | 71 | 3.2 | 1.1 | 1 | 7 | 25 | 30 | 63 | 3.0 |
| d. Other specified | 0 | 1 | 4 | 2 | 7 | 0.3 | 1.4 | 0 | 1 | 1 | 3 | 5 | 0.2 |
| e. Unspecified | 0 | 0 | 0 | 1 | 1 | 0.0 | - | 0 | 0 | 0 | 0 | 0 | - |
| IX SOFT TISSUE SARCOMA | 22 | 53 | 45 | 56 | 176 | 8.9 | 1.3 | 16 | 56 | 32 | 35 | 139 | 7.6 |
| a. Rhabdomyosarcoma | 9 | 35 | 31 | 21 | 96 | 5.0 | 1.7 | 2 | 33 | 15 | 7 | 57 | 3.3 |
| b. Fibrosarcoma | 7 | 5 | 1 | 9 | 22 | 1.1 | 1.0 | 7 | 7 | 4 | 4 | 22 | 1.3 |
| c. Kaposi sarcoma | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | - |
| d. Other specified | 6 | 10 | 11 | 20 | 47 | 2.3 | 0.9 | 6 | 13 | 11 | 24 | 54 | 2.7 |
| e. Unspecified | 0 | 3 | 2 | 6 | 11 | 0.5 | 1.8 | 1 | 3 | 2 | 0 | 6 | 0.4 |
| X GERM CELL TUMOURS | 10 | 14 | 5 | 22 | 51 | 2.6 | 0.6 | 14 | 19 | 17 | 38 | 88 | 4.5 |
| a. CNS germ cell ‡ | 2 | 0 | 4 | 8 | 14 | 0.6 | 0.9 | 2 | 1 | 6 | 7 | 16 | 0.8 |
| b. Other extragonadal | 5 | 3 | 0 | 5 | 13 | 0.7 | 0.4 | 12 | 17 | 1 | 1 | 31 | 1.9 |
| c. Gonadal germ cell | 2 | 11 | 1 | 9 | 23 | 1.2 | 0.7 | 0 | 1 | 8 | 26 | 35 | 1.5 |
| d. Gonadal carcinoma | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | - |
| e. Unspecified gonadal | 1 | 0 | 0 | 0 | 1 | 0.1 | 0.2 | 0 | 0 | 2 | 4 | 6 | 0.3 |
| XI CARCINOMA & MELANOMA | 2 | 4 | 13 | 27 | 46 | 2.0 | 0.5 | 7 | 6 | 15 | 58 | 86 | 4.0 |
| a. Adrenocortical | 1 | 0 | 0 | 1 | 2 | 0.1 | 0.3 | 5 | 1 | 0 | 0 | 6 | 0.4 |
| b. Thyroid | 0 | 0 | 4 | 8 | 12 | 0.5 | 0.4 | 0 | 1 | 6 | 27 | 34 | 1.5 |
| c. Nasopharyngeal | 0 | 0 | 0 | 3 | 3 | 0.1 | 0.6 | 0 | 0 | 0 | 5 | 5 | 0.2 |
| d. Melanoma | 1 | 2 | 3 | 6 | 12 | 0.6 | 0.8 | 1 | 1 | 4 | 10 | 16 | 0.7 |
| e. Skin carcinoma | 0 | 0 | 2 | 4 | 6 | 0.3 | 1.5 | 1 | 0 | 1 | 2 | 4 | 0.2 |
| f. Other & unspecified | 0 | 2 | 4 | 5 | 11 | 0.5 | 0.5 | 0 | 3 | 4 | 14 | 21 | 1.0 |
| XII OTHER & UNSPECIFIED | 1 | 1 | 0 | 3 | 5 | 0.2 | 0.8 | 0 | 3 | 0 | 3 | 6 | 0.3 |
| a. Other specified | 1 | 1 | 0 | 2 | 4 | 0.2 | 0.7 | 0 | 3 | 0 | 3 | 6 | 0.3 |
| b. Other unspecified | 0 | 0 | 0 | 1 | 1 | 0.0 | - | 0 | 0 | 0 | 0 | 0 | - |
| TOTAL | 333 | 1086 | 865 | 876 | 3160 | 161.5 | 1.2 | 284 | 890 | 661 | 708 | 2543 | 137.0 |

† includes 256 non-malignant in males and 211 non-malignant in females ‡ includes 1 non-malignant in males and 4 non-malignant in females

Please consult the quality indicators for this registry

HUNGARY, Paediatric (1991-2014)

| | Age group | Males | Females |
|---------------------------|-----------|------------|------------|
| Person-years | 0 | 1 246 538 | 1 181 390 |
| | 1-4 | 5 143 039 | 4 887 224 |
| | 5-9 | 6 773 879 | 6 451 044 |
| | 10-14 | 7 414 792 | 7 074 793 |
| Total | 0-14 | 20 578 248 | 19 594 451 |
| Average annual population | 0-14 | 857 427 | 816 435 |

Please consult the quality indicators for this registry

International Incidence of Childhood Cancer Volume III <http://iicc.iarc.fr/results>