



Occurrences of Human Cancers by Age
© 2008 Jules J. Berman, Ph.D., M.D.
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SEER is the U.S. National Cancer Institute's Surveillance, Epidemiology and End Results program. The SEER public use data files cover about 3.5 million de-identified U.S. cancer records for the years 1973 to 2005 and are available from:

<http://seer.cancer.gov/data/>

This document is a compilation of the SEER public use data files, produced by the author, using Perl and Ruby scripts.

For each cancer, the number of occurrences of cancers for all ages are binned into 5-year intervals, beginning with ages 0-5 and ending with ages 95 and above.

Specifically, each number following the name of the cancer is followed by 20 sequential intervals:

0-4, 5-9, 10-14, 15-19, 20-24....80-84, 85-89, 90-94, 95+

The data is represented by two different distributions: 1. The crude numbers of cancers occurring in each age group 2. The rate of cancer in each age group, determined by the crude number of cancer occurrences in the age group divided by the U.S. population in the age group, found in the 1950 U.S. census.

A schematic representation of the crude number of occurrences for each age group is provided, as well as a schematic representation of the rate of occurrences of cancer for each age group.

Purpose

The document provides pathologists with a guideline for the expected occurrences of cancers, by age. A good pathologist should be very careful when he/she assigns a diagnosis that does not "fit" the typical age profile of a cancer.

Epidemiologists may benefit by having a single source, indicating the likelihood of many types of specific cancer, in different age populations.

Researchers may, when reviewing all of the distributions at once, develop new questions and hypotheses that could not have been perceived through piecemeal observations.

Caveats

When we examine the occurrences of cancers in different age groups, we notice that, in most cases, distributions have a "hump" shape, with a drop-off of cases in the older age groups. This does not mean that older people are less susceptible to cancer than younger individuals. It merely signifies that there are fewer older individuals in the population. The lower the number of people in an age interval, the fewer the number of cancers that can occur in the interval. When we examine the rate of cancers normalized against the population of people in the age group (from U.S. census data), we see that for the common tumors of adults, the rate of occurrence of cancers rises steadily over time. The purpose of the crude occurrence schematic is to indicate the age-occurrences of different cancers that may occur in hospital populations that approximate the populations sampled by the SEER data.

Some cancers are rare and have very few occurrences, even in the large SEER data set. Whether the provided numbers are adequate for any reasonable analysis is a question that you must answer for yourself.

Some cancers listed here have no specific meaning without the context of their anatomic site of origin (e.g., medullary carcinoma of what? breast? thyroid?; adenocarcinoma of what organ?). In these cases, you should be aware of the ambiguity of the term, and you should interpret the distribution data conservatively.

SEER collects data on cancers, not benign neoplasms. The benign counterparts to many of the tumors listed here are missing. For example data is found here for the very rare "malignant" Warthin tumor, but not for the common "benign" Warthin tumor. Regrettably, virtually all clinically important benign neoplasms are omitted from this document.

A companion document shows only those distributions that appear to have a multimodal distribution (two or more peaks of occurrence or rate of occurrence, by age).

<http://www.julesberman.info/bimode.pdf>

Please read the Disclaimer and the Acknowledgment at the end of this document

ac. myelomonocytic leuk. w abn. mar. eosinophils

Crude - 1 0 4 2 1 5 3 3 5 5 3 7 3 4 4 5 1 1



Normalized - 0 0 3 1 0 4 2 2 4 5 3 9 4 7 11 23 8 16



acidophil carcinoma

Crude - 1 1 0 0 0 0 2 1 2 0 1 0 0 1 1 0 0 0



Normalized - 0 0 0 0 0 0 0 1 0 1 0 1 0 0 1 2 0 0 0



acinar cell carcinoma

Crude - 0 3 25 44 39 70 69 89 203 381 940 1560 1818 2175 1853
1261 641 349



Normalized - 0 2 22 41 33 56 59 78 197 416 1131 2139 2978
4307 5380 5850 5528 5919



acinar cell cystadenocarcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 1 0 2 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 0 2 0 0 0 0 0 0

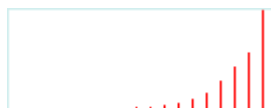


acral lentiginous melanoma, malign.

Crude - 0 0 2 5 12 16 24 42 55 50 69 75 85 99 111 104 73 62



Normalized - 0 0 1 4 10 12 20 37 53 54 83 102 139 196 322 482
629 1051



acute basophilic leukemia

Crude - 0 0 0 0 0 0 0 0 0 0 1 1 1 1 0 2 1 1 1



Normalized - 0 0 0 0 0 0 0 0 0 0 1 1 1 1 0 5 4 8 16

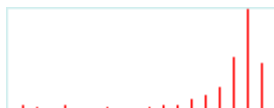


acute biphenotypic leukemia

Crude - 4 2 0 3 0 0 2 0 0 1 2 2 3 3 3 4 4 1



Normalized - 2 1 0 2 0 0 1 0 0 1 2 2 4 5 8 18 34 16

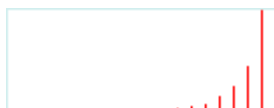


acute leukemia, nos

Crude - 139 62 45 46 46 51 56 81 79 96 126 184 263 349 524
523 496 565



Normalized - 84 46 40 43 39 41 47 71 76 105 151 252 430 691
1521 2426 4277 9582



acute megakaryoblastic leukemia

Crude - 59 1 4 2 2 3 1 8 9 9 15 14 19 24 34 21 21 11



Normalized - 35 0 3 1 1 2 0 7 8 9 18 19 31 47 98 97 181 186



acute monocytic leukemia

Crude - 77 20 27 39 38 46 40 50 72 95 111 122 156 187 184 214

161 131



Normalized - 46 14 24 36 32 37 34 44 69 103 133 167 255 370

534 992 1388 2221

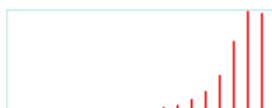


acute myeloid leuk. with multilineage dysplasia

Crude - 1 1 1 2 3 2 2 2 9 10 19 23 30 43 50 60 46 23



Normalized - 0 0 0 1 2 1 1 1 8 10 22 31 49 85 145 278 396 390



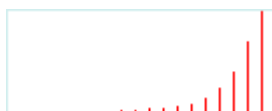
acute myeloid leukemia with maturation

Crude - 7 10 18 9 13 14 11 23 26 37 37 43 44 62 71 72 68 49



Normalized - 4 7 16 8 11 11 9 20 25 40 44 58 72 122 206 334

586 831



acute myeloid leukemia without maturation

Crude - 6 5 10 7 16 12 13 12 22 23 19 44 36 39 60 65 32 27



Normalized - 3 3 8 6 13 9 11 10 21 25 22 60 58 77 174 301 275

457

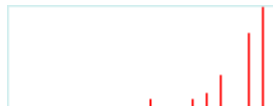


acute myeloid leukemia, 11q23 abnormalities

Crude - 1 0 0 0 1 0 1 1 1 3 0 0 2 3 4 0 3 2



Normalized - 0 0 0 0 0 0 0 0 0 3 0 0 3 5 11 0 25 33

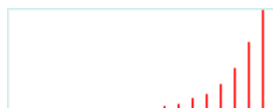


acute myeloid leukemia, m6 type

Crude - 11 2 5 3 7 11 8 14 21 20 44 64 96 112 111 114 99 73



Normalized - 6 1 4 2 5 8 6 12 20 21 52 87 157 221 322 528 853
1238

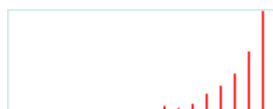


acute myeloid leukemia, minimal differentiation

Crude - 5 2 5 11 6 5 9 7 13 11 25 19 24 42 43 38 32 27



Normalized - 3 1 4 10 5 4 7 6 12 12 30 26 39 83 124 176 275
457



acute myeloid leukemia, t(8;21)(q22;q22)

Crude - 2 2 1 3 5 8 2 2 3 9 6 4 9 9 7 6 6 1



Normalized - 1 1 0 2 4 6 1 1 2 9 7 5 14 17 20 27 51 16

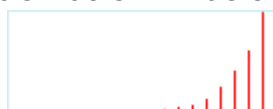


acute myeloid leukemia

Crude - 307 183 228 326 385 433 467 565 600 766 962 1224 1549
1972 2394 2367 1894 1509



Normalized - 187 136 203 305 329 350 400 497 583 837 1157
1678 2538 3905 6951 10982 16334 25593

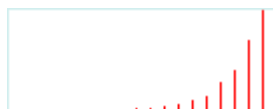


acute myelomonocytic leukemia

Crude - 30 13 21 28 40 56 61 61 91 94 101 133 188 204 263 241
223 158



Normalized - 18 9 18 26 34 45 52 53 88 102 121 182 308 404
763 1118 1923 2679



acute panmyelosis with myelofibrosis

Crude - 0 0 0 0 1 3 2 4 1 4 4 4 10 16 13 13 8 4



Normalized - 0 0 0 0 0 2 1 3 0 4 4 5 16 31 37 60 68 67



acute promyelocytic leuk., t(15;17) (q22;q11-12)

Crude - 19 21 38 48 68 60 104 79 92 83 88 66 84 64 85 77 34

30



Normalized - 11 15 33 44 58 48 89 69 89 90 105 90 137 126 246
357 293 508



adamantinoma of long bones

Crude - 1 1 2 2 3 3 6 0 5 0 3 1 2 1 0 0 0 0



Normalized - 0 0 1 1 2 2 5 0 4 0 3 1 3 1 0 0 0 0

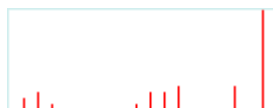


adamantinomatous craniopharyngioma

Crude - 4 5 2 0 1 1 0 1 2 3 3 3 0 0 0 1 0 1



Normalized - 2 3 1 0 0 0 0 0 1 3 3 4 0 0 0 4 0 16

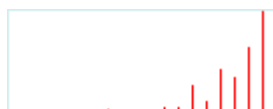


adenocarc. in situ in mult. adenomatous polyps

Crude - 0 0 1 0 0 0 3 1 0 0 3 3 11 4 10 5 5 4



Normalized - 0 0 0 0 0 0 2 0 0 0 3 4 18 7 29 23 43 67



adenocarcinoid tumor

Crude - 0 0 2 2 9 9 15 19 39 40 24 43 25 24 31 24 9 13



Normalized - 0 0 1 1 7 7 12 16 37 43 28 58 40 47 90 111 77
220



adenocarcinoma in adenoma. polyposis coli

Crude - 0 0 0 3 5 13 15 17 12 16 22 11 13 23 15 11 2 1



Normalized - 0 0 0 2 4 10 12 14 11 17 26 15 21 45 43 51 17 16



adenocarcinoma in adenomatous polyp

Crude - 0 0 2 4 13 28 64 165 335 670 1416 1924 2705 3399 3482
3065 2146 1462



Normalized - 0 0 1 3 11 22 54 145 325 732 1703 2638 4432 6732
10110 14220 18508 24795



adenocarcinoma in mult. adenomatous polyps

Crude - 0 0 0 0 2 3 4 1 3 11 16 7 18 26 17 24 13 6

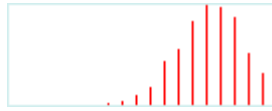


Normalized - 0 0 0 0 1 2 3 0 2 12 19 9 29 51 49 111 112 101



adenocarcinoma in situ in adenomatous polyp

Crude - 0 0 0 2 6 13 31 67 151 260 613 774 1149 1362 1348
 1211 721 455



Normalized - 0 0 0 1 5 10 26 59 146 284 737 1061 1882 2697
 3914 5618 6218 7716

**adenocarcinoma in situ in familial polyp. coli**

Crude - 0 0 1 0 0 2 3 2 2 1 2 1 4 2 2 4 3 0



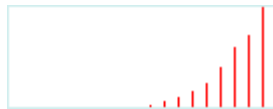
Normalized - 0 0 0 0 0 1 2 1 1 1 2 1 6 3 5 18 25 0

**adenocarcinoma in situ in tubulovillous adenoma**

Crude - 0 0 0 1 2 12 35 52 117 198 420 563 714 872 962 898
 580 405



Normalized - 0 0 0 0 1 9 29 45 113 216 505 771 1169 1727 2793
 4166 5002 6868

**adenocarcinoma in situ in villous adenoma**

Crude - 0 0 0 0 4 6 11 31 70 141 288 431 586 721 771 783 471
 358

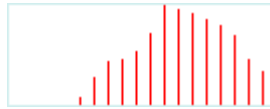


Normalized - 0 0 0 0 3 4 9 27 68 154 346 590 960 1428 2238
 3632 4062 6071



adenocarcinoma in situ

Crude - 0 0 0 10 72 221 351 367 418 556 769 741 721 671 624
 543 358 262



Normalized - 0 0 0 9 61 178 300 323 406 608 925 1016 1181
 1329 1811 2519 3087 4443



adenocarcinoma in tubulovillous adenoma

Crude - 0 0 1 0 11 28 57 148 309 554 1088 1469 1836 2444 2674
 2718 1898 1320



Normalized - 0 0 0 0 9 22 48 130 300 605 1309 2014 3008 4840
 7764 12610 16369 22387

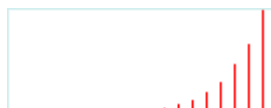


adenocarcinoma in villous adenoma

Crude - 0 0 0 1 4 17 58 132 229 472 895 1399 1947 2538 2711
 2687 2076 1588



Normalized - 0 0 0 0 3 13 49 116 222 516 1076 1918 3190 5026
 7871 12466 17904 26932

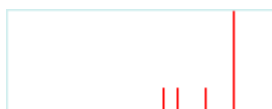


adenocarcinoma of anal glands

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 1 0 1 0 0



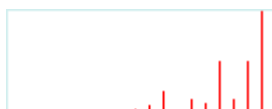
Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 1 0 4 0 0

**adenocarcinoma w cartilag. & oss. metaplas.**

Crude - 0 0 0 0 0 0 0 0 0 0 2 2 6 0 3 2 6 1 2 2



Normalized - 0 0 0 0 0 0 0 0 0 0 1 2 7 0 4 3 17 4 17 33

**adenocarcinoma with apocrine metaplasia**

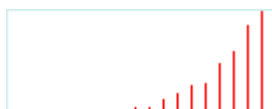
Crude - 0 0 0 0 0 0 0 1 0 4 6 7 2 2 5 5 7 1 2



Normalized - 0 0 0 0 0 0 0 0 0 3 6 8 2 3 9 14 32 8 33

**adenocarcinoma with mixed subtypes**

Crude - 0 0 0 0 2 4 2 11 34 38 83 100 123 113 127 99 76 44

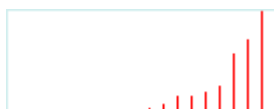
Normalized - 0 0 0 0 1 3 1 9 33 41 99 137 201 223 368 459 655
746

adenocarcinoma with neuroendocrine differen.

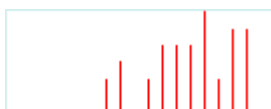
Crude - 0 0 0 0 0 1 0 0 5 6 9 15 13 13 11 15 10 7



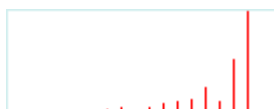
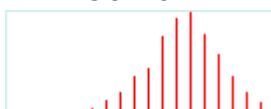
Normalized - 0 0 0 0 0 0 0 0 4 6 10 20 21 25 31 69 86 118

**adenocarcinoma with spindle cell mataplasia**

Crude - 0 0 0 0 0 0 0 2 3 0 2 4 4 4 6 2 5 5 0



Normalized - 0 0 0 0 0 0 0 1 2 0 2 4 5 6 11 5 23 43 0

**adenocarcinoma with squamous metaplasia**Crude - 0 0 0 1 9 36 83 146 249 307 529 645 680 532 398 251
139 81Normalized - 0 0 0 0 7 29 71 128 241 335 636 884 1114 1053
1155 1164 1198 1373**adenocarcinoma, endocervical type**

Crude - 0 0 0 0 2 10 17 19 15 21 11 5 5 1 1 6 2 0

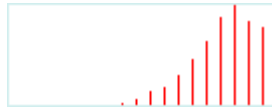


Normalized - 0 0 0 0 1 8 14 16 14 22 13 6 8 1 2 27 17 0



adenocarcinoma, intestinal type

Crude - 0 0 0 0 1 4 7 13 38 73 96 161 236 331 453 511 437 405



Normalized - 0 0 0 0 0 3 5 11 36 79 115 220 386 655 1315 2370
3768 6868

**adenocarcinoma, nos**

Crude - 3 5 11 98 400 1381 3510 7372 14808 29862 57728 94657
133178 169821 180242 154973 102551 71340



Normalized - 1 3 9 91 342 1117 3006 6497 14390 32664 69460
129790 218216 336359 523352 719032 884449 1209948

**adenoid basal cell carcinoma**

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 3 2 3 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 3 8 9 25 0

**adenoid cystic carcinoma**

Crude - 0 0 6 13 41 74 122 194 238 298 360 350 355 352 361
237 171 147



Normalized - 0 0 5 12 35 59 104 170 231 325 433 479 581 697
1048 1099 1474 2493



adenoma, nos

Crude - 0 1 1 3 5 8 11 6 10 23 17 17 8 13 9 6 10 5



Normalized - 0 0 0 2 4 6 9 5 9 25 20 23 13 25 26 27 86 84



adenosarcoma

Crude - 0 0 1 2 7 8 13 23 32 36 42 40 41 56 37 38 13 14



Normalized - 0 0 0 1 5 6 11 20 31 39 50 54 67 110 107 176 112
237



adenosquamous carcinoma

Crude - 1 0 2 0 18 101 215 342 486 605 947 1354 1596 1653
1597 1242 662 372



Normalized - 0 0 1 0 15 81 184 301 472 661 1139 1856 2615
3274 4637 5762 5709 6309



adrenal cortical carcinoma

Crude - 27 10 7 15 12 26 34 56 60 60 84 73 94 80 61 28 23 11



Normalized - 16 7 6 14 10 21 29 49 58 65 101 100 154 158 177
129 198 186



adult t-cell leukemia/lymphoma (htlv-1 pos.)

Crude - 2 0 1 0 5 2 4 15 3 6 9 6 10 8 12 18 16 9



Normalized - 1 0 0 0 4 1 3 13 2 6 10 8 16 15 34 83 137 152

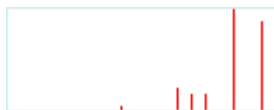


aggressive nk-cell leukemia

Crude - 0 0 0 1 0 1 0 2 0 0 0 3 2 2 0 4 0 1



Normalized - 0 0 0 0 0 0 0 1 0 0 0 4 3 3 0 18 0 16



alveolar adenocarcinoma

Crude - 0 0 0 0 0 1 2 2 8 15 17 46 60 80 69 41 34 15



Normalized - 0 0 0 0 0 0 1 1 7 16 20 63 98 158 200 190 293
254



alveolar rhabdomyosarcoma

Crude - 61 55 55 65 29 13 11 10 6 5 3 7 7 3 1 2 2 2



Normalized - 37 41 49 60 24 10 9 8 5 5 3 9 11 5 2 9 17 33



alveolar soft part sarcoma

Crude - 2 5 12 14 18 22 7 9 2 3 1 4 2 0 1 1 0 0



Normalized - 1 3 10 13 15 17 5 7 1 3 1 5 3 0 2 4 0 0

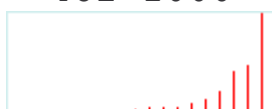


amelanotic melanoma

Crude - 0 0 2 4 19 24 23 36 42 63 60 57 72 74 81 92 56 59



Normalized - 0 0 1 3 16 19 19 31 40 68 72 78 117 146 235 426
482 1000

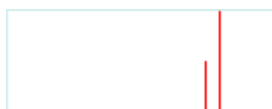


ameloblastic fibrosarcoma

Crude - 0 0 0 1 1 0 1 0 0 0 0 0 0 1 1 0 0 0

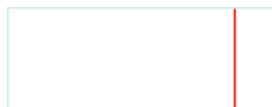


Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0

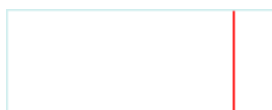


ameloblastic odontosarcoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 0 0



ameloblastoma, malignant

Crude - 0 1 1 5 5 5 7 7 4 6 8 5 8 11 3 7 3 3



Normalized - 0 0 0 4 4 4 5 6 3 6 9 6 13 21 8 32 25 50



anaplastic large cell lymphoma, t-cell and null cell type

Crude - 7 18 34 37 21 30 53 58 73 55 57 71 63 69 83 60 50 51



Normalized - 4 13 30 34 17 24 45 51 70 60 68 97 103 136 240
278 431 864

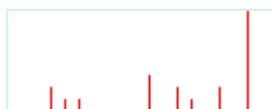


androblastoma, malignant

Crude - 0 0 3 2 2 1 0 0 0 3 0 2 1 0 1 0 1 0



Normalized - 0 0 2 1 1 0 0 0 0 3 0 2 1 0 2 0 8 0



angiimmunoblastic t-cell lymphoma

Crude - 0 0 1 0 1 1 4 3 10 9 18 24 27 35 34 31 24 19



Normalized - 0 0 0 0 0 0 0 3 2 9 9 21 32 44 69 98 143 206 322

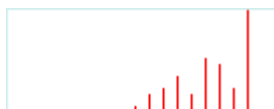


angiomatous meningioma

Crude - 0 1 1 0 0 0 0 1 0 2 3 4 5 2 5 3 1 2 0



Normalized - 0 0 0 0 0 0 0 0 0 1 3 4 6 3 9 8 4 17 0



angiomyosarcoma

Crude - 0 0 0 0 1 0 2 2 1 2 0 2 1 4 2 1 2 2 1



Normalized - 0 0 0 0 0 0 1 1 0 1 0 2 1 6 3 2 9 17 16



apocrine adenocarcinoma

Crude - 0 0 0 1 0 6 10 23 44 40 67 69 87 84 88 91 68 45



Normalized - 0 0 0 0 0 4 8 20 42 43 80 94 142 166 255 422 586

763



astroblastoma

Crude - 13 18 11 13 15 17 11 14 10 14 21 14 14 13 10 8 3 0



Normalized - 7 13 9 12 12 13 9 12 9 15 25 19 22 25 29 37 25 0



astrocytoma, anaplastic

Crude - 35 54 49 50 92 152 198 180 203 188 179 184 159 208
169 137 60 23



Normalized - 21 40 43 46 78 122 169 158 197 205 215 252 260
411 490 635 517 390



astrocytoma, nos

Crude - 291 323 329 291 345 460 534 529 519 505 595 668 680
794 631 485 240 116



Normalized - 177 241 293 272 295 372 457 466 504 552 715 915
1114 1572 1832 2250 2069 1967



atypical carcinoid tumor

Crude - 0 0 0 0 0 0 1 1 5 9 8 8 8 13 10 6 5 3



Normalized - 0 0 0 0 0 0 0 0 4 9 9 10 13 25 29 27 43 50

**atypical chronic myeloid leuk., bcr/abl negative**

Crude - 0 0 0 0 0 0 1 1 1 0 0 1 3 3 4 1 3 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 1 4 5 11 4 25 0

**atypical medullary carcinoma**

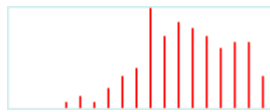
Crude - 0 0 0 0 0 0 9 10 10 14 11 29 11 8 5 6 3 4



Normalized - 0 0 0 0 0 0 7 8 9 15 13 39 18 15 14 27 25 67

**atypical meningioma**

Crude - 0 0 0 1 2 1 3 5 6 15 11 13 12 11 9 10 10 5



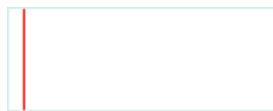
Normalized - 0 0 0 0 1 0 2 4 5 16 13 17 19 21 26 46 86 84

**atypical teratoid/rhabdoid tumor**

Crude - 19 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**b-cell chr. lymph. leuk./small lymphocytic lymphoma**

Crude - 3 0 1 2 5 14 71 177 441 898 1719 2618 3504 4332 4844
 4555 3630 3514



Normalized - 1 0 0 1 4 11 60 155 428 982 2068 3589 5741 8580
 14065 21133 31306 59598

**balloon cell melanoma**

Crude - 0 0 0 0 0 0 3 2 0 4 2 2 3 1 1 2 2 1 2



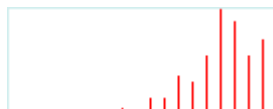
Normalized - 0 0 0 0 0 0 2 1 0 3 2 2 4 1 1 5 9 8 33

**basal cell adenocarcinoma**

Crude - 0 0 0 1 0 1 1 2 1 6 5 12 8 13 16 9 3 2



Normalized - 0 0 0 0 0 0 0 1 0 6 6 16 13 25 46 41 25 33

**basal cell carcinoma, fibroepithelial**

Crude - 0 0 0 0 0 0 0 0 0 0 1 1 2 3 2 1 2 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 1 2 4 3 2 9 0 0

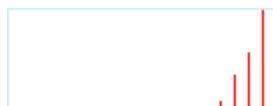


basal cell carcinoma, nodular

Crude - 0 0 0 0 0 0 0 1 0 0 0 1 4 2 3 4 8 7 6



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 5 3 5 11 37 60 101

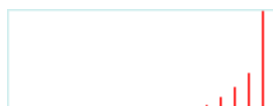


basal cell carcinoma, nos

Crude - 0 0 0 0 2 2 6 11 21 20 40 54 69 89 118 120 101 133



Normalized - 0 0 0 0 1 1 5 9 20 21 48 74 113 176 342 556 871
2255

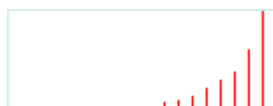


basaloid carcinoma

Crude - 0 0 0 0 0 0 3 9 12 12 49 53 57 72 66 52 42 34



Normalized - 0 0 0 0 0 0 2 7 11 13 58 72 93 142 191 241 362
576

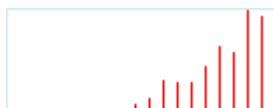


basaloid squamous cell carcinoma

Crude - 0 0 0 0 0 0 4 4 22 39 78 65 55 68 67 39 35 17



Normalized - 0 0 0 0 0 0 0 3 3 21 42 93 89 90 134 194 180 301
288

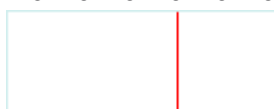


basophil adenoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

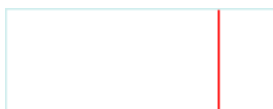


Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

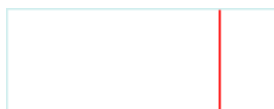


basophil carcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0

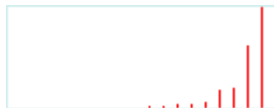


basosquamous carcinoma

Crude - 0 0 0 0 0 0 1 1 1 6 8 9 16 12 14 24 17 26 21

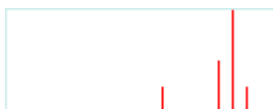


Normalized - 0 0 0 0 0 0 0 0 0 5 8 10 21 19 27 69 78 224 356

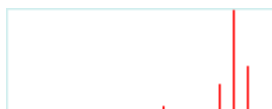


bile duct cystadenocarcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 2 4 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 5 18 8 0



blue nevus, malignant

Crude - 0 0 0 0 2 2 4 0 2 2 2 2 1 3 1 3 2 1



Normalized - 0 0 0 0 1 1 3 0 1 2 2 2 1 5 2 13 17 16



bowen disease

Crude - 0 0 0 23 88 193 256 309 283 264 241 236 200 195 170
136 56 50



Normalized - 0 0 0 21 75 156 219 272 275 288 289 323 327 386
493 631 482 848

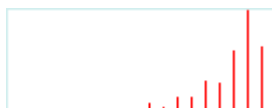


brenner tumor, malignant

Crude - 0 0 0 0 0 0 2 4 4 11 6 14 12 20 13 17 15 5



Normalized - 0 0 0 0 0 0 1 3 3 12 7 19 19 39 37 78 129 84



bronch.-alv. carc., mixed mucin. and non-mucinous

Crude - 0 0 0 0 0 1 0 0 0 1 2 3 3 1 4 6 2 3



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 2 4 4 1 11 27 17 50



bronchiolo-alveolar adenocarcinoma

Crude - 0 0 0 2 2 6 31 76 202 405 826 1262 1795 2122 2133
1746 887 386



Normalized - 0 0 0 1 1 4 26 66 196 443 993 1730 2941 4202
6193 8100 7649 6546



bronchiolo-alveolar carcinoma, mucinous

Crude - 0 0 0 0 1 1 0 3 1 13 13 12 33 31 45 31 19 9



Normalized - 0 0 0 0 0 0 0 2 0 14 15 16 54 61 130 143 163 152

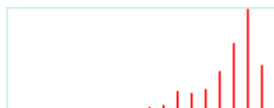


bronchiolo-alveolar carcinoma, non-mucinous

Crude - 0 0 0 0 0 0 0 0 1 3 7 8 27 19 20 26 27 22 5



Normalized - 0 0 0 0 0 0 0 0 0 2 7 9 37 31 39 75 125 189 84



burkitt cell leukemia

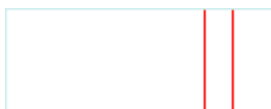
Crude - 11 11 7 5 3 6 4 5 6 9 4 6 5 8 12 7 6 3



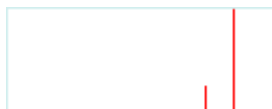
Normalized - 6 8 6 4 2 4 3 4 5 9 4 8 8 15 34 32 51 50

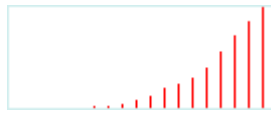
**burkitt lymphoma, nos**Crude - 81 154 141 95 67 91 125 137 141 103 86 76 50 58 68 59
43 34Normalized - 49 115 125 88 57 73 107 120 137 112 103 104 81
114 197 273 370 576**carcinofibroma**

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0

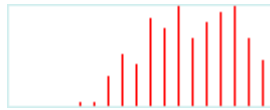


Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 4 0 0

**carcinoid tumor, malignant**Crude - 1 1 37 97 154 278 428 587 832 1149 1704 1805 1866
2027 1944 1551 985 582Normalized - 0 0 32 90 131 224 366 517 808 1256 2050 2474
3057 4014 5644 7196 8495 9870

**carcinoma in pleomorphic adenoma**

Crude - 0 0 0 0 1 1 6 10 8 17 15 19 13 16 18 19 13 9



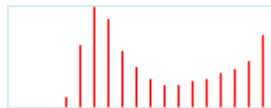
Normalized - 0 0 0 0 0 0 5 8 7 18 18 26 21 31 52 88 112 152

**carcinoma in situ, nos**

Crude - 0 1 10 1246 7767 13009 10970 6897 4420 2823 2096 1833
1736 1578 1298 871 563 453



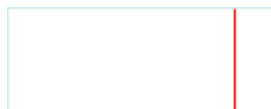
Normalized - 0 0 8 1167 6649 10523 9396 6078 4295 3087 2521
2513 2844 3125 3768 4041 4855 7683

**carcinoma showing thymus-like element**

Crude - 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0



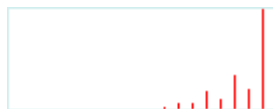
Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 0 0

**carcinoma simplex**

Crude - 0 0 0 0 0 0 0 0 2 2 3 6 5 12 5 9 3 7



Normalized - 0 0 0 0 0 0 0 0 0 1 2 3 8 8 23 14 41 25 118

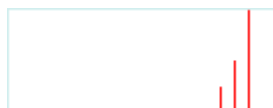


carcinoma with osteoclast-like giant cells

Crude - 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 1 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 8 0



carcinoma, anaplastic type, nos

Crude - 0 0 1 7 8 12 36 59 131 229 324 466 635 718 674 504
361 281



Normalized - 0 0 0 6 6 9 30 51 127 250 389 638 1040 1422 1957
2338 3113 4765



carcinoma, diffuse type

Crude - 0 0 0 1 4 7 21 27 44 71 91 104 125 151 187 196 120
118



Normalized - 0 0 0 0 3 5 17 23 42 77 109 142 204 299 542 909
1034 2001



carcinoma, nos

Crude - 10 6 15 87 264 535 954 1618 2691 4826 7628 11297

16033 21449 26016 28396 27512 33279

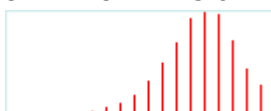


Normalized - 6 4 13 81 226 432 817 1425 2615 5278 9178 15490
26270 42483 75540 131749 237276 564422



carcinoma, undifferentiated type, nos

Crude - 1 1 7 22 27 42 104 161 298 525 828 1127 1543 1609
1579 1184 736 460



Normalized - 0 0 6 20 23 33 89 141 289 574 996 1545 2528 3186
4584 5493 6347 7801



carcinosarcoma, embryonal type

Crude - 0 0 0 0 0 1 0 0 0 1 1 3 3 4 1 4 0 2 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 3 4 6 1 11 0 17 0



carcinosarcoma, nos

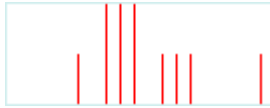
Crude - 0 0 0 0 1 8 12 16 44 73 143 239 286 363 364 283 252
180



Normalized - 0 0 0 0 0 6 10 14 42 79 172 327 468 718 1056
1313 2173 3052

**carotid body tumor, malignant**

Crude - 0 0 0 0 1 0 2 2 2 0 1 1 1 0 0 0 0 1



Normalized - 0 0 0 0 0 0 1 1 1 0 1 1 1 0 0 0 0 16

**cavernous hemangioma**

Crude - 2 1 1 0 6 3 2 4 2 2 5 4 1 2 1 2 0 0



Normalized - 1 0 0 0 0 5 2 1 3 1 2 6 5 1 3 2 9 0 0

**central osteosarcoma**

Crude - 0 0 1 4 1 0 0 0 0 1 0 0 0 0 0 0 0 0



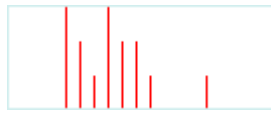
Normalized - 0 0 0 0 3 0 0 0 0 0 1 0 0 0 0 0 0 0

**central neurocytoma**

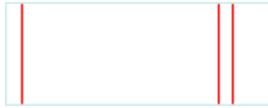
Crude - 0 0 0 4 3 2 4 3 3 1 0 0 0 1 0 0 0 0



Normalized - 0 0 0 0 3 2 1 3 2 2 1 0 0 0 1 0 0 0

**cerebellar sarcoma, nos**

Crude - 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 0 0

**ceruminous adenocarcinoma**

Crude - 0 0 0 0 0 0 1 0 1 0 1 1 2 1 0 5 1 1 2



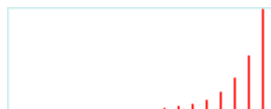
Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 1 2 1 0 14 4 8 33

**cholangiocarcinoma**

Crude - 0 0 1 1 5 17 18 72 118 180 259 368 430 559 663 701
628 590



Normalized - 0 0 0 0 4 13 15 63 114 196 311 504 704 1107 1925
3252 5416 10006

**chondroblastic osteosarcoma**

Crude - 3 7 38 54 32 16 14 11 9 7 8 4 7 4 4 3 3 3



Normalized - 1 5 33 50 27 12 11 9 8 7 9 5 11 7 11 13 25 50



chondroblastoma, malignant

Crude - 0 0 5 3 2 3 2 1 1 0 0 1 0 0 1 0 0 0



Normalized - 0 0 4 2 1 2 1 0 0 0 0 1 0 0 2 0 0 0

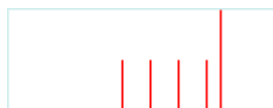


chondroid chordoma

Crude - 0 0 0 0 0 0 0 2 1 1 0 1 0 1 1 0 0 0

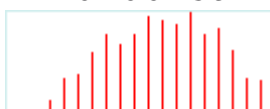


Normalized - 0 0 0 0 0 0 0 1 0 1 0 1 0 1 2 0 0 0



chondrosarcoma, nos

Crude - 2 2 24 64 70 112 145 126 147 178 171 164 184 145 157
116 66 59



Normalized - 1 1 21 59 59 90 124 111 142 194 205 224 301 287
455 538 569 1000

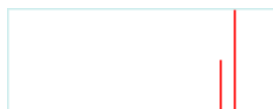


chordoid glioma

Crude - 0 1 1 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 0 0

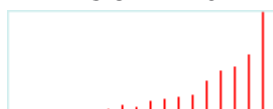


chordoma, nos

Crude - 3 4 14 12 21 17 27 44 29 49 54 54 49 73 64 44 30 26



Normalized - 1 2 12 11 17 13 23 38 28 53 64 74 80 144 185 204
258 440



choriocarcinoma combined w/ other germ cell elements

Crude - 0 0 5 59 136 148 99 46 30 18 7 5 1 2 0 0 0 0



Normalized - 0 0 4 55 116 119 84 40 29 19 8 6 1 3 0 0 0 0



choriocarcinoma

Crude - 1 0 8 92 152 189 136 88 50 55 19 13 9 9 5 2 3 1



Normalized - 0 0 7 86 130 152 116 77 48 60 22 17 14 17 14 9
25 16



choroid plexus papilloma, malignant

Crude - 32 4 4 0 2 3 2 2 2 0 4 2 2 0 0 0 0 1



Normalized - 19 2 3 0 1 2 1 1 1 0 4 2 3 0 0 0 0 16



choroid plexus papilloma, nos

Crude - 5 0 3 3 2 1 2 0 2 0 0 2 0 1 0 0 0 0



Normalized - 3 0 2 2 1 0 1 0 1 0 0 2 0 1 0 0 0 0



chromophobe adenoma

Crude - 0 0 0 0 0 0 1 3 0 2 3 0 2 0 0 0 1 0



Normalized - 0 0 0 0 0 0 0 2 0 2 3 0 3 0 0 0 8 0



chromophobe carcinoma

Crude - 0 0 1 1 1 2 2 2 1 10 10 5 2 1 11 6 2 0



Normalized - 0 0 0 0 0 1 1 1 0 10 12 6 3 1 31 27 17 0



chronic myelogenous leukemia, bcr/abl positive

Crude - 0 0 2 8 10 9 14 14 24 27 25 17 21 25 21 15 12 4



Normalized - 0 0 1 7 8 7 11 12 23 29 30 23 34 49 60 69 103 67



chronic myeloid leukemia, nos

Crude - 51 30 56 110 185 318 437 536 540 577 704 771 889 1034
1068 1126 949 899



Normalized - 31 22 49 103 158 257 374 472 524 631 847 1057
1456 2048 3101 5224 8184 15247

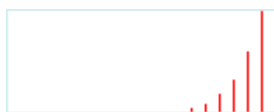


chronic myelomonocytic leukemia, nos

Crude - 3 0 0 1 1 7 7 15 15 19 46 56 125 210 307 349 347 290



Normalized - 1 0 0 0 0 5 5 13 14 20 55 76 204 415 891 1619
2992 4918



chronic myeloproliferative disease, nos

Crude - 2 0 0 2 1 2 5 13 12 29 26 29 49 65 83 105 89 74



Normalized - 1 0 0 1 0 1 4 11 11 31 31 39 80 128 240 487 767
1255



chronic neutrophilic leukemia

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 3 0 1



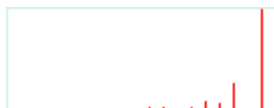
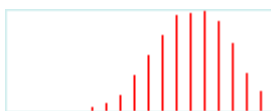
Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 0 13 0 16

**clear cell adenocarcinofibroma**

Crude - 0 0 0 0 0 0 0 0 0 0 1 1 0 1 2 1 2 0 2



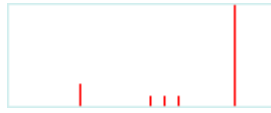
Normalized - 0 0 0 0 0 0 0 0 0 0 1 1 0 1 3 2 9 0 33

**clear cell adenocarcinoma, nos**Crude - 2 5 5 29 57 118 253 507 1076 1630 2182 2768 2811 2861
2592 1948 1138 575Normalized - 1 3 4 27 48 95 216 446 1045 1782 2625 3795 4605
5666 7526 9038 9814 9752**clear cell chondrosarcoma**

Crude - 0 0 0 0 0 3 0 0 1 1 1 1 1 0 0 0 2 0 0

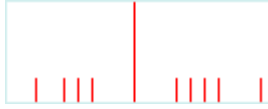


Normalized - 0 0 0 0 0 2 0 0 0 0 0 1 1 1 0 0 0 9 0 0



clear cell meningioma

Crude - 0 1 0 1 1 1 0 0 4 0 0 1 1 1 1 0 0 1



Normalized - 0 0 0 0 0 0 0 0 3 0 0 1 1 1 2 0 0 16



clear cell sarcoma of kidney

Crude - 30 6 0 0 1 1 1 1 1 1 2 2 3 1 3 0 2 0



Normalized - 18 4 0 0 0 0 0 0 0 0 1 2 2 4 1 8 0 17 0



clear cell sarcoma, nos (except of kidney m-8964/3)

Crude - 2 1 4 13 13 11 7 7 12 11 10 10 6 2 7 3 3 1



Normalized - 1 0 3 12 11 8 5 6 11 12 12 13 9 3 20 13 25 16

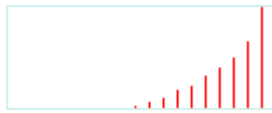


cloacogenic carcinoma

Crude - 0 0 0 0 2 3 9 25 48 91 120 172 181 210 182 142 98 75



Normalized - 0 0 0 0 1 2 7 22 46 99 144 235 296 415 528 658
845 1272



collecting duct carcinoma

Crude - 0 0 0 1 1 0 2 1 2 6 6 5 6 10 4 6 6 1



Normalized - 0 0 0 0 0 0 1 0 1 6 7 6 9 19 11 27 51 16



comb. hepatocel. carcinoma & cholangiocarcinoma

Crude - 0 0 1 1 0 1 5 2 9 20 31 17 47 41 38 38 20 6



Normalized - 0 0 0 0 0 0 4 1 8 21 37 23 77 81 110 176 172 101



combined small cell carcinoma

Crude - 0 0 0 0 2 0 1 3 2 17 30 60 81 113 107 82 46 13



Normalized - 0 0 0 0 1 0 0 2 1 18 36 82 132 223 310 380 396
220



comedocarcinoma, non-infiltrating

Crude - 0 0 0 1 4 25 114 353 923 1182 1272 1332 1057 1126 964
768 384 174



Normalized - 0 0 0 0 3 20 97 311 897 1292 1530 1826 1731 2230
2799 3563 3311 2951



comedocarcinoma, nos

Crude - 0 0 0 0 8 71 225 450 738 885 866 817 798 721 543 405
234 130



Normalized - 0 0 0 0 6 57 192 396 717 968 1041 1120 1307 1428
1576 1879 2018 2204



composite carcinoid

Crude - 0 0 0 0 0 1 6 8 7 11 15 12 23 24 13 10 4



Normalized - 0 0 0 0 0 0 5 7 7 13 20 19 45 69 60 86 67



composite hodgkin and non-hodgkin lymphoma

Crude - 0 0 0 0 0 0 2 0 0 1 1 1 2 2 5 3 2 1



Normalized - 0 0 0 0 0 0 1 0 0 1 1 1 3 3 14 13 17 16



craniopharyngioma

Crude - 5 5 2 2 1 3 4 0 5 7 6 5 3 1 0 1 2 1



Normalized - 3 3 1 1 0 2 3 0 4 7 7 6 4 1 0 4 17 16



cribriform carcinoma in situ

Crude - 0 0 0 0 1 3 10 70 241 344 439 373 328 302 282 246 132
68



Normalized - 0 0 0 0 0 2 8 61 234 376 528 511 537 598 818
1141 1138 1153



cribriform carcinoma

Crude - 0 1 0 0 2 3 12 19 38 70 72 68 81 107 123 144 85 55



Normalized - 0 0 0 0 1 2 10 16 36 76 86 93 132 211 357 668
733 932



cutaneous t-cell lymphoma, nos

Crude - 0 3 2 5 7 15 36 48 54 79 116 101 97 115 130 125 63 49



Normalized - 0 2 1 4 5 12 30 42 52 86 139 138 158 227 377 579
543 831



cyst-associated renal cell carcinoma

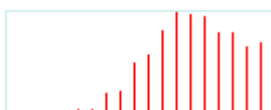
Crude - 0 0 0 0 0 2 7 12 20 29 23 18 17 21 30 11 8 9



Normalized - 0 0 0 0 0 1 5 10 19 31 27 24 27 41 87 51 68 152

**cystadenocarcinoma, nos**

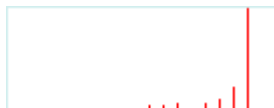
Crude - 0 0 0 5 6 6 27 31 69 79 112 135 134 132 108 110 91 97

Normalized - 0 0 0 4 5 4 23 27 67 86 134 185 219 261 313 510
784 1645**dedifferentiated chondrosarcoma**

Crude - 0 0 0 0 0 0 0 0 0 0 4 4 4 1 3 3 4 9 0



Normalized - 0 0 0 0 0 0 0 0 0 0 4 4 5 1 5 8 18 77 0

**dedifferentiated liposarcoma**

Crude - 0 0 1 0 0 2 5 10 15 15 31 20 33 41 44 30 29 11

Normalized - 0 0 0 0 0 1 4 8 14 16 37 27 54 81 127 139 250
186

**dermatofibrosarcoma, nos**

Crude - 21 24 75 113 253 400 422 473 425 364 287 220 160 109
122 71 60 35



Normalized - 12 17 66 105 216 323 361 416 413 398 345 301 262
215 354 329 517 593

**dermoid cyst, nos**

Crude - 1 0 0 0 0 0 0 1 1 0 1 1 0 0 0 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 4 0 0

**desmoplastic medulloblastoma**

Crude - 28 11 9 8 10 5 8 7 4 5 3 0 1 1 0 0 0 0



Normalized - 17 8 8 7 8 4 6 6 3 5 3 0 1 1 0 0 0 0

**desmoplastic melanoma, malignant**

Crude - 0 0 1 0 3 5 22 27 40 43 65 53 77 85 100 89 100 73



Normalized - 0 0 0 0 2 4 18 23 38 47 78 72 126 168 290 412
862 1238



desmoplastic small round cell tumor

Crude - 0 1 8 3 5 6 8 4 1 0 1 0 0 1 0 1 0 0



Normalized - 0 0 7 2 4 4 6 3 0 0 1 0 0 1 0 4 0 0



duct carcinoma in situ, solid type

Crude - 0 0 0 0 0 4 13 42 142 186 253 240 174 182 138 156 92
47



Normalized - 0 0 0 0 0 3 11 37 138 203 304 329 285 360 400
723 793 797



duct carcinoma, desmoplastic type

Crude - 0 0 0 0 0 0 0 0 1 0 0 1 0 1 2 1 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 1 3 2 4 0 0



dysembryoplastic neuroepithelial tumor

Crude - 2 3 4 2 3 1 4 2 2 2 0 0 0 0 0 0 0 0

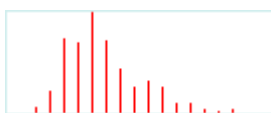


Normalized - 1 2 3 1 2 0 3 1 1 2 0 0 0 0 0 0 0 0



dysgerminoma

Crude - 0 14 43 139 132 184 135 84 50 60 51 22 21 10 7 11 2 1



Normalized - 0 10 38 130 113 148 115 74 48 65 61 30 34 19 20
51 17 16



dysplastic gangliocytoma of cerebellum (lhermitte-duclos)

Crude - 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0



eccrine adenocarcinoma

Crude - 0 0 0 0 1 1 1 1 2 3 2 3 5 8 8 7 5 5

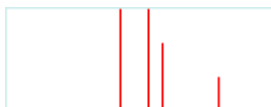


Normalized - 0 0 0 0 0 0 0 0 1 3 2 4 8 15 23 32 43 84



eccrine papillary adenocarcinoma

Crude - 0 0 0 0 0 0 0 0 3 0 3 2 0 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 2 0 3 2 0 0 0 2 0 0 0

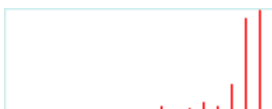


eccrine poroma, malignant

Crude - 0 0 0 0 0 1 1 0 2 2 5 2 3 5 2 6 11 6

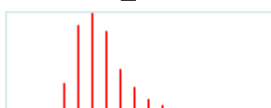


Normalized - 0 0 0 0 0 0 0 0 1 2 6 2 4 9 5 27 94 101



embryonal carcinoma, nos

Crude - 32 4 17 237 679 762 634 346 207 111 63 37 25 13 8 3 4
2

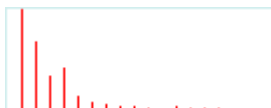


Normalized - 19 2 15 222 581 616 543 304 201 121 75 50 40 25
23 13 34 33



embryonal rhabdomyosarcoma

Crude - 244 166 86 106 38 21 19 13 13 6 4 12 6 9 5 2 4 2



Normalized - 148 124 76 99 32 16 16 11 12 6 4 16 9 17 14 9 34
33

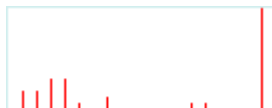


embryonal sarcoma

Crude - 6 5 6 6 2 0 3 0 0 0 0 0 1 1 0 0 0 1



Normalized - 3 3 5 5 1 0 2 0 0 0 0 0 0 1 1 0 0 0 16

**endometrial stromal sarcoma, low grade**

Crude - 0 0 0 0 1 3 13 18 31 52 38 13 7 5 6 4 1 2



Normalized - 0 0 0 0 0 2 11 15 30 56 45 17 11 9 17 18 8 33

**endometrial stromal sarcoma**

Crude - 0 0 0 4 4 17 36 63 101 139 105 90 71 75 76 61 34 27

Normalized - 0 0 0 3 3 13 30 55 98 152 126 123 116 148 220
283 293 457**endometrioid adenocarcinoma, ciliated cell variant**

Crude - 0 0 0 0 0 0 0 2 0 1 1 0 3 0 1 3 1 0



Normalized - 0 0 0 0 0 0 0 1 0 1 1 0 4 0 2 13 8 0



endometrioid adenocarcinoma, secretory variant

Crude - 0 0 0 0 1 1 0 4 2 4 5 4 5 4 6 2 1 0



Normalized - 0 0 0 0 0 0 0 0 3 1 4 6 5 8 7 17 9 8 0

**endometrioid adenofibroma, malignant**

Crude - 0 0 0 0 0 1 2 1 3 1 2 6 6 1 2 8 5 1



Normalized - 0 0 0 0 0 0 0 1 0 2 1 2 8 9 1 5 37 43 16

**endometrioid carcinoma**Crude - 0 0 0 5 33 114 339 766 1404 2278 3376 3849 3511 3277
2862 2311 1624 956Normalized - 0 0 0 4 28 92 290 675 1364 2491 4062 5277 5752
6490 8310 10722 14006 16214**enterochromaffin cell carcinoid**

Crude - 0 0 0 3 1 4 7 5 4 9 18 17 28 16 26 16 9 3



Normalized - 0 0 0 2 0 3 5 4 3 9 21 23 45 31 75 74 77 50



ependymoma, anaplastic

Crude - 43 15 12 6 3 12 2 8 11 7 7 6 2 3 1 0 0 1



Normalized - 26 11 10 5 2 9 1 7 10 7 8 8 3 5 2 0 0 16

**ependymoma, nos**Crude - 218 71 74 49 67 106 94 103 107 107 94 93 69 60 37 27
8 4Normalized - 132 53 65 45 57 85 80 90 103 117 113 127 113 118
107 125 68 67**epithel. mesothelioma, mal.**

Crude - 0 0 0 1 2 5 5 11 20 55 78 143 165 179 196 210 129 64

Normalized - 0 0 0 0 1 4 4 9 19 60 93 196 270 354 569 974
1112 1085**epithelial-myoepithelial carcinoma**

Crude - 0 0 1 0 0 1 3 6 3 9 18 10 10 13 12 14 9 9



Normalized - 0 0 0 0 0 0 2 5 2 9 21 13 16 25 34 64 77 152

**epithelioid cell melanoma**

Crude - 0 1 1 3 7 8 14 13 24 28 30 50 37 56 49 38 19 23



Normalized - 0 0 0 2 5 6 11 11 23 30 36 68 60 110 142 176 163
390

**epithelioid hemangioendothelioma, malignant**

Crude - 0 0 1 6 5 2 10 12 10 6 12 8 9 7 4 8 3 1



Normalized - 0 0 0 5 4 1 8 10 9 6 14 10 14 13 11 37 25 16

**epithelioid leiomyosarcoma**

Crude - 0 1 1 6 4 8 9 19 26 47 41 56 59 55 65 37 32 20



Normalized - 0 0 0 5 3 6 7 16 25 51 49 76 96 108 188 171 275
339

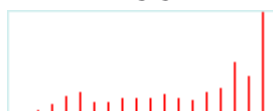
**epithelioid sarcoma**

Crude - 1 6 14 24 34 18 18 24 21 20 22 14 11 14 12 15 6 8



Normalized - 0 4 12 22 29 14 15 21 20 21 26 19 18 27 34 69 51

135

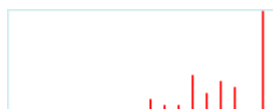


epithelioma, malignant

Crude - 0 0 0 0 0 0 0 0 1 0 2 1 1 4 2 2 1 0 1



Normalized - 0 0 0 0 0 0 0 0 0 0 2 1 1 6 3 5 4 0 16



essential thrombocythemia

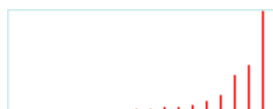
Crude - 1 2 1 2 12 14 18 24 44 67 66 73 91 102 110 151 106

114



Normalized - 0 1 0 1 10 11 15 21 42 73 79 100 149 202 319 700

914 1933



ewing sarcoma

Crude - 34 127 262 296 146 76 44 30 22 16 13 5 5 4 4 2 1 1



Normalized - 20 94 233 277 124 61 37 26 21 17 15 6 8 7 11 9 8

16



extra-adrenal paraganglioma, malignant

Crude - 0 0 1 1 2 2 3 5 3 3 3 4 5 1 2 0 0 0



Normalized - 0 0 0 0 1 1 2 4 2 3 3 5 8 1 5 0 0 0



fascial fibrosarcoma

Crude - 1 0 1 1 1 2 3 4 2 2 5 5 6 3 3 2 1 4

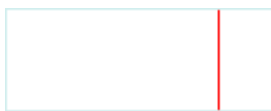


Normalized - 0 0 0 0 0 1 2 3 1 2 6 6 9 5 8 9 8 67



fetal adenocarcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0



fibrillary astrocytoma

Crude - 40 36 34 24 41 54 80 56 56 46 53 44 55 63 45 23 8 6



Normalized - 24 26 30 22 35 43 68 49 54 50 63 60 90 124 130
106 68 101



fibroblastic osteosarcoma

Crude - 0 4 15 19 13 11 6 5 4 12 5 7 4 3 4 1 0 1



Normalized - 0 2 13 17 11 8 5 4 3 13 6 9 6 5 11 4 0 16

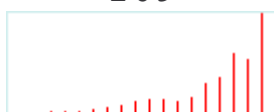


fibromyxosarcoma

Crude - 2 2 7 6 7 12 16 16 24 24 23 16 18 27 22 22 11 10



Normalized - 1 1 6 5 5 9 13 14 23 26 27 21 29 53 63 102 94
169

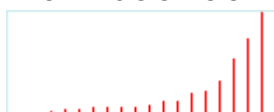


fibrosarcoma, nos

Crude - 18 13 27 44 57 67 73 77 71 76 97 90 117 98 101 104 76
52



Normalized - 10 9 24 41 48 54 62 67 69 83 116 123 191 194 293
482 655 881



fibrous histiocytoma, malignant

Crude - 18 19 32 84 89 116 169 198 258 308 346 460 555 640
729 692 600 499



Normalized - 10 14 28 78 76 93 144 174 250 336 416 630 909
1267 2116 3210 5174 8463



fibrous meningioma

Crude - 0 0 0 0 0 1 1 5 4 8 14 17 20 9 14 7 7 3 1



Normalized - 0 0 0 0 0 0 0 4 3 7 15 20 27 14 27 20 32 25 16

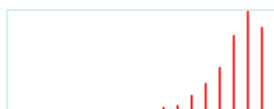


fibrous mesothelioma, malignant

Crude - 0 0 0 0 0 0 3 9 11 10 23 26 54 78 84 89 62 27



Normalized - 0 0 0 0 0 0 0 2 7 10 10 27 35 88 154 243 412 534
457



follicular adenocarcinoma trabecular

Crude - 0 0 0 3 6 8 10 8 16 13 20 16 12 9 11 5 0 4



Normalized - 0 0 0 2 5 6 8 7 15 14 24 21 19 17 31 23 0 67



follicular adenocarcinoma well diff.

Crude - 0 1 0 9 34 53 61 52 40 52 43 40 27 36 28 20 14 7



Normalized - 0 0 0 8 29 42 52 45 38 56 51 54 44 71 81 92 120
118

**follicular adenocarcinoma, nos**

Crude - 0 3 24 73 168 266 356 382 394 382 344 309 315 302 281
221 131 99



Normalized - 0 2 21 68 143 215 304 336 382 417 413 423 516
598 815 1025 1129 1679

**follicular carcinoma, minimally invasive**

Crude - 0 0 2 7 11 10 21 19 33 30 22 18 9 9 11 8 2 3



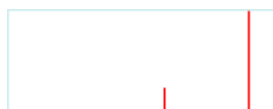
Normalized - 0 0 1 6 9 8 17 16 32 32 26 24 14 17 31 37 17 50

**follicular dendritic cell sarcoma**

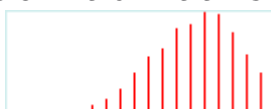
Crude - 0 0 0 0 1 0 0 1 1 0 2 0 0 0 0 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 8 0

**follicular lymphoma, grade 1**

Crude - 0 0 5 6 19 100 214 360 564 750 935 1064 1082 1125
1098 796 499 321



Normalized - 0 0 4 5 16 80 183 317 548 820 1125 1458 1772
 2228 3188 3693 4303 5444



follicular lymphoma, grade 2

Crude - 0 0 1 6 20 55 104 195 328 451 552 655 674 729 740 651
 411 240



Normalized - 0 0 0 5 17 44 89 171 318 493 664 898 1104 1443
 2148 3020 3544 4070



follicular lymphoma, grade 3

Crude - 0 3 3 7 11 40 65 108 180 250 290 379 395 442 439 358
 261 183



Normalized - 0 2 2 6 9 32 55 95 174 273 348 519 647 875 1274
 1661 2250 3103



follicular lymphoma, nos

Crude - 2 2 4 4 18 47 60 94 165 222 312 367 391 414 411 393
 268 171



Normalized - 1 1 3 3 15 38 51 82 160 242 375 503 640 819 1193
 1823 2311 2900

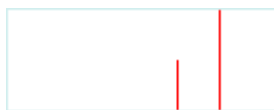


gangliocytoma

Crude - 0 0 1 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 2 0 0 0

**ganglioglioma, anaplastic**

Crude - 1 2 2 5 2 2 2 1 0 2 0 2 1 0 0 1 0 0



Normalized - 0 1 1 4 1 1 1 0 0 2 0 2 1 0 0 4 0 0

**ganglioglioma, nos**

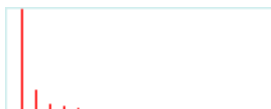
Crude - 8 6 13 10 7 8 2 4 5 2 3 1 0 0 0 0 0 0



Normalized - 4 4 11 9 5 6 1 3 4 2 3 1 0 0 0 0 0 0

**ganglioneuroblastoma**

Crude - 211 46 13 10 6 3 3 1 1 1 1 2 3 3 1 3 0 0



Normalized - 128 34 11 9 5 2 2 0 0 1 1 2 4 5 2 13 0 0



gastrinoma, malignant

Crude - 0 0 1 1 4 1 8 13 11 11 13 16 10 12 8 6 1 0



Normalized - 0 0 0 0 3 6 11 10 12 15 21 16 23 23 27 8 0

**gastrointestinal stromal sarcoma**Crude - 0 1 1 4 8 16 23 39 64 117 130 145 134 129 145 138 102
67Normalized - 0 0 0 3 6 12 19 34 62 127 156 198 219 255 421
640 879 1136**gemistocytic astrocytoma**

Crude - 4 2 2 2 8 21 50 54 51 45 40 33 40 43 34 21 8 3



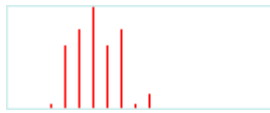
Normalized - 2 1 1 1 6 16 42 47 49 49 48 45 65 85 98 97 68 50

**germ cell tumor, nonseminomatous**

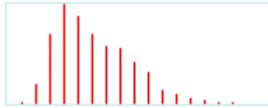
Crude - 0 0 2 13 18 24 15 18 2 3 0 0 0 0 0 0 0 0



Normalized - 0 0 1 12 15 19 12 15 1 3 0 0 0 0 0 0 0 0

**germinoma**

Crude - 4 25 83 116 104 83 68 66 49 39 17 13 9 6 3 4 1 0



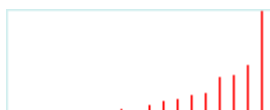
Normalized - 2 18 74 108 89 67 58 58 47 42 20 17 14 11 8 18 8
0

**giant cell and spindle cell carcinoma**

Crude - 0 0 0 1 0 1 2 8 5 18 28 28 31 30 37 24 17 18



Normalized - 0 0 0 0 0 0 1 7 4 19 33 38 50 59 107 111 146 305

**giant cell carcinoma**

Crude - 0 0 0 0 1 1 4 14 27 80 97 124 151 179 162 125 70 30



Normalized - 0 0 0 0 0 0 3 12 26 87 116 170 247 354 470 579
603 508

**giant cell glioblastoma**

Crude - 4 2 4 7 10 4 6 12 13 20 5 12 16 22 15 15 3 2



Normalized - 2 1 3 6 8 3 5 10 12 21 6 16 26 43 43 69 25 33

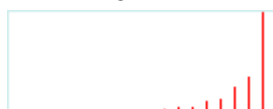


giant cell sarcoma

Crude - 1 2 3 2 4 6 5 12 14 21 24 35 30 41 34 36 27 37



Normalized - 0 1 2 1 3 4 4 10 13 22 28 47 49 81 98 167 232
627



giant cell tumor of bone, malignant

Crude - 0 0 5 7 16 25 9 12 10 9 2 8 1 0 7 2 2 3



Normalized - 0 0 4 6 13 20 7 10 9 9 2 10 1 0 20 9 17 50

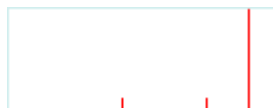


glassy cell carcinoma

Crude - 0 0 0 1 0 0 0 2 1 0 0 0 0 1 0 0 1 0

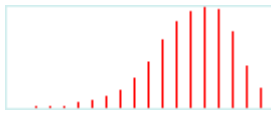


Normalized - 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 8 0

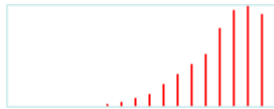


glioblastoma, nos

Crude - 38 68 91 103 165 240 335 540 862 1268 1877 2365 2643
2745 2727 2113 1174 553



Normalized - 23 50 81 96 141 194 286 475 837 1387 2258 3242
4330 5436 7918 9803 10125 9379



glioma, malignant

Crude - 274 299 185 91 83 106 123 145 132 143 173 192 216 259
270 254 231 161



Normalized - 166 223 164 85 71 85 105 127 128 156 208 263 353
512 783 1178 1992 2730



gliomatosis cerebri

Crude - 1 1 2 0 1 2 2 1 1 2 2 2 2 7 7 4 5 0



Normalized - 0 0 1 0 0 1 1 0 0 2 2 2 3 13 20 18 43 0

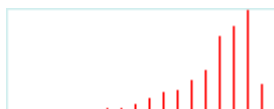


gliosarcoma

Crude - 0 0 1 2 1 3 8 8 14 23 30 29 35 37 47 33 21 3



Normalized - 0 0 0 1 0 2 6 7 13 25 36 39 57 73 136 153 181 50

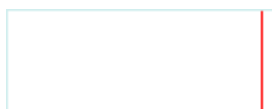


glomangiosarcoma

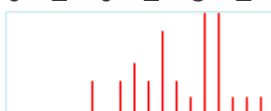
Crude - 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16

**glucagonoma, malignant**

Crude - 0 0 0 0 0 2 0 2 3 2 5 2 1 6 6 1 1 1



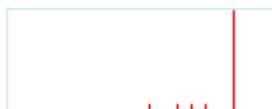
Normalized - 0 0 0 0 0 0 1 0 1 2 2 6 2 1 11 17 4 8 16

**glycogen-rich carcinoma**

Crude - 0 0 0 0 0 0 0 1 0 0 1 0 1 1 1 0 3 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 13 0 0

**goblet cell carcinoid**

Crude - 0 0 0 0 3 4 8 24 29 29 29 36 23 31 14 18 10 7



Normalized - 0 0 0 0 2 3 6 21 28 31 34 49 37 61 40 83 86 118



granular cell carcinoma

Crude - 0 0 2 2 2 3 15 19 40 58 74 104 135 121 136 127 78 31

Normalized - 0 0 1 1 1 2 12 16 38 63 89 142 221 239 394 589
672 525**granular cell tumor, malignant**

Crude - 1 0 1 1 3 3 1 2 5 7 5 5 8 2 5 2 3 2



Normalized - 0 0 0 0 2 2 0 1 4 7 6 6 13 3 14 9 25 33

**granulosa cell tumor, malignant**

Crude - 1 2 3 9 9 24 36 49 72 93 113 91 76 73 49 42 24 14

Normalized - 0 1 2 8 7 19 30 43 69 101 135 124 124 144 142
194 206 237**granulosa cell-theca cell tumor, mal.**

Crude - 0 0 0 0 0 0 0 0 0 2 2 1 1 3 1 3 0 1 0

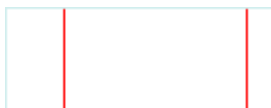


Normalized - 0 0 0 0 0 0 0 0 0 1 2 1 1 4 1 8 0 8 0

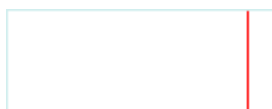


gynandroblastoma, malignant

Crude - 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 0



hairy cell leukemia

Crude - 0 0 0 1 7 18 64 129 196 235 246 237 216 235 203 165
116 79



Normalized - 0 0 0 0 5 14 54 113 190 257 295 324 353 465 589
765 1000 1339

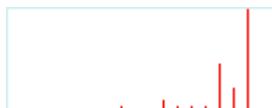


heavy chain disease, nos

Crude - 0 0 0 0 0 0 0 2 1 0 2 1 1 1 3 1 2 0



Normalized - 0 0 0 0 0 0 0 1 0 0 2 1 1 1 8 4 17 0



hemangioblastoma

Crude - 1 0 1 1 5 7 7 9 11 6 6 18 6 3 2 0 0 3



Normalized - 0 0 0 0 4 5 5 7 10 6 7 24 9 5 5 0 0 50



hemangioendothelioma, malignant

Crude - 4 2 3 6 10 3 9 6 11 15 13 8 14 12 12 15 9 7



Normalized - 2 1 2 5 8 2 7 5 10 16 15 10 22 23 34 69 77 118

**hemangioma, nos**

Crude - 1 2 0 1 4 3 2 1 3 3 4 6 2 1 0 2 1 0



Normalized - 0 1 0 0 3 2 1 0 2 3 4 8 3 1 0 9 8 0

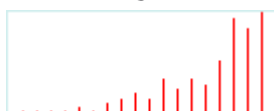
**hemangiopericytoma, malignant**

Crude - 8 6 5 6 13 8 22 25 33 21 44 29 32 23 28 31 15 9



Normalized - 4 4 4 5 11 6 18 22 32 22 52 39 52 45 81 143 129

152

**hemangiopericytoma, nos**

Crude - 0 0 0 0 0 1 0 1 2 1 0 1 2 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 1 1 0 1 3 1 0 0 0

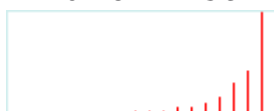


hemangiosarcoma

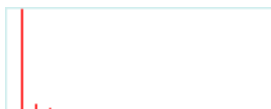
Crude - 4 2 2 10 27 36 47 47 57 71 78 121 115 149 152 165 125
145



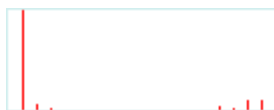
Normalized - 2 1 1 9 23 29 40 41 55 77 93 165 188 295 441 765
1078 2459

**hepatoblastoma**

Crude - 262 17 7 4 0 1 1 0 0 0 1 0 1 2 3 1 2 1



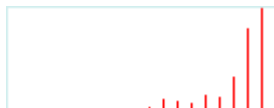
Normalized - 159 12 6 3 0 0 0 0 0 0 0 1 0 1 3 8 4 17 16

**hepatocellular carcinoma, clear cell type**

Crude - 0 0 1 0 0 0 1 1 0 3 8 6 4 7 4 6 8 5



Normalized - 0 0 0 0 0 0 0 0 0 3 9 8 6 13 11 27 68 84

**hepatocellular carcinoma, fibrolamellar**

Crude - 0 1 1 11 20 11 5 9 3 5 5 3 5 5 5 4 2 1



Normalized - 0 0 0 10 17 8 4 7 2 5 6 4 8 9 14 18 17 16



hepatocellular carcinoma, nos

Crude - 11 19 30 30 61 94 160 288 626 1332 2006 2249 2537
2833 2910 2499 1436 836



Normalized - 6 14 26 28 52 76 137 253 608 1457 2413 3083 4156
5611 8449 11594 12384 14178

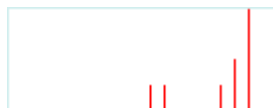


hepatocellular carcinoma, scirrhus

Crude - 0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 1 1 1 0

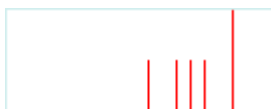


Normalized - 0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 2 4 8 0

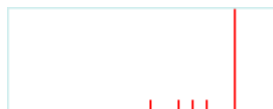


hepatocellular carcinoma, spindle cell variant

Crude - 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 2 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 9 0 0

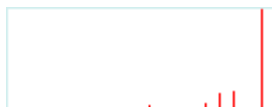


hepatoid adenocarcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 2 0 0 0 2 3 2 0 3



Normalized - 0 0 0 0 0 0 0 0 0 0 2 0 0 0 3 8 9 0 50



hepatosplenic gamma-delta cell lymphoma

Crude - 0 0 1 2 2 1 4 3 1 1 1 0 2 2 0 1 0 0



Normalized - 0 0 0 0 1 1 0 3 2 0 1 1 0 3 3 0 4 0 0

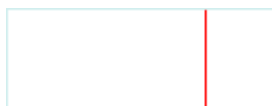


high grade surface osteosarcoma

Crude - 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0



histiocytic sarcoma

Crude - 0 0 2 4 0 1 0 1 0 2 7 0 5 4 0 4 2 0



Normalized - 0 0 1 3 0 0 0 0 0 0 2 8 0 8 7 0 18 17 0



hodgkin granuloma [obs]

Crude - 0 0 1 0 4 1 5 2 2 2 1 6 0 2 4 3 3 0

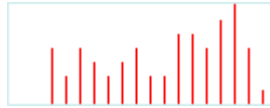


Normalized - 0 0 0 0 3 0 4 1 1 2 1 8 0 3 11 13 25 0



hodgkin lymph., lymphocyt. deplet., diffuse fibrosis

Crude - 0 0 4 2 4 3 2 3 4 2 2 5 5 4 6 7 4 1



Normalized - 0 0 3 1 3 2 1 2 3 2 2 6 8 7 17 32 34 16



hodgkin lymph., nodular lymphocyte predom.

Crude - 2 9 14 36 40 63 51 51 44 37 37 29 31 8 12 9 7 1



Normalized - 1 6 12 33 34 50 43 44 42 40 44 39 50 15 34 41 60
16



hodgkin lymphoma, lymphocyt. deplet., reticular

Crude - 0 0 0 2 2 2 4 3 2 3 1 8 9 9 6 9 10 4



Normalized - 0 0 0 1 1 1 3 2 1 3 1 10 14 17 17 41 86 67



hodgkin lymphoma, lymphocyte-rich

Crude - 2 20 43 64 74 85 73 72 66 64 53 51 45 57 35 30 15 12



Normalized - 1 14 38 59 63 68 62 63 64 70 63 69 73 112 101

139 129 203

**hodgkin lymphoma, lymphocytic deplet., nos**

Crude - 0 2 19 16 20 25 41 30 24 26 47 46 52 62 85 66 35 30



Normalized - 0 1 16 14 17 20 35 26 23 28 56 63 85 122 246 306

301 508

**hodgkin lymphoma, mixed cellularity, nos**

Crude - 10 60 82 231 392 430 346 325 283 277 306 272 296 288

299 249 170 98



Normalized - 6 44 73 216 335 347 296 286 275 302 368 372 485

570 868 1155 1466 1662

**hodgkin lymphoma, nod. scler., cellular phase**

Crude - 1 13 20 49 82 64 52 41 38 35 20 27 34 30 13 11 10 8



Normalized - 0 9 17 45 70 51 44 36 36 38 24 37 55 59 37 51 86

135

**hodgkin lymphoma, nod. scler., grade 1**

Crude - 4 7 16 33 51 42 58 45 33 18 20 13 18 11 15 14 11 7



Normalized - 2 5 14 30 43 33 49 39 32 19 24 17 29 21 43 64 94
118



hodgkin lymphoma, nod. scler., grade 2

Crude - 0 2 8 39 68 62 74 37 48 22 14 9 4 18 9 10 7 4



Normalized - 0 1 7 36 58 50 63 32 46 24 16 12 6 35 26 46 60
67



hodgkin lymphoma, nodular sclerosis, nos

Crude - 12 91 479 1418 2020 2022 1544 1073 740 523 416 365
289 311 238 195 116 81



Normalized - 7 68 427 1328 1729 1635 1322 945 719 572 500 500
473 615 691 904 1000 1373



hodgkin lymphoma, nos

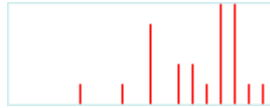
Crude - 4 17 57 166 285 299 253 239 200 170 179 177 191 202
214 189 131 105



Normalized - 2 12 50 155 243 241 216 210 194 185 215 242 312
400 621 876 1129 1780

**hodgkin sarcoma [obs]**

Crude - 0 0 0 0 1 0 0 1 0 4 0 2 2 1 5 5 1 1



Normalized - 0 0 0 0 0 0 0 0 0 4 0 2 3 1 14 23 8 16

**hyper eosinophilic syndrome**

Crude - 1 5 1 0 0 1 1 3 6 2 4 3 3 6 7 5 4 1



Normalized - 0 3 0 0 0 0 0 2 5 2 4 4 4 11 20 23 34 16

**immunoproliferative disease, nos**

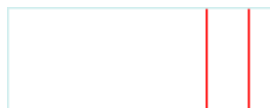
Crude - 0 0 0 1 0 0 0 0 0 1 0 2 1 1 4 3 2 1



Normalized - 0 0 0 0 0 0 0 0 0 1 0 2 1 1 11 13 17 16

**immunoproliferative small intestinal disease**

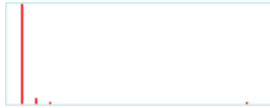
Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 8 0

**infantile fibrosarcoma**

Crude - 45 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0



Normalized - 27 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 0

**infiltr. duct mixed with other types of carcinoma, in situ**

Crude - 0 0 1 0 0 12 26 109 435 611 632 660 495 457 419 376
211 114



Normalized - 0 0 0 0 0 9 22 96 422 668 760 904 811 905 1216
1744 1819 1933

**infiltr. duct mixed with other types of carcinoma**

Crude - 0 0 0 0 1 10 26 78 166 290 255 293 316 261 265 283
193 156



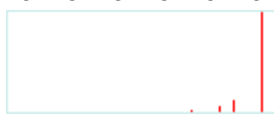
Normalized - 0 0 0 0 0 8 22 68 161 317 306 401 517 516 769
1313 1664 2645

**infiltrating basal cell carcinoma, nos**

Crude - 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 1 1 0 2



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 4 0 33



infiltrating duct and lobular carcinoma

Crude - 0 0 0 0 4 44 260 679 1517 2486 2648 2537 2474 2487
2396 2016 1339 808



Normalized - 0 0 0 0 3 35 222 598 1474 2719 3186 3478 4053
4925 6957 9353 11548 13703

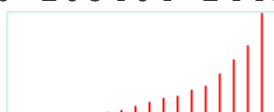


infiltrating duct carcinoma, nos

Crude - 0 0 2 10 258 1848 6175 13737 24082 32559 35626 37645
38673 38866 36322 31250 21094 15476



Normalized - 0 0 1 9 220 1494 5289 12106 23403 35614 42866
51617 63366 76980 105464 144991 181924 262477



infiltrating ductular carcinoma

Crude - 0 0 0 0 0 1 17 40 52 76 94 110 116 129 95 68 41 46



Normalized - 0 0 0 0 0 0 14 35 50 83 113 150 190 255 275 315
353 780



infiltrating lobular mixed with other types of carc.

Crude - 0 0 0 0 0 0 2 3 27 37 55 57 73 70 47 52 24 25

Normalized - 0 0 0 0 0 0 0 1 2 26 40 66 78 119 138 136 241 206
424**inflammatory carcinoma**Crude - 0 0 0 0 4 31 115 204 287 413 415 415 364 296 277 205
128 131Normalized - 0 0 0 0 3 25 98 179 278 451 499 569 596 586 804
951 1103 2221**insular carcinoma**

Crude - 0 0 0 0 0 0 0 1 3 2 4 2 2 2 2 4 4 2 2



Normalized - 0 0 0 0 0 0 0 0 2 1 4 2 2 3 3 11 18 17 33

**insulinoma, malignant**

Crude - 0 0 0 0 2 1 2 2 5 0 3 3 1 3 7 5 3 1

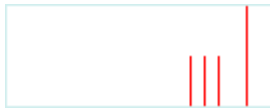


Normalized - 0 0 0 0 1 0 1 1 4 0 3 4 1 5 20 23 25 16



interdigitating dendritic cell sarcoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 2 0

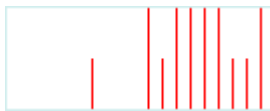


Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 0 17 0



intestinal t-cell lymphoma

Crude - 0 0 0 0 0 0 1 0 0 0 2 1 2 2 2 2 1 1 2



Normalized - 0 0 0 0 0 0 0 0 0 0 2 1 2 3 3 5 4 8 33



intracystic carcinoma, nos

Crude - 0 0 0 0 2 4 7 12 25 26 25 33 50 62 70 75 70 53



Normalized - 0 0 0 0 1 3 5 10 24 28 30 45 81 122 203 347 603
898



intraductal and lobular in situ carcinoma

Crude - 0 0 0 0 0 4 24 77 295 481 491 361 284 255 220 144 78
40

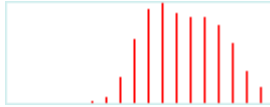


Normalized - 0 0 0 0 0 3 20 67 286 526 590 494 465 505 638
668 672 678



intraductal carcinoma, noninfiltrating, nos

Crude - 0 0 0 4 19 96 343 1279 3093 4505 4725 4301 4145 4132
3752 2858 1603 775



Normalized - 0 0 0 3 16 77 293 1127 3005 4927 5685 5897 6791
8184 10894 13260 13825 13144



intraductal micropapillary carcinoma

Crude - 0 0 0 0 1 2 6 30 86 127 128 103 90 90 66 68 31 15



Normalized - 0 0 0 0 0 1 5 26 83 138 154 141 147 178 191 315
267 254

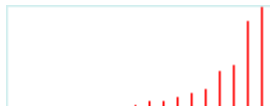


intraductal papillary adenocarcinoma with invasion

Crude - 0 0 0 0 0 5 10 30 41 81 80 100 126 130 162 121 131 77



Normalized - 0 0 0 0 0 4 8 26 39 88 96 137 206 257 470 561
1129 1305



intraductal papillary-mucinous carcinoma, invasive

Crude - 0 0 0 0 0 0 0 0 1 1 1 3 6 9 5 3 3 0



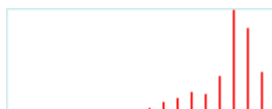
Normalized - 0 0 0 0 0 0 0 0 0 1 1 4 9 17 14 13 25 0

**intraductal papillary-mucinous carcinoma, non-inv.**

Crude - 0 0 0 0 0 0 0 0 1 0 1 4 4 5 4 5 9 4 1



Normalized - 0 0 0 0 0 0 0 0 0 1 4 5 8 7 14 41 34 16

**intratubular malignant germ cells**

Crude - 1 0 3 1 2 4 2 2 2 1 0 0 0 0 0 1 0 0



Normalized - 0 0 2 0 1 3 1 1 1 1 0 0 0 0 0 4 0 0

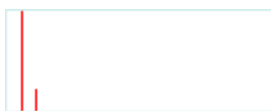
**islet cell carcinoma**

Crude - 0 1 2 6 11 14 29 35 61 81 90 99 110 108 97 73 20 18

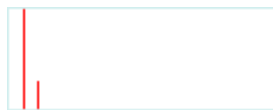
Normalized - 0 0 1 5 9 11 24 30 59 88 108 135 180 213 281 338
172 305

juvenile myelomonocytic leukemia

Crude - 13 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**juxtacortical chondrosarcoma**

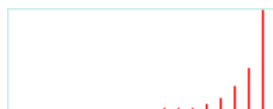
Crude - 0 0 3 0 1 1 1 2 1 1 1 2 0 0 2 1 1 0



Normalized - 0 0 2 0 0 0 0 1 0 1 1 2 0 0 5 4 8 0

**kaposi sarcoma**Crude - 0 0 0 11 209 1357 3045 3398 2364 1356 634 349 215 165
218 253 243 290Normalized - 0 0 0 10 178 1097 2608 2994 2297 1483 762 478
352 326 632 1173 2095 4918**klatskin tumor**

Crude - 0 0 0 0 0 0 2 0 3 1 15 24 26 23 40 62 72 64 76

Normalized - 0 0 0 0 0 0 1 0 2 0 16 28 35 37 79 180 334 551
1288

kupffer cell sarcoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0

**langerhans cell histiocytosis, disseminated**

Crude - 54 5 3 0 2 2 2 1 2 2 2 0 1 2 3 2 0 1



Normalized - 32 3 2 0 1 1 1 0 1 2 2 0 1 3 8 9 0 16

**langerhans cell sarcoma**

Crude - 1 0 0 0 0 0 0 0 0 0 0 1 0 2 0 1 0 0 0



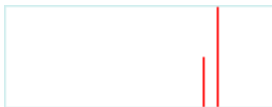
Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 1 0 3 0 2 0 0 0

**large cell carcinoma with rhabdoid phenotype**

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0



large cell carcinoma, nos

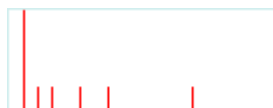
Crude - 0 0 0 0 11 23 79 306 793 1460 2487 3605 4563 5100
4719 3587 1935 924



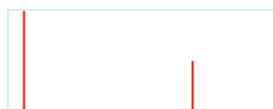
Normalized - 0 0 0 0 9 18 67 269 770 1597 2992 4943 7476
10101 13702 16642 16688 15671

**large cell medulloblastoma**

Crude - 4 1 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0



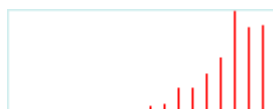
Normalized - 2 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

**large cell neuroendocrine carcinoma**

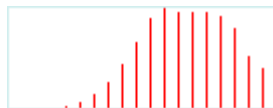
Crude - 0 0 0 0 1 0 1 5 11 21 22 57 47 63 60 68 31 16



Normalized - 0 0 0 0 0 0 0 4 10 22 26 78 77 124 174 315 267
271

**leiomyosarcoma, nos**

Crude - 4 8 16 33 55 139 235 397 593 803 878 845 857 854 810
708 470 365



Normalized - 2 5 14 30 47 112 201 349 576 878 1056 1158 1404
1691 2351 3284 4053 6190

**lentigo maligna melanoma**

Crude - 0 0 0 1 12 16 36 93 180 311 427 611 781 949 1181 1126
867 681



Normalized - 0 0 0 0 10 12 30 81 174 340 513 837 1279 1879
3429 5224 7477 11549

**lentigo maligna**

Crude - 2 1 4 3 19 57 127 241 525 895 1295 1702 2135 2629
2965 2810 1943 1299



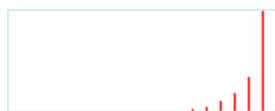
Normalized - 1 0 3 2 16 46 108 212 510 978 1558 2333 3498
5207 8609 13037 16757 22031

**leukemia, nos**

Crude - 27 10 9 13 15 16 23 31 38 43 70 112 151 251 355 400
410 607



Normalized - 16 7 8 12 12 12 19 27 36 47 84 153 247 497 1030
1855 3536 10294

**leydig cell tumor, malignant**

Crude - 0 1 1 1 2 5 6 3 1 5 2 6 5 2 3 1 3 0



Normalized - 0 0 0 0 0 1 4 5 2 0 5 2 8 8 3 8 4 25 0



linitis plastica

Crude - 0 0 0 0 5 6 20 38 49 96 116 160 198 215 235 234 164
118

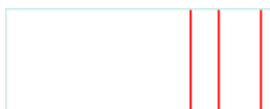


Normalized - 0 0 0 0 4 4 17 33 47 105 139 219 324 425 682
1085 1414 2001



lipid-rich carcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 1



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 0 0 16

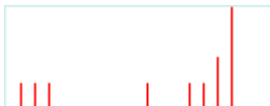


lipoma, nos

Crude - 2 2 2 1 1 1 0 1 1 1 0 0 1 1 1 1 0 0

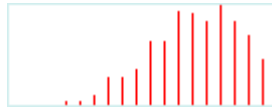


Normalized - 1 1 1 0 0 0 0 0 0 0 1 0 0 1 1 2 4 0 0



liposarcoma, nos

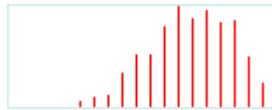
Crude - 0 1 0 8 9 19 47 47 59 104 105 153 149 135 160 137 115
75



Normalized - 0 0 0 7 7 15 40 41 57 113 126 209 244 267 464
635 991 1272

**liposarcoma, well differentiated**

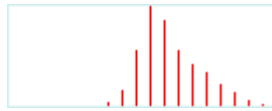
Crude - 0 0 0 1 9 14 18 46 68 68 105 130 115 125 111 112 67
32



Normalized - 0 0 0 0 7 11 15 40 66 74 126 178 188 247 322 519
577 542

**lobular carcinoma in situ**

Crude - 0 0 0 2 3 19 94 394 1322 2321 2034 1325 999 794 529
325 170 83



Normalized - 0 0 0 1 2 15 80 347 1284 2538 2447 1816 1636
1572 1536 1507 1466 1407

**lobular carcinoma, nos**

Crude - 0 0 1 0 6 55 204 673 1788 3163 3517 3608 3990 4412
4355 3845 2688 2031

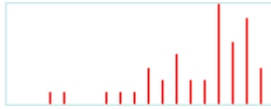


Normalized - 0 0 0 0 5 44 174 593 1737 3459 4231 4947 6537
8738 12645 17839 23182 34446



lymphangiosarcoma

Crude - 0 0 1 1 0 0 1 1 1 3 2 4 2 2 8 5 7 3

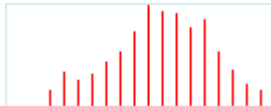


Normalized - 0 0 0 0 0 0 0 0 0 3 2 5 3 3 23 23 60 50



lymphoepithelial carcinoma

Crude - 0 1 18 36 28 33 45 56 76 101 95 94 80 87 55 37 24 18



Normalized - 0 0 16 33 23 26 38 49 73 110 114 128 131 172 159
171 206 305

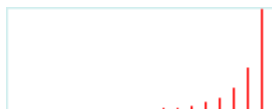


lymphoid leukemia, nos

Crude - 14 13 8 10 5 4 8 18 18 47 57 74 78 113 128 131 132
157



Normalized - 8 9 7 9 4 3 6 15 17 51 68 101 127 223 371 607
1138 2662



mal. melanoma in giant pigmented nevus

Crude - 5 0 3 2 6 4 10 16 23 19 19 19 10 9 8 6 2 2



Normalized - 3 0 2 1 5 3 8 14 22 20 22 26 16 17 23 27 17 33



mal. melanoma in junctional nevus

Crude - 0 0 3 3 26 25 18 26 31 29 45 34 28 23 20 18 13 8



Normalized - 0 0 2 2 22 20 15 22 30 31 54 46 45 45 58 83 112

135



mal. melanoma in precan. melanosis

Crude - 0 0 0 1 1 4 3 2 2 2 1 3 2 1 1 4 3 1



Normalized - 0 0 0 0 0 3 2 1 1 2 1 4 3 1 2 18 25 16

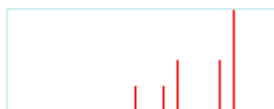


malignant cystic nephroma

Crude - 0 0 0 0 0 0 0 0 2 0 1 2 0 0 1 1 0 0



Normalized - 0 0 0 0 0 0 0 0 1 0 1 2 0 0 2 4 0 0



malignant eccrine spiradenoma

Crude - 0 0 0 0 1 0 0 1 2 3 1 2 2 1 1 0 1 3



Normalized - 0 0 0 0 0 0 0 0 0 0 1 3 1 2 3 1 2 0 8 50



malignant giant cell tumor of soft parts

Crude - 0 0 0 1 2 2 2 1 4 2 1 0 1 1 4 3 1 1



Normalized - 0 0 0 0 1 1 1 0 3 2 1 0 1 1 11 13 8 16



malignant histiocytosis

Crude - 32 9 17 12 11 12 5 14 8 12 15 18 26 28 23 21 6 16



Normalized - 19 6 15 11 9 9 4 12 7 13 18 24 42 55 66 97 51
271

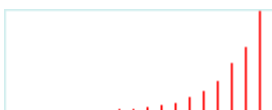


malignant lymphoma, non-hodgkin

Crude - 56 85 103 116 138 196 310 423 502 638 835 1076 1283
1516 1579 1594 1105 877



Normalized - 34 63 91 108 118 158 265 372 487 697 1004 1475
2102 3002 4584 7395 9530 14874



malignant lymphoma, nos

Crude - 31 36 59 76 124 297 465 657 653 657 759 822 1138 1352
 1569 1666 1348 1490



Normalized - 18 26 52 71 106 240 398 579 634 718 913 1127
 1864 2677 4555 7729 11625 25270

**malignant mastocytosis**

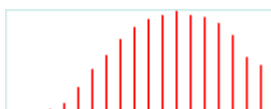
Crude - 1 1 0 0 5 2 6 13 12 12 13 14 21 7 9 10 9 0



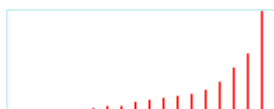
Normalized - 0 0 0 0 4 1 5 11 11 13 15 19 34 13 26 46 77 0

**malignant melanoma, nos**

Crude - 28 33 96 445 1109 2008 2673 3341 3903 4318 4489 4609
 4471 4363 4111 3546 2570 2202



Normalized - 17 24 85 416 949 1624 2289 2944 3793 4723 5401
 6319 7325 8641 11936 16452 22164 37346

**malignant melanoma, regressing**

Crude - 0 0 1 0 6 15 25 26 33 38 46 40 36 40 37 36 18 15



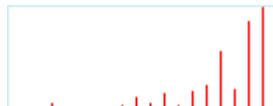
Normalized - 0 0 0 0 5 12 21 22 32 41 55 54 58 79 107 167 155
 254

**malignant myoepithelioma**

Crude - 0 1 3 0 1 0 1 2 6 2 6 1 5 6 10 2 5 3



Normalized - 0 0 2 0 0 0 0 1 5 2 7 1 8 11 29 9 43 50

**malignant peripheral nerve sheath tumor**

Crude - 5 9 26 36 51 47 46 50 63 37 54 46 51 38 42 42 23 24

Normalized - 3 6 23 33 43 38 39 44 61 40 64 63 83 75 121 194
198 407**malignant placental site trophoblastic tumor**

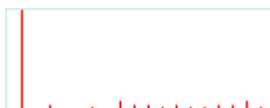
Crude - 0 0 0 2 5 6 3 2 1 1 1 0 0 0 0 0 0 0



Normalized - 0 0 0 1 4 4 2 1 0 1 1 0 0 0 0 0 0 0

**malignant rhabdoid tumor**

Crude - 49 1 3 1 1 2 0 5 3 3 2 3 2 2 3 3 5 2



Normalized - 29 0 2 0 0 1 0 4 2 3 2 4 3 3 8 13 43 33



malignant tenosynovial giant cell tumor

Crude - 0 0 0 0 0 0 0 0 0 0 0 2 0 0 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 2 0 0 1 0 0 0 0

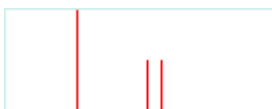


malignant teratoma, intermediate

Crude - 0 0 0 0 0 3 1 0 1 0 1 1 0 0 0 0 0 0 0



Normalized - 0 0 0 0 0 2 0 0 0 0 0 1 1 0 0 0 0 0 0



malignant teratoma, trophoblastic

Crude - 0 0 0 0 0 0 4 1 0 0 0 0 0 0 0 0 0 0 0

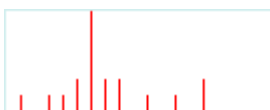


Normalized - 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0

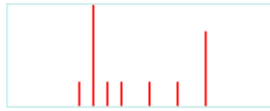


malignant teratoma, undiff.

Crude - 1 0 1 1 2 6 2 2 0 1 0 1 0 2 0 0 0 0 0



Normalized - 0 0 0 0 0 1 4 1 1 0 1 0 1 0 3 0 0 0 0



malignant tumor, clear cell type

Crude - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 1 0 0 0 0



malignant tumor, giant cell type

Crude - 0 0 2 2 2 2 3 4 3 6 5 7 12 18 9 12 7 12



Normalized - 0 0 1 1 1 1 2 3 2 6 6 9 19 35 26 55 60 203



malignant tumor, small cell type

Crude - 7 8 6 4 6 2 5 7 5 10 13 24 24 26 27 27 18 15



Normalized - 4 5 5 3 5 1 4 6 4 10 15 32 39 51 78 125 155 254



malignant tumor, spindle cell type

Crude - 5 0 2 5 7 6 7 13 12 7 16 21 29 45 37 31 37 35



Normalized - 3 0 1 4 5 4 5 11 11 7 19 28 47 89 107 143 319

593

**mantle cell lymphoma**

Crude - 1 0 0 2 6 7 26 34 85 143 250 294 328 436 421 412 262
183



Normalized - 0 0 0 1 5 5 22 29 82 156 300 403 537 863 1222
1911 2259 3103

**marginal zone b-cell lymphoma, nos**

Crude - 0 1 3 5 15 37 53 97 132 249 277 332 344 427 529 478
383 276



Normalized - 0 0 2 4 12 29 45 85 128 272 333 455 563 845 1536
2217 3303 4681

**mast cell leukemia**

Crude - 0 0 0 0 0 2 1 1 0 0 0 0 1 2 0 1 0 1 0



Normalized - 0 0 0 0 0 1 0 0 0 0 0 0 0 1 3 0 2 0 8 0

**mast cell sarcoma**

Crude - 0 0 0 0 0 0 0 1 0 0 0 1 0 1 0 0 0 0 0 0

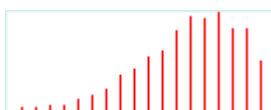


Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

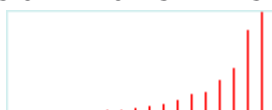


mature t-cell lymphoma, nos

Crude - 9 10 13 14 20 27 36 56 65 80 89 117 138 135 142 121
121 74

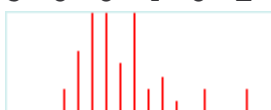


Normalized - 5 7 11 13 17 21 30 49 63 87 107 160 226 267 412
561 1043 1255

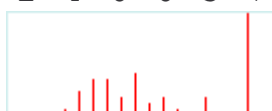


mediastinal large b-cell lymphoma

Crude - 0 0 0 2 5 8 8 4 8 2 3 1 0 2 0 0 2 0



Normalized - 0 0 0 1 4 6 6 3 7 2 3 1 0 3 0 0 17 0



medullary carcinoma with amyloid stroma

Crude - 1 11 26 24 29 52 72 75 99 80 94 91 90 83 78 54 34 11



Normalized - 0 8 23 22 24 42 61 66 96 87 113 124 147 164 226
250 293 186



medullary carcinoma with lymphoid stroma

Crude - 0 0 0 0 2 11 18 45 41 42 42 32 31 25 19 15 7 5



Normalized - 0 0 0 0 1 8 15 39 39 45 50 43 50 49 55 69 60 84



medullary carcinoma, nos

Crude - 0 0 9 2 29 182 452 684 840 988 922 823 722 643 503
351 219 165



Normalized - 0 0 8 1 24 147 387 602 816 1080 1109 1128 1183
1273 1460 1628 1888 2798



medulloblastoma, nos

Crude - 299 315 167 85 82 67 50 40 20 15 11 5 4 1 1 0 0 1

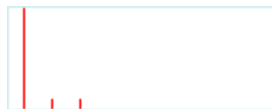


Normalized - 182 235 148 79 70 54 42 35 19 16 13 6 6 1 2 0 0
16

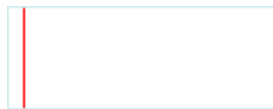


medulloepithelioma, nos

Crude - 10 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



medullomyoblastoma

Crude - 0 3 0 0 0 0 0 0 2 0 0 1 0 0 0 0 0 0



Normalized - 0 2 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

**melanoma in situ**Crude - 3 6 29 126 348 664 1068 1495 1959 2127 2281 2317 2095
2017 2015 1702 1074 673Normalized - 1 4 25 118 297 537 914 1317 1903 2326 2744 3176
3432 3995 5850 7896 9262 11414**meningeal sarcomatosis**

Crude - 0 0 0 0 0 0 0 0 0 2 2 0 1 1 0 0 2 0



Normalized - 0 0 0 0 0 0 0 0 0 2 2 0 1 1 0 0 17 0

**meningioma, malignant**

Crude - 4 4 3 8 4 12 25 33 45 58 75 92 96 102 132 103 63 47

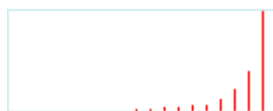
Normalized - 2 2 2 7 3 9 21 29 43 63 90 126 157 202 383 477
543 797

**meningeoma, nos**

Crude - 2 3 3 4 9 24 49 77 144 198 218 257 237 240 293 306
297 362



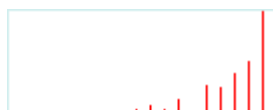
Normalized - 1 2 2 3 7 19 41 67 139 216 262 352 388 475 850
1419 2561 6139

**meningiomas, nos**

Crude - 0 0 0 1 0 0 0 0 2 2 1 3 0 5 3 3 2 2



Normalized - 0 0 0 0 0 0 0 0 1 2 1 4 0 9 8 13 17 33

**meningothelial meningioma**

Crude - 1 0 0 0 0 2 7 10 19 31 25 24 32 29 15 15 12 7



Normalized - 0 0 0 0 0 1 5 8 18 33 30 32 52 57 43 69 103 118

**merkel cell carcinoma**

Crude - 0 0 0 0 1 1 4 5 21 32 71 73 114 184 254 302 302 352



Normalized - 0 0 0 0 0 0 3 4 20 35 85 100 186 364 737 1401
2604 5970



mesenchymal chondrosarcoma

Crude - 0 3 8 8 17 8 9 6 8 10 5 3 6 5 7 3 0 0



Normalized - 0 2 7 7 14 6 7 5 7 10 6 4 9 9 20 13 0 0



mesenchymoma, malignant

Crude - 13 10 7 4 7 5 5 5 9 9 9 16 14 18 19 15 11 3



Normalized - 7 7 6 3 5 4 4 4 8 9 10 21 22 35 55 69 94 50

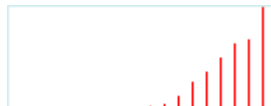


mesodermal mixed tumor

Crude - 0 0 0 1 1 0 2 5 13 25 31 74 126 147 135 110 63 46



Normalized - 0 0 0 0 0 0 1 4 12 27 37 101 206 291 391 510 543
780



mesonephroma, malignant

Crude - 0 0 1 2 5 4 3 2 8 20 28 19 17 9 11 9 3 1



Normalized - 0 0 0 1 4 3 2 1 7 21 33 26 27 17 31 41 25 16



mesothelioma, biphasic, malignant

Crude - 0 0 0 1 0 0 1 2 6 7 9 28 29 38 50 44 33 13



Normalized - 0 0 0 0 0 0 0 1 5 7 10 38 47 75 145 204 284 220



mesothelioma, malignant

Crude - 1 0 0 6 8 17 32 48 90 160 257 399 540 718 859 826 593
343



Normalized - 0 0 0 5 6 13 27 42 87 175 309 547 884 1422 2494
3832 5114 5817



metaplastic carcinoma, nos

Crude - 0 0 0 0 1 1 5 16 18 35 29 45 29 31 17 34 21 21



Normalized - 0 0 0 0 0 0 0 4 14 17 38 34 61 47 61 49 157 181
356

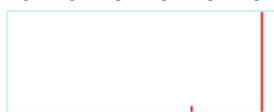


metatypical carcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 16

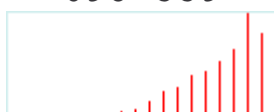


mixed cell adenocarcinoma

Crude - 0 0 0 1 4 3 12 23 41 79 134 142 163 149 129 98 81 33



Normalized - 0 0 0 0 3 2 10 20 39 86 161 194 267 295 374 454
698 559

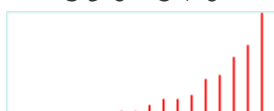


mixed epithel. & spindle cell melanoma

Crude - 1 2 2 4 6 12 12 22 24 50 69 67 65 99 76 70 46 34



Normalized - 0 1 1 3 5 9 10 19 23 54 83 91 106 196 220 324
396 576

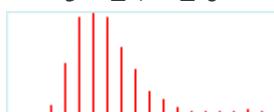


mixed germ cell tumor

Crude - 11 9 40 224 458 501 463 308 186 86 54 22 10 6 5 2 2 1



Normalized - 6 6 35 209 392 405 396 271 180 94 64 30 16 11 14
9 17 16



mixed glioma

Crude - 34 26 23 40 54 78 128 107 129 90 84 68 49 52 24 19 2

5



Normalized - 20 19 20 37 46 63 109 94 125 98 101 93 80 102 69

88 17 84



mixed islet cell & exocrine adenocarcinoma

Crude - 0 0 0 0 0 0 0 0 0 2 2 6 1 2 3 0 3 1 0



Normalized - 0 0 0 0 0 0 0 0 0 1 2 7 1 3 5 0 13 8 0



mixed medullary-follicular carcinoma

Crude - 0 0 0 0 0 0 0 0 1 1 1 0 1 0 0 0 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 4 0 0



mixed medullary-papillary carcinoma

Crude - 0 0 0 0 1 0 1 1 2 4 1 0 6 1 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 1 4 1 0 9 1 0 0 0 0



mixed tumor, malignant, nos

Crude - 0 0 1 2 3 10 14 11 20 30 34 44 38 53 35 40 22 25

Normalized - 0 0 0 1 2 8 11 9 19 32 40 60 62 104 101 185 189
424**mixed type liposarcoma**

Crude - 0 0 0 0 1 3 7 10 14 16 12 14 13 18 12 10 13 2



Normalized - 0 0 0 0 0 2 5 8 13 17 14 19 21 35 34 46 112 33

**mixed type rhabdomyosarcoma**

Crude - 4 5 3 2 0 1 2 0 1 2 0 0 0 0 0 2 0 1



Normalized - 2 3 2 1 0 0 1 0 0 2 0 0 0 0 0 9 0 16

**m1, large b-cell, diffuse, immunoblastic, nos**Crude - 5 11 11 37 70 123 249 319 327 301 274 329 400 474 507
475 328 240Normalized - 3 8 9 34 59 99 213 281 317 329 329 451 655 938
1472 2203 2828 4070

**ml, large b-cell, diffuse**

Crude - 31 57 134 312 476 750 1111 1444 1743 2021 2519 2772
 3355 4166 4796 4820 3665 2916



Normalized - 18 42 119 292 407 606 951 1272 1693 2210 3030
 3800 5497 8251 13925 22363 31608 49456

**ml, lymphoplasmacytic**

Crude - 0 0 2 3 5 8 15 25 45 59 96 122 139 166 165 174 143
 103



Normalized - 0 0 1 2 4 6 12 22 43 64 115 167 227 328 479 807
 1233 1746

**ml, mixed sm. and lg. cell, diffuse**

Crude - 1 7 9 19 36 54 73 117 178 193 280 378 505 546 642 568
 397 316



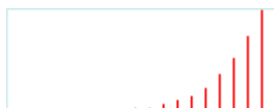
Normalized - 0 5 8 17 30 43 62 103 172 211 336 518 827 1081
 1864 2635 3423 5359

**ml, small b lymphocytic, nos**

Crude - 7 9 7 13 27 51 87 141 272 426 641 910 1106 1365 1473
 1361 1041 698

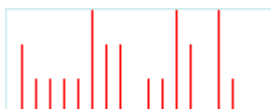


Normalized - 4 6 6 12 23 41 74 124 264 465 771 1247 1812 2703
 4277 6314 8978 11838



mpnst with rhabdomyoblastic differentiation

Crude - 2 1 1 1 1 3 2 2 0 1 1 3 2 0 3 1 0 0



Normalized - 1 0 0 0 0 2 1 1 0 1 1 4 3 0 8 4 0 0

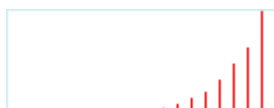


mucin-producing adenocarcinoma

Crude - 1 0 3 11 27 89 193 330 663 1025 1625 2315 3024 3660
 3981 3738 2689 2077

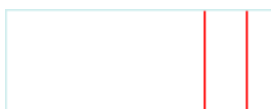


Normalized - 0 0 2 10 23 71 165 290 644 1121 1955 3174 4954
 7249 11559 17343 23191 35226

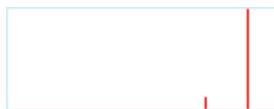


mucinous adenocarcinofibroma

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 8 0

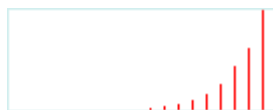


mucinous adenocarcinoma, endocervical type

Crude - 0 0 0 0 0 0 0 1 5 3 5 4 5 3 0 1 1 1 0



Normalized - 0 0 0 0 0 0 0 0 4 2 5 4 6 4 0 2 4 8 0

**mucinous adenocarcinoma**Crude - 0 0 4 31 87 183 403 775 1325 2070 2769 3651 4744 6160
6993 6986 5288 4309Normalized - 0 0 3 29 74 148 345 683 1287 2264 3331 5006 7773
12200 20304 32413 45606 73081**mucinous cystadenocarcinoma, non-invasive**

Crude - 0 0 0 1 1 2 3 3 5 1 1 1 4 1 4 2 1 0



Normalized - 0 0 0 0 0 1 2 2 4 1 1 1 6 1 11 9 8 0

**mucinous cystadenocarcinoma, nos**Crude - 0 0 4 28 83 137 177 209 245 270 357 374 355 358 325
246 158 102Normalized - 0 0 3 26 71 110 151 184 238 295 429 512 581 709
943 1141 1362 1729



mucinous cystic tumor of borderline malignancy (c56.9)

Crude - 0 0 7 34 60 90 156 144 155 175 142 108 106 103 91 55
33 27

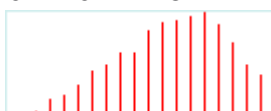


Normalized - 0 0 6 31 51 72 133 126 150 191 170 148 173 204
264 255 284 457

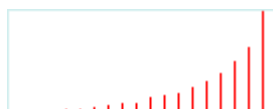


mucoepidermoid carcinoma

Crude - 2 15 53 74 111 166 188 232 233 317 344 349 363 378
336 267 184 145



Normalized - 1 11 47 69 95 134 161 204 226 346 413 478 594
748 975 1238 1586 2459

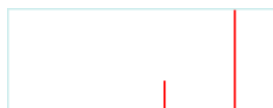


mucosal lentiginous melanoma

Crude - 0 0 0 0 0 0 1 0 0 0 0 4 0 0 0 0 3 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 4 0 0 0 0 13 0 0



mullerian mixed tumor

Crude - 0 1 0 3 2 5 23 31 63 87 168 283 433 477 531 417 348
216

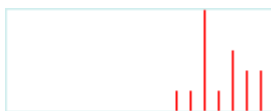


Normalized - 0 0 0 2 1 4 19 27 61 95 202 388 709 944 1541
1934 3001 3663

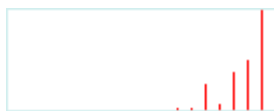


multifocal superficial basal cell carcinoma

Crude - 0 0 0 0 0 0 0 0 0 0 0 1 1 5 1 3 2 2



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 1 9 2 13 17 33



multiple myeloma

Crude - 0 1 0 1 9 34 109 311 678 1252 2231 3233 4219 5346
5873 5687 4247 3198



Normalized - 0 0 0 0 7 27 93 274 658 1369 2684 4432 6912
10588 17052 26386 36628 54239



mycosis fungoides

Crude - 2 6 9 18 41 77 109 172 217 282 308 357 379 398 386
275 213 128



Normalized - 1 4 8 16 35 62 93 151 210 308 370 489 621 788
1120 1275 1837 2170

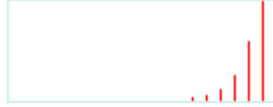
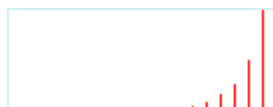


myelodysplastic syndr. with 5q deletion syndrome

Crude - 0 0 0 0 0 0 0 0 0 1 1 4 2 8 10 12 16 19 16



Normalized - 0 0 0 0 0 0 0 0 0 0 1 4 2 13 19 34 74 163 271

**myelodysplastic syndrome, nos**Crude - 11 3 5 2 2 11 7 19 31 63 75 101 121 190 311 481 500
489Normalized - 6 2 4 1 1 8 5 16 30 68 90 138 198 376 903 2231
4312 8293**myeloid leukemia, nos**Crude - 16 7 4 10 19 15 46 27 36 52 61 82 150 199 278 289 293
288Normalized - 9 5 3 9 16 12 39 23 34 56 73 112 245 394 807
1340 2526 4884**myeloid sarcoma**

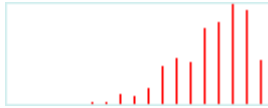
Crude - 9 1 3 3 3 8 3 5 5 13 15 14 18 20 32 27 12 11



Normalized - 5 0 2 2 2 6 2 4 4 14 18 19 29 39 92 125 103 186

**myeloid metaplasia**

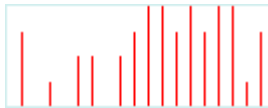
Crude - 1 0 0 0 0 2 2 7 6 11 24 30 27 49 52 63 60 28



Normalized - 0 0 0 0 0 1 1 6 5 12 28 41 44 97 150 292 517 474

**myosarcoma**

Crude - 3 0 1 0 2 2 0 2 3 4 4 3 4 3 4 4 1 3



Normalized - 1 0 0 0 1 1 0 1 2 4 4 4 6 5 11 18 8 50

**myxoid chondrosarcoma**

Crude - 0 1 4 3 2 8 16 13 20 20 20 11 17 21 13 11 3 8



Normalized - 0 0 3 2 1 6 13 11 19 21 24 15 27 41 37 51 25 135

**myxoid leiomyosarcoma**

Crude - 0 0 0 1 0 2 3 5 8 14 16 9 7 11 9 6 1 4



Normalized - 0 0 0 0 0 1 2 4 7 15 19 12 11 21 26 27 8 67

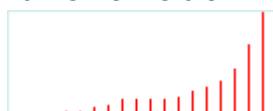


myxoid liposarcoma

Crude - 2 2 7 19 21 71 74 117 120 99 86 94 100 99 83 71 59 43



Normalized - 1 1 6 17 17 57 63 103 116 108 103 128 163 196
240 329 508 729



myxopapillary ependymoma

Crude - 0 2 2 3 2 10 7 4 6 13 11 7 0 0 3 0 0 0



Normalized - 0 1 1 2 1 8 5 3 5 14 13 9 0 0 8 0 0 0



myxosarcoma

Crude - 0 1 0 0 2 3 4 4 7 6 9 12 7 10 5 9 5 5



Normalized - 0 0 0 0 1 2 3 3 6 6 10 16 11 19 14 41 43 84



neoplasm, benign

Crude - 2 1 4 4 3 5 2 6 4 12 3 8 7 10 4 6 8 8



Normalized - 1 0 3 3 2 4 1 5 3 13 3 10 11 19 11 27 68 135



neoplasm, malignant

Crude - 65 28 37 60 131 183 251 371 558 921 1468 2271 3500
4773 6882 8656 10130 16273



Normalized - 39 20 32 56 112 148 215 326 542 1007 1766 3113
5734 9453 19982 40161 87366 275995

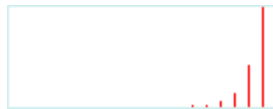


neoplasm, uncertain whether benign or malignant

Crude - 0 1 2 1 3 2 5 5 4 6 6 4 8 6 10 14 23 27

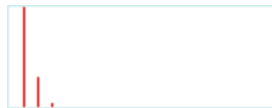


Normalized - 0 0 1 0 2 1 4 4 3 6 7 5 13 11 29 64 198 457



nephroblastoma, nos

Crude - 1009 311 50 19 18 12 8 3 10 3 6 3 4 3 3 4 0 0

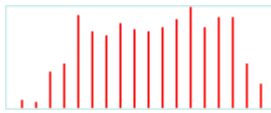


Normalized - 614 232 44 17 15 9 6 2 9 3 7 4 6 5 8 18 0 0

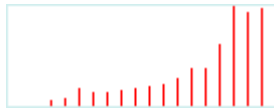


neurilemmoma, malignant

Crude - 6 4 23 27 57 47 45 52 48 47 49 54 61 49 55 55 28 15

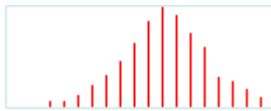


Normalized - 3 2 20 25 48 38 38 45 46 51 58 74 99 97 159 255
241 254

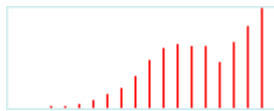


neurilemoma, nos

Crude - 1 1 9 10 17 32 45 66 90 121 140 130 105 86 44 39 26
16



Normalized - 0 0 8 9 14 25 38 58 87 132 168 178 172 170 127
180 224 271



neurinomatosi

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 2 0 0 0

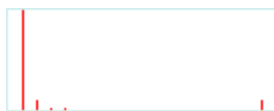


neuroblastoma, nos

Crude - 1449 133 39 29 15 18 12 14 7 6 5 8 7 6 5 3 0 6



Normalized - 883 99 34 27 12 14 10 12 6 6 6 10 11 11 14 13 0
101



neuroendocrine carcinoma

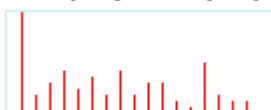
Crude - 0 1 1 14 38 39 73 115 193 311 417 504 577 730 750 671
 444 228



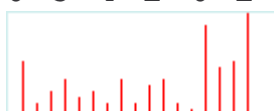
Normalized - 0 0 0 13 32 31 62 101 187 340 501 691 945 1445
 2177 3113 3829 3866

**neuroepithelioma, nos**

Crude - 16 3 5 7 4 6 3 7 3 5 5 2 1 8 3 2 2 0



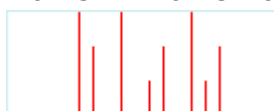
Normalized - 9 2 4 6 3 4 2 6 2 5 6 2 1 15 8 9 17 0

**neurofibroma, nos**

Crude - 0 0 1 0 4 3 0 4 0 1 2 0 2 1 1 0 0 0



Normalized - 0 0 0 0 3 2 0 3 0 1 2 0 3 1 2 0 0 0

**neurofibromatosis, nos**

Crude - 6 5 2 0 1 0 0 2 2 0 0 0 0 0 0 0 0 0



Normalized - 3 3 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0



neuroma, nos

Crude - 0 0 1 0 0 1 0 3 2 2 7 6 3 1 2 3 0 1



Normalized - 0 0 0 0 0 0 0 2 1 2 8 8 4 1 5 13 0 16

**nk/t-cell lymphoma, nasal and nasal-type**

Crude - 0 1 1 1 7 7 2 10 9 10 11 10 6 10 12 10 7 3



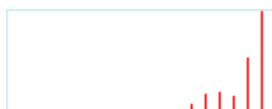
Normalized - 0 0 0 0 5 5 1 8 8 10 13 13 9 19 34 46 60 50

**nodular hidradenoma, malignant**

Crude - 0 1 0 2 2 1 2 3 6 8 6 5 12 22 17 9 15 14



Normalized - 0 0 0 1 1 0 1 2 5 8 7 6 19 43 49 41 129 237

**nodular melanoma**Crude - 1 8 13 54 183 277 411 507 641 673 743 785 762 822 817
741 612 638Normalized - 0 5 11 50 156 224 352 446 622 736 894 1076 1248
1628 2372 3438 5278 10820

**non-small cell carcinoma**

Crude - 0 0 0 0 3 4 16 69 262 576 976 1488 1813 2039 2476
 2593 1718 845



Normalized - 0 0 0 0 2 3 13 60 254 630 1174 2040 2970 4038
 7189 12030 14816 14331

**nonencapsulated sclerosing carcinoma**

Crude - 0 0 1 3 5 9 15 11 13 18 27 16 9 12 8 6 6 0



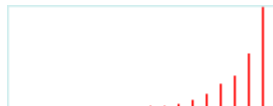
Normalized - 0 0 0 2 4 7 12 9 12 19 32 21 14 23 23 27 51 0

**noninfiltrating intracystic carcinoma**

Crude - 0 0 0 0 0 0 1 4 12 22 23 30 41 61 70 57 51 47



Normalized - 0 0 0 0 0 0 0 0 3 11 24 27 41 67 120 203 264 439
 797

**noninfiltrating intraductal papillary adenocarcinoma**

Crude - 0 0 0 0 1 10 44 94 219 311 316 292 348 399 440 347
 229 112



Normalized - 0 0 0 0 0 8 37 82 212 340 380 400 570 790 1277
1609 1975 1899



oat cell carcinoma

Crude - 0 0 0 1 0 9 24 85 336 736 1507 2468 3224 3580 2936
1820 847 293



Normalized - 0 0 0 0 0 7 20 74 326 805 1813 3384 5282 7090
8525 8444 7304 4969



odontogenic tumor, malignant

Crude - 0 2 0 0 3 3 0 3 2 3 3 3 8 2 1 5 3 1



Normalized - 0 1 0 0 2 2 0 2 1 3 3 4 13 3 2 23 25 16



olfactory neurcytoma

Crude - 0 0 0 1 1 0 0 0 1 0 1 0 0 0 1 1 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 2 4 8 0



olfactory neuroblastoma

Crude - 1 1 5 8 10 10 12 15 24 40 30 35 34 29 12 19 11 6



Normalized - 0 0 4 7 8 8 10 13 23 43 36 47 55 57 34 88 94 101

**olfactory neuroepithelioma**

Crude - 0 0 0 0 0 0 1 1 0 1 1 1 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0

**olfactory neurogenic tumor**

Crude - 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

**oligodendroblastoma**

Crude - 0 0 1 1 1 2 2 5 6 6 2 5 2 1 2 1 0 0



Normalized - 0 0 0 0 0 1 1 4 5 6 2 6 3 1 5 4 0 0

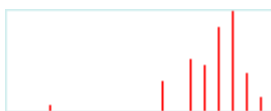


oligodendroglioma, anaplastic

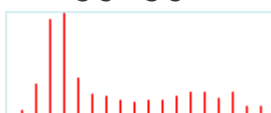
Crude - 2 3 3 4 13 39 42 41 69 53 56 41 35 41 23 21 7 7

Normalized - 1 2 2 3 11 31 35 36 67 57 67 56 57 81 66 97 60
118**oligodendroglioma, nos**Crude - 33 39 59 82 120 198 251 321 265 226 191 157 122 100
59 34 29 11Normalized - 20 29 52 76 102 160 215 282 257 247 229 215 199
198 171 157 250 186**osteosarcoma in paget disease**

Crude - 0 0 1 0 0 0 0 0 0 0 4 0 7 6 11 13 5 2



Normalized - 0 0 0 0 0 0 0 0 0 4 0 11 11 31 60 43 33

**osteosarcoma, nos**Crude - 17 119 356 377 138 79 74 60 51 60 58 68 84 85 67 85
35 35Normalized - 10 88 317 353 118 63 63 52 49 65 69 93 137 168
194 394 301 593

**ovarian stromal tumor, mal.**

Crude - 0 0 0 3 4 3 1 3 3 4 1 1 7 0 4 4 0 1



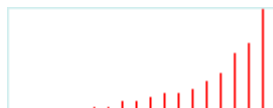
Normalized - 0 0 0 2 3 2 0 2 2 4 1 1 11 0 11 18 0 16

**oxyphilic adenocarcinoma**

Crude - 0 0 3 6 14 47 49 107 105 130 151 125 141 152 132 129
82 62



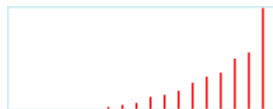
Normalized - 0 0 2 5 11 38 41 94 102 142 181 171 231 301 383
598 707 1051

**paget dis. & infil. duct carcinoma**

Crude - 0 0 0 0 2 11 50 96 148 199 222 258 288 299 223 196
119 106



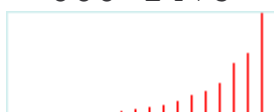
Normalized - 0 0 0 0 1 8 42 84 143 217 267 353 471 592 647
909 1026 1797

**paget disease and intraductal ca.**

Crude - 0 0 0 0 0 3 26 52 74 103 109 136 165 176 160 164 103
87



Normalized - 0 0 0 0 0 2 22 45 71 112 131 186 270 348 464 760
888 1475

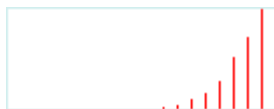


paget disease, extramammary

Crude - 0 0 0 0 0 1 0 4 12 15 27 54 95 115 135 157 116 80



Normalized - 0 0 0 0 0 0 0 3 11 16 32 74 155 227 391 728 1000
1356



paget disease, mammary

Crude - 0 0 0 0 0 1 5 20 24 47 43 68 66 76 75 73 49 71

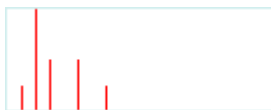


Normalized - 0 0 0 0 0 0 4 17 23 51 51 93 108 150 217 338 422
1204

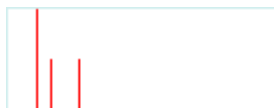


pancreatoblastoma

Crude - 1 4 2 0 2 0 1 0 0 0 0 0 0 0 0 0 0 0



Normalized - 0 2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0



papillary adenocarcinoma, nos

Crude - 0 5 49 218 555 979 1249 1396 1534 1875 2281 2774 3139
 3282 3147 2485 1756 1241



Normalized - 0 3 43 204 475 791 1069 1230 1490 2050 2744 3803
 5143 6500 9137 11529 15144 21047

**papillary adenoma, nos**

Crude - 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0



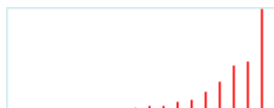
Normalized - 0 0 0 0 0 0 0 0 0 1 0 0 0 0 2 0 0 0

**papillary carcinoma in situ**

Crude - 0 0 0 0 6 5 10 10 22 37 34 58 61 89 94 91 52 55



Normalized - 0 0 0 0 5 4 8 8 21 40 40 79 99 176 272 422 448
 932

**papillary carcinoma, columnar cell**

Crude - 0 0 0 2 1 3 5 7 7 7 7 5 9 7 11 6 4 5



Normalized - 0 0 0 1 0 2 4 6 6 7 8 6 14 13 31 27 34 84



papillary carcinoma, encapsulated

Crude - 0 0 0 1 3 8 7 17 11 13 8 7 6 6 2 2 0 0



Normalized - 0 0 0 0 2 6 5 14 10 14 9 9 9 11 5 9 0 0

**papillary carcinoma, follicular variant**Crude - 0 19 54 203 505 831 963 1199 1195 1130 1108 886 663
580 442 294 124 64Normalized - 0 14 48 190 432 672 824 1056 1161 1236 1333 1214
1086 1148 1283 1364 1069 1085**papillary carcinoma, nos**Crude - 1 13 90 382 990 1523 2023 2147 2090 1954 1834 1660
1689 1714 1533 1249 836 654Normalized - 0 9 80 357 847 1232 1732 1892 2031 2137 2206
2276 2767 3394 4451 5795 7210 11092**papillary carcinoma, oxyphilic cell**

Crude - 0 0 0 1 0 1 2 1 1 2 0 0 1 0 1 0 0 0



Normalized - 0 0 0 0 0 0 1 0 0 2 0 0 1 0 2 0 0 0



papillary craniopharyngioma

Crude - 0 0 0 0 1 0 1 0 2 0 1 0 1 0 0 0 0 0

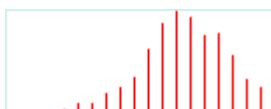


Normalized - 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0



papillary cystadenocarcinoma, nos

Crude - 0 0 0 4 18 18 33 45 65 114 161 181 172 141 143 103 58
45



Normalized - 0 0 0 3 15 14 28 39 63 124 193 248 281 279 415
477 500 763



papillary cystadenoma, borderline malignancy (c56.9)

Crude - 0 0 0 3 5 6 7 8 12 7 10 9 2 7 2 1 0 0



Normalized - 0 0 0 2 4 4 5 7 11 7 12 12 3 13 5 4 0 0



papillary ependymoma

Crude - 2 0 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0



Normalized - 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0



papillary meningioma

Crude - 0 3 0 0 0 1 0 1 1 2 0 2 2 2 1 0 0 0



Normalized - 0 2 0 0 0 0 0 0 0 0 2 0 2 3 3 2 0 0 0



papillary microcarcinoma

Crude - 0 0 1 1 7 21 36 48 66 68 71 63 55 38 19 14 4 4



Normalized - 0 0 0 0 5 16 30 42 64 74 85 86 90 75 55 64 34 67

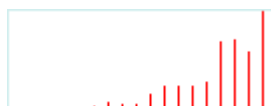


papillary mucinous cystadenocarcinoma

Crude - 0 0 0 4 11 21 32 24 24 43 56 50 43 41 63 40 18 15



Normalized - 0 0 0 3 9 16 27 21 23 47 67 68 70 81 182 185 155
254



papillary mucinous cystadenoma, borderline malignancy (c56.9)

Crude - 0 0 1 0 5 11 9 21 13 11 7 3 4 8 11 4 3 0



Normalized - 0 0 0 0 4 8 7 18 12 12 8 4 6 15 31 18 25 0

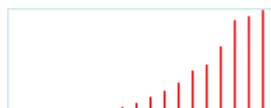


papillary serous cystadenocarcinoma

Crude - 0 0 2 18 98 157 226 388 696 1111 1439 1794 2128 2037
1902 1641 928 498



Normalized - 0 0 1 16 83 127 193 341 676 1215 1731 2459 3486
4034 5522 7613 8003 8446



papillary squamous cell carcinoma, non-invasive

Crude - 0 0 1 0 1 1 3 2 4 5 15 10 14 12 13 9 8 2



Normalized - 0 0 0 0 0 0 2 1 3 5 18 13 22 23 37 41 68 33

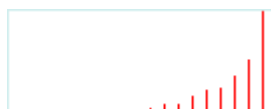


papillary squamous cell carcinoma

Crude - 0 0 0 0 4 6 18 12 28 51 67 69 101 117 85 79 61 59



Normalized - 0 0 0 0 3 4 15 10 27 55 80 94 165 231 246 366
526 1000



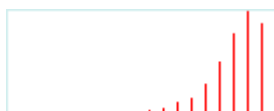
papillary trans. cell carcinoma, non-invasive

Crude - 0 0 0 0 3 3 17 21 48 67 112 200 249 375 460 445 301

137



Normalized - 0 0 0 0 2 2 14 18 46 73 134 274 407 742 1335
 2064 2595 2323

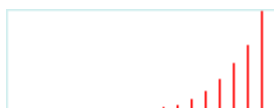


papillary trans. cell carcinoma

Crude - 0 4 7 69 162 307 544 984 1809 3124 5234 8155 11140
 14519 16200 15095 10917 8267



Normalized - 0 2 6 64 138 248 465 867 1758 3417 6297 11181
 18253 28757 47038 70036 94153 140210



paraganglioma, malignant

Crude - 0 1 1 1 3 9 7 11 14 11 9 10 6 13 6 6 6 3



Normalized - 0 0 0 0 2 7 5 9 13 12 10 13 9 25 17 27 51 50



paraganglioma, nos

Crude - 0 0 0 0 0 0 0 1 1 0 2 1 1 1 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 2 1 1 1 0 0 0 0 0



parosteal osteosarcoma

Crude - 0 1 15 18 24 14 15 13 4 1 4 2 4 1 1 0 0 1



Normalized - 0 0 13 16 20 11 12 11 3 1 4 2 6 1 2 0 0 16

**perineurioma, malignant**

Crude - 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0

**periosteal fibrosarcoma**

Crude - 0 0 1 1 3 2 2 0 1 1 1 3 1 5 3 0 0 0



Normalized - 0 0 0 0 0 2 1 1 0 0 0 1 1 4 1 9 8 0 0 0

**periosteal osteosarcoma**

Crude - 0 0 0 4 3 0 2 1 0 1 0 0 0 0 0 0 0 0



Normalized - 0 0 0 3 2 0 1 0 0 1 0 0 0 0 0 0 0 0



peripheral neuroectodermal tumor

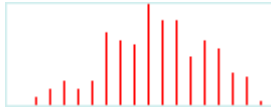
Crude - 6 8 12 24 10 12 12 12 9 6 6 7 6 6 3 6 1 3



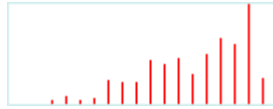
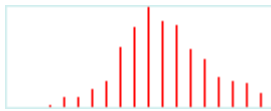
Normalized - 3 5 10 22 8 9 10 10 8 6 7 9 9 11 8 27 8 50

**pheochromocytoma**

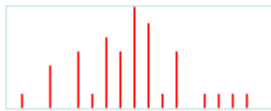
Crude - 0 2 4 6 4 6 18 16 15 25 21 21 12 16 14 8 7 1



Normalized - 0 1 3 5 3 4 15 14 14 27 25 28 19 31 40 37 60 16

**phyllodes tumor, malignant**Crude - 0 0 4 14 15 25 37 83 110 136 118 113 79 66 42 37 35
20Normalized - 0 0 3 13 12 20 31 73 106 148 141 154 129 130 121
171 301 339**pigmented dermatofibrosarcoma protuberans**

Crude - 1 0 3 0 4 1 5 4 7 6 1 4 0 1 1 1 1 0



Normalized - 0 0 2 0 3 0 4 3 6 6 1 5 0 1 2 4 8 0



pilocytic astrocytoma

Crude - 315 308 271 182 109 93 51 44 46 33 28 16 17 12 11 5 3
1



Normalized - 191 230 241 170 93 75 43 38 44 36 33 21 27 23 31
23 25 16

**pilomatrix carcinoma**

Crude - 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0

**pineoblastoma**

Crude - 16 13 10 11 10 7 6 6 2 2 4 3 3 2 0 1 2 0



Normalized - 9 9 8 10 8 5 5 5 1 2 4 4 4 3 0 4 17 0

**pineocytoma**

Crude - 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1

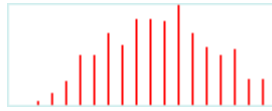


Normalized - 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 16



pituitary adenoma, nos

Crude - 2 6 16 33 68 68 96 80 115 113 112 131 96 76 68 74 35
36



Normalized - 1 4 14 30 58 55 82 70 111 123 134 179 157 150
197 343 301 610

**pituitary carcinoma, nos**

Crude - 0 0 0 0 0 0 0 0 0 1 1 1 1 0 2 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 1 1 1 0 3 0 0 0 0

**plasma cell leukemia**

Crude - 0 0 0 1 0 0 4 3 9 8 21 19 20 24 31 27 12 21



Normalized - 0 0 0 0 0 0 3 2 8 8 25 26 32 47 90 125 103 356

**plasmacytoma, extramedullary**

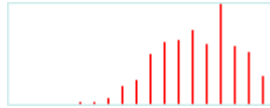
Crude - 0 0 0 0 5 6 20 28 45 55 80 107 122 123 124 96 83 45



Normalized - 0 0 0 0 4 4 17 24 43 60 96 146 199 243 360 445
715 763

**plasmacytoma, nos**

Crude - 0 0 0 1 3 5 9 28 36 72 89 91 106 86 141 84 76 42



Normalized - 0 0 0 0 2 4 7 24 34 78 107 124 173 170 409 389
655 712

**pleomorphic carcinoma**

Crude - 0 0 0 0 2 2 4 13 18 21 37 65 71 69 77 64 45 26



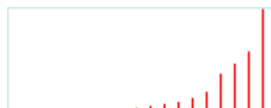
Normalized - 0 0 0 0 1 1 3 11 17 22 44 89 116 136 223 296 388
440

**pleomorphic liposarcoma**

Crude - 0 0 0 2 3 1 10 7 21 24 34 34 41 47 65 51 35 30



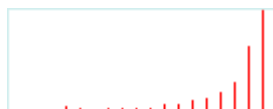
Normalized - 0 0 0 1 2 0 8 6 20 26 40 46 67 93 188 236 301
508

**pleomorphic rhabdomyosarcoma, adult type**

Crude - 2 3 1 9 5 2 5 6 8 6 10 9 12 13 12 12 14 11



Normalized - 1 2 0 8 4 1 4 5 7 6 12 12 19 25 34 55 120 186



pleomorphic xanthoastrocytoma

Crude - 3 6 19 19 9 7 8 3 3 4 4 2 2 3 1 0 0 0

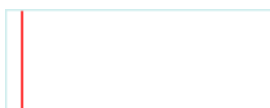


Normalized - 1 4 16 17 7 5 6 2 2 4 4 2 3 5 2 0 0 0

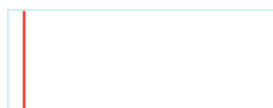


pleuropulmonary blastoma

Crude - 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



polar spongioblastoma

Crude - 1 0 0 3 0 2 0 0 2 0 2 1 1 0 0 1 0 1



Normalized - 0 0 0 2 0 1 0 0 1 0 2 1 1 0 0 4 0 16

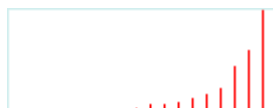


polycythemia vera

Crude - 3 2 0 10 5 12 23 25 51 105 107 115 130 150 142 171
122 102



Normalized - 1 1 0 9 4 9 19 22 49 114 128 157 213 297 412 793
1052 1729

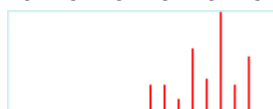


polygonal cell carcinoma

Crude - 0 0 0 0 0 0 0 0 0 4 4 2 6 3 5 1 1 0



Normalized - 0 0 0 0 0 0 0 0 0 4 4 2 9 5 14 4 8 0

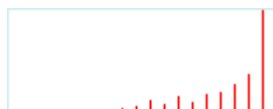


polymorphous low grade adenocarcinoma

Crude - 0 0 0 2 0 2 0 4 7 11 8 13 7 10 8 7 5 7



Normalized - 0 0 0 1 0 1 0 3 6 12 9 17 11 19 23 32 43 118



precancerous melanosis, nos

Crude - 1 0 0 2 6 5 9 8 11 4 9 9 10 17 4 8 2 5



Normalized - 0 0 0 1 5 4 7 7 10 4 10 12 16 33 11 37 17 84

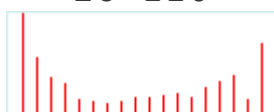


precursor b-cell lymphoblastic leukemia

Crude - 275 129 69 56 31 26 22 26 29 27 27 26 18 23 19 14 3 7



Normalized - 167 96 61 52 26 21 18 22 28 29 32 35 29 45 55 64
25 118



precursor b-cell lymphoblastic lymphoma

Crude - 9 9 10 5 3 0 1 1 1 0 0 5 3 0 1 0 0 1



Normalized - 5 6 8 4 2 0 0 0 0 0 0 6 4 0 2 0 0 16



precursor cell lymphoblastic leukemia, nos

Crude - 2905 1470 855 647 361 282 270 227 204 208 232 224 249
241 240 220 203 184



Normalized - 1770 1099 762 606 309 228 231 200 198 227 279
307 407 477 696 1020 1750 3120



precursor cell lymphoblastic lymphoma, nos

Crude - 66 84 89 86 74 74 79 51 38 40 26 39 44 42 46 36 32 17



Normalized - 40 62 79 80 63 59 67 44 36 43 31 53 72 83 133
167 275 288



precursor t-cell lymphoblastic leukemia

Crude - 15 13 24 16 5 8 5 3 6 7 6 1 1 1 2 2 1 1



Normalized - 9 9 21 14 4 6 4 2 5 7 7 1 1 1 5 9 8 16

**precursor t-cell lymphoblastic lymphoma**

Crude - 9 13 13 9 7 9 9 4 9 13 2 4 5 1 4 2 0 2



Normalized - 5 9 11 8 5 7 7 3 8 14 2 5 8 1 11 9 0 33

**primary cutan. cd30+ t-cell lymphoprolif. disorder**

Crude - 0 2 3 3 6 6 4 6 5 11 16 12 15 11 17 12 9 9



Normalized - 0 1 2 2 5 4 3 5 4 12 19 16 24 21 49 55 77 152

**primary effusion lymphoma**

Crude - 0 0 0 0 0 1 0 1 3 3 1 0 1 1 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 2 3 1 0 1 1 2 0 0 0



primitive neuroectodermal tumor

Crude - 138 71 50 42 40 31 27 22 27 18 7 12 7 3 1 5 5 1

Normalized - 84 53 44 39 34 25 23 19 26 19 8 16 11 5 2 23 43
16**prolactinoma**

Crude - 0 0 5 5 5 6 3 11 5 3 1 1 1 4 0 0 1 0



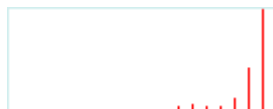
Normalized - 0 0 4 4 4 4 2 9 4 3 1 1 1 7 0 0 8 0

**prolymphocytic leukemia, b-cell type**

Crude - 0 0 0 1 0 0 0 1 1 0 1 4 5 3 2 3 5 6



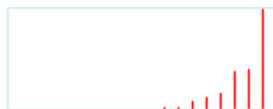
Normalized - 0 0 0 0 0 0 0 0 0 0 1 5 8 5 5 13 43 101

**prolymphocytic leukemia, nos**

Crude - 0 0 0 3 3 1 0 1 5 7 12 20 35 44 40 57 33 40



Normalized - 0 0 0 2 2 0 0 0 4 7 14 27 57 87 116 264 284 678

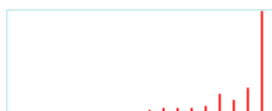


prolymphocytic leukemia, t-cell type

Crude - 0 0 0 0 0 0 0 0 0 1 4 5 5 4 4 7 3 3 6



Normalized - 0 0 0 0 0 0 0 0 0 0 4 6 6 6 7 20 13 25 101

**protoplasmic astrocytoma**

Crude - 8 2 2 6 8 11 15 6 8 4 4 7 7 1 2 2 1 0



Normalized - 4 1 1 5 6 8 12 5 7 4 4 9 11 1 5 9 8 0

**psammomatous meningioma**

Crude - 0 0 0 0 0 0 0 1 3 3 9 3 13 13 6 14 10 5 4



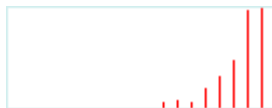
Normalized - 0 0 0 0 0 0 0 0 2 2 9 3 17 21 11 40 46 43 67

**pseudosarcomatous carcinoma**

Crude - 0 0 0 1 0 2 0 6 5 8 24 28 16 45 46 43 47 24



Normalized - 0 0 0 0 0 1 0 5 4 8 28 38 26 89 133 199 405 407



pulmonary blastoma

Crude - 3 0 1 1 3 2 0 2 0 1 0 1 3 4 0 2 1 0



Normalized - 1 0 0 0 2 1 0 1 0 1 0 1 4 7 0 9 8 0

**queyrat erythroplasia**

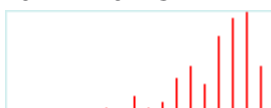
Crude - 0 0 0 0 2 4 5 7 4 5 10 9 16 16 8 14 9 4



Normalized - 0 0 0 0 1 3 4 6 3 5 12 12 26 31 23 64 77 67

**refract. anemia with excess blasts in transformation**

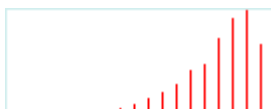
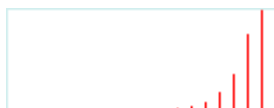
Crude - 0 0 0 0 0 0 1 0 3 1 2 6 8 5 13 16 17 8



Normalized - 0 0 0 0 0 0 0 0 2 1 2 8 13 9 37 74 146 135

**refractory anemia with excess blasts**

Crude - 0 3 1 2 1 0 3 5 11 20 29 43 63 71 111 143 154 103

Normalized - 0 2 0 1 0 0 2 4 10 21 34 58 103 140 322 663 1328
1746

refractory anemia with sideroblasts

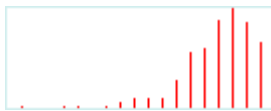
Crude - 0 0 0 0 0 2 4 7 7 9 18 32 29 59 88 132 160 108

Normalized - 0 0 0 0 0 1 3 6 6 9 21 43 47 116 255 612 1379
1831**refractory anemia**

Crude - 1 0 0 4 2 2 4 2 11 13 26 54 49 87 98 166 166 135

Normalized - 0 0 0 3 1 1 3 1 10 14 31 74 80 172 284 770 1431
2289**refractory cytopenia with multilineage dysplasia**

Crude - 1 0 0 1 1 0 1 3 5 5 5 14 28 30 44 49 43 33



Normalized - 0 0 0 0 0 0 0 2 4 5 6 19 45 59 127 227 370 559

**renal cell carcinoma, chromophobe type**

Crude - 0 0 0 1 3 7 17 20 65 59 56 76 65 51 56 83 42 16

Normalized - 0 0 0 0 2 5 14 17 63 64 67 104 106 101 162 385
362 271

renal cell carcinoma, sarcomatoid

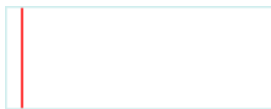
Crude - 0 0 0 0 0 0 2 6 15 19 26 32 41 32 34 31 13 7



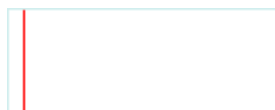
Normalized - 0 0 0 0 0 0 1 5 14 20 31 43 67 63 98 143 112 118

**renal cell carcinoma**Crude - 6 7 17 35 65 163 361 813 1520 2424 3396 4311 4968
5465 5151 4309 2723 1809Normalized - 3 5 15 32 55 131 309 716 1477 2651 4086 5911
8140 10824 14956 19992 23484 30681**retinoblastoma, differentiated**

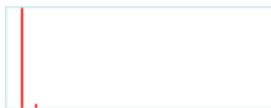
Crude - 41 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**retinoblastoma, nos**

Crude - 604 30 3 2 0 0 0 1 1 0 0 0 0 0 0 0 0 0

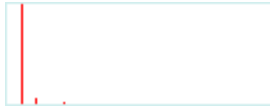


Normalized - 368 22 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0



retinoblastoma, undifferentiated

Crude - 39 3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 23 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



rhabdomyosarcoma with ganglionic differentiation

Crude - 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



rhabdomyosarcoma, nos

Crude - 48 39 31 34 27 15 14 15 14 23 26 26 30 38 39 33 31 22



Normalized - 29 29 27 31 23 12 11 13 13 25 31 35 49 75 113
153 267 373



round cell liposarcoma

Crude - 0 0 0 1 1 3 12 15 9 19 10 11 9 5 4 9 3 4



Normalized - 0 0 0 0 0 2 10 13 8 20 12 15 14 9 11 41 25 67

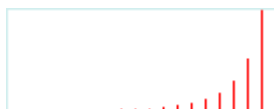


sarcoma, nos

Crude - 30 20 50 56 77 98 91 130 153 170 222 260 280 314 303
310 284 276



Normalized - 18 14 44 52 65 79 77 114 148 185 267 356 458 621
879 1438 2449 4681



schneiderian carcinoma

Crude - 0 0 0 0 0 0 0 0 1 1 1 3 3 2 5 2 3 1 1



Normalized - 0 0 0 0 0 0 0 0 0 0 1 3 4 3 9 5 13 8 16



scirrhous adenocarcinoma

Crude - 0 0 0 0 0 9 24 72 130 210 301 349 427 402 409 374 259
198

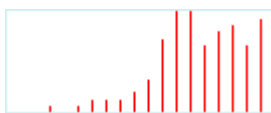


Normalized - 0 0 0 0 0 7 20 63 126 229 362 478 699 796 1187
1735 2233 3358



sclerosing sweat duct carcinoma

Crude - 0 0 1 0 1 2 2 2 3 5 11 15 15 10 12 13 10 14



Normalized - 0 0 0 0 0 0 1 1 1 2 5 13 20 24 19 34 60 86 237



sebaceous adenocarcinoma

Crude - 0 0 0 0 0 1 2 4 11 12 43 34 59 66 97 107 129 120 111



Normalized - 0 0 0 0 0 0 1 3 9 11 47 40 80 108 192 310 598 1034
1882



secretory carcinoma of breast

Crude - 0 0 2 3 1 1 5 1 7 5 9 9 3 4 5 5 6 4



Normalized - 0 0 1 2 0 0 4 0 6 5 10 12 4 7 14 23 51 67



seminoma, anaplastic

Crude - 1 0 0 9 34 105 121 112 83 54 32 19 23 14 7 8 4 1



Normalized - 0 0 0 8 29 84 103 98 80 59 38 26 37 27 20 37 34
16



seminoma, nos

Crude - 0 0 4 79 611 1547 2103 2003 1502 898 486 262 144 97
51 37 13 12



Normalized - 0 0 3 74 523 1251 1801 1765 1459 982 584 359 235
192 148 171 112 203



serous adenocarcinofibroma

Crude - 0 0 0 0 0 0 0 0 1 0 1 1 1 3 1 0 1 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 1 1 1 4 1 0 4 0 0

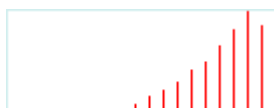


serous cystadenocarcinoma, nos

Crude - 0 0 0 5 14 42 60 101 218 377 475 563 687 667 586 457
298 132



Normalized - 0 0 0 4 11 33 51 89 211 412 571 771 1125 1321
1701 2120 2570 2238



serous cystadenoma, borderline malignancy (c56.9)

Crude - 0 0 1 20 38 75 80 114 130 116 99 82 67 75 62 43 21 18



Normalized - 0 0 0 18 32 60 68 100 126 126 119 112 109 148
180 199 181 305

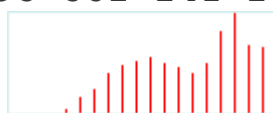


**serous papillary cystic tumor of borderline malignancy
(c56.9)**

Crude - 0 0 3 22 70 108 165 194 192 185 150 119 87 89 101 76
28 14



Normalized - 0 0 2 20 59 87 141 170 186 202 180 163 142 176
293 352 241 237



serous surface papillary carcinoma

Crude - 0 0 0 1 9 21 30 65 96 181 242 325 390 411 344 323 173
97



Normalized - 0 0 0 0 7 16 25 57 93 197 291 445 639 814 998
1498 1492 1645



sertoli cell carcinoma

Crude - 0 1 1 4 3 1 1 1 4 2 3 0 2 0 1 1 0 1



Normalized - 0 0 0 3 2 0 0 0 3 2 3 0 3 0 2 4 0 16



sertoli-leydig cell tumor, poorly differentiated

Crude - 0 0 1 10 6 2 2 2 1 0 3 3 1 1 3 2 3 0



Normalized - 0 0 0 9 5 1 1 1 0 0 3 4 1 1 8 9 25 0



sertoli-leydig cl tum., p.d. w heterologous elements

Crude - 0 0 0 0 0 2 0 0 1 0 0 0 0 0 0 0 0 0



Normalized - 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0



sezary syndrome

Crude - 0 0 0 1 1 0 1 4 3 4 6 12 12 14 15 13 19 9



Normalized - 0 0 0 0 0 0 0 3 2 4 7 16 19 27 43 60 163 152

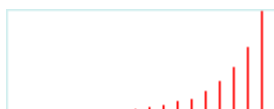


signet ring cell carcinoma

Crude - 0 0 4 11 48 98 189 312 497 613 816 1032 1171 1431
1482 1370 1062 831



Normalized - 0 0 3 10 41 79 161 274 483 670 981 1415 1918
2834 4303 6356 9159 14094



skin appendage carcinoma

Crude - 0 0 3 4 7 5 14 19 19 41 40 44 40 55 66 57 49 31



Normalized - 0 0 2 3 5 4 11 16 18 44 48 60 65 108 191 264 422
525



small cell carcinoma, fusiform cell

Crude - 0 0 0 0 0 0 0 0 0 2 4 8 13 11 20 14 4 5 2



Normalized - 0 0 0 0 0 0 0 0 0 1 4 9 17 18 39 40 18 43 33



small cell carcinoma, intermediate cell

Crude - 0 0 0 0 0 1 3 10 18 54 125 181 263 341 276 236 123 38



Normalized - 0 0 0 0 0 0 2 8 17 59 150 248 430 675 801 1094
1060 644

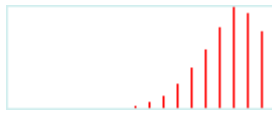


small cell carcinoma, nos

Crude - 5 1 4 13 31 54 88 275 782 1755 3540 5950 7866 9277
8854 6773 3469 1436



Normalized - 3 0 3 12 26 43 75 242 759 1919 4259 8158 12888
18374 25708 31424 29918 24354

**small cell osteosarcoma**

Crude - 0 0 1 3 0 1 0 0 1 0 0 0 0 0 1 1 0 0



Normalized - 0 0 0 2 0 0 0 0 0 0 0 0 0 0 2 4 0 0

**small cell sarcoma**

Crude - 0 1 9 15 9 6 9 4 5 4 3 6 3 1 6 3 3 0



Normalized - 0 0 8 14 7 4 7 3 4 4 3 8 4 1 17 13 25 0

**solid carcinoma, nos**

Crude - 0 0 0 1 0 0 2 4 16 17 27 29 30 27 29 23 24 10



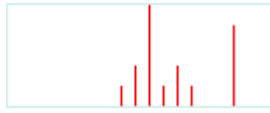
Normalized - 0 0 0 0 0 0 1 3 15 18 32 39 49 53 84 106 206 169

**solid pseudopapillary carcinoma**

Crude - 0 0 0 1 1 1 2 3 5 1 2 1 0 0 1 0 0



Normalized - 0 0 0 0 0 0 0 1 2 5 1 2 1 0 0 4 0 0

**solitary fibrous tumor, malignant**

Crude - 0 0 0 0 0 1 1 2 2 6 3 8 12 4 6 2 2 1



Normalized - 0 0 0 0 0 0 0 0 1 1 6 3 10 19 7 17 9 17 16

**solitary fibrous tumor**

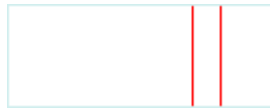
Crude - 0 0 0 0 0 0 0 0 1 1 0 0 0 1 0 0 1 0 0



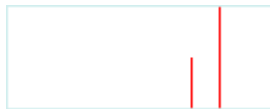
Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 4 0 0

**somatostatinoma, malignant**

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 0 0 0

**spermatocytic seminoma**

Crude - 0 0 0 1 4 8 10 10 8 15 11 8 12 13 6 10 8 4



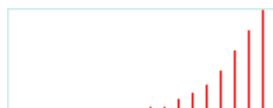
Normalized - 0 0 0 0 3 6 8 8 7 16 13 10 19 25 17 46 68 67

**spindle cell carcinoma**

Crude - 0 1 0 0 0 2 8 17 28 32 42 78 99 114 121 113 81 51



Normalized - 0 0 0 0 0 1 6 14 27 35 50 106 162 225 351 524
698 864

**spindle cell melanoma, nos**

Crude - 0 5 6 10 20 34 31 51 56 84 92 117 134 141 134 138 110
118



Normalized - 0 3 5 9 17 27 26 44 54 91 110 160 219 279 389
640 948 2001

**spindle cell melanoma, type a**

Crude - 0 0 0 3 1 1 2 0 4 3 3 6 7 5 3 5 1 3



Normalized - 0 0 0 2 0 0 1 0 3 3 3 8 11 9 8 23 8 50

**spindle cell melanoma, type b**

Crude - 0 0 2 3 7 7 25 14 25 43 57 56 55 51 64 30 26 12



Normalized - 0 0 1 2 5 5 21 12 24 47 68 76 90 101 185 139 224
203

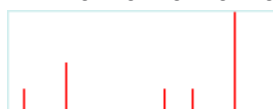


spindle cell rhabdomyosarcoma

Crude - 2 1 0 3 0 1 1 0 0 0 1 0 1 0 0 1 0 0



Normalized - 1 0 0 2 0 0 0 0 0 0 0 1 0 1 0 0 4 0 0

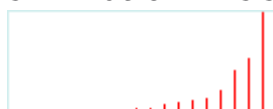


spindle cell sarcoma

Crude - 4 9 8 18 26 24 33 39 63 49 91 105 93 89 102 117 81 74

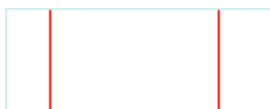


Normalized - 2 6 7 16 22 19 28 34 61 53 109 143 152 176 296
542 698 1255

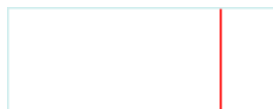


spindle epithelial tumor with thymus-like element

Crude - 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0



splenic marginal zone b-cell lymphoma

Crude - 0 0 0 0 0 0 0 1 3 12 16 22 22 21 19 30 23 10



Normalized - 0 0 0 0 0 0 0 0 0 2 13 19 30 36 41 55 139 198 169



sq. cell carc. in situ with question. stromal invas.

Crude - 0 0 0 1 7 8 12 9 5 8 3 5 9 4 4 4 3 2

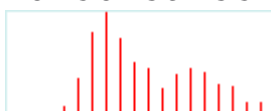


Normalized - 0 0 0 0 5 6 10 7 4 8 3 6 14 7 11 18 25 33



sq. cell carcinoma, keratinizing, nos, in situ

Crude - 0 0 0 6 28 63 78 58 39 35 19 30 35 32 22 21 8 8



Normalized - 0 0 0 5 23 50 66 51 37 38 22 41 57 63 63 97 68
135



sq. cell carcinoma, keratinizing, nos

Crude - 1 0 0 6 46 148 367 584 913 1404 1957 2618 3159 3419
3331 2545 1540 1071



Normalized - 0 0 0 5 39 119 314 514 887 1535 2354 3589 5176
6771 9671 11808 13281 18164



sq. cell carcinoma, lg. cell, non-ker., in situ

Crude - 0 0 0 5 34 88 85 57 29 19 18 17 10 14 1 5 2 4



Normalized - 0 0 0 4 29 71 72 50 28 20 21 23 16 27 2 23 17 67

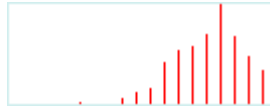
**sq. cell carcinoma, lg. cell, non-ker.**Crude - 0 0 0 4 34 222 368 460 596 632 693 873 965 1050 911
663 384 234Normalized - 0 0 0 3 29 179 315 405 579 691 833 1197 1581
2079 2645 3076 3311 3968**sq. cell carcinoma, micro-invasive**Crude - 0 0 0 17 128 490 607 555 477 356 260 210 213 214 161
94 66 25Normalized - 0 0 0 15 109 396 519 489 463 389 312 287 349 423
467 436 569 424**sq. cell carcinoma, sm. cell, non-ker.**

Crude - 0 0 0 0 0 8 11 12 15 23 20 31 39 42 48 34 14 2

Normalized - 0 0 0 0 0 6 9 10 14 25 24 42 63 83 139 157 120
33

**sq. cell carcinoma, spindle cell**

Crude - 0 0 0 0 3 0 2 8 15 18 49 61 66 79 112 77 55 39



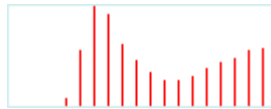
Normalized - 0 0 0 0 2 0 1 7 14 19 58 83 108 156 325 357 474
661

**squamous cell carcinoma in situ, nos**

Crude - 0 3 13 1081 7328 13576 11890 7919 5291 3455 2504 2169
2045 2142 1691 1163 717 383



Normalized - 0 2 11 1012 6273 10982 10184 6979 5141 3779 3012
2974 3350 4242 4910 5396 6183 6495

**squamous cell carcinoma with horn formation**

Crude - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

**squamous cell carcinoma, adenoid**

Crude - 0 0 0 0 0 1 0 3 1 5 7 8 12 17 9 13 4 6



Normalized - 0 0 0 0 0 0 0 0 2 0 5 8 10 19 33 26 60 34 101



squamous cell carcinoma, clear cell type

Crude - 0 0 0 0 0 0 0 0 1 0 4 1 2 1 4 2 2 1 2



Normalized - 0 0 0 0 0 0 0 0 0 0 0 4 1 2 1 7 5 9 8 33



squamous cell carcinoma, nos

Crude - 2 5 21 57 406 1347 2593 4188 7300 12939 20402 28976
36422 40029 37493 28758 16792 10096



Normalized - 1 3 18 53 347 1089 2221 3690 7094 14153 24548
39730 59678 79284 108865 133429 144822 171231



squamous intraepithelial neoplasia, grade iii

Crude - 0 0 14 1121 3989 4900 4027 2955 2223 1586 1037 737
516 464 360 221 140 237

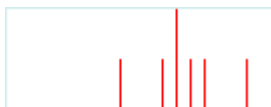


Normalized - 0 0 12 1050 3415 3963 3449 2604 2160 1734 1247
1010 845 919 1045 1025 1207 4019



steroid cell tumor, malignant

Crude - 0 0 0 0 0 0 0 0 1 0 0 1 2 1 1 0 0 1 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 1 2 1 1 0 0 8 0



stromal sarcoma, nos

Crude - 0 0 1 0 2 2 3 12 15 26 19 21 20 18 16 18 6 12



Normalized - 0 0 0 0 1 1 2 10 14 28 22 28 32 35 46 83 51 203



struma ovarii, malignant

Crude - 0 0 0 0 1 1 2 1 3 4 1 1 0 0 1 1 0 0



Normalized - 0 0 0 0 0 0 0 1 0 2 4 1 1 0 0 2 4 0 0

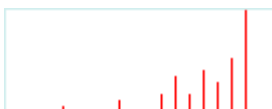


subcutaneous panniculitis-like t-cell lymphoma

Crude - 0 0 0 2 0 0 0 3 1 0 3 5 2 4 2 2 2 0

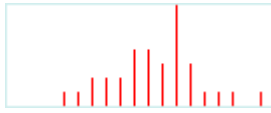


Normalized - 0 0 0 1 0 0 0 2 0 0 3 6 3 7 5 9 17 0



subependymoma

Crude - 0 0 0 1 1 2 2 2 4 4 3 7 3 1 1 1 0 1



Normalized - 0 0 0 0 0 1 1 1 3 4 3 9 4 1 2 4 0 16



supependymal giant cell astrocytoma

Crude - 2 4 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 1 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0



superficial spreading adenocarcinoma

Crude - 0 0 0 0 0 2 2 3 5 14 13 19 22 30 29 16 18 10

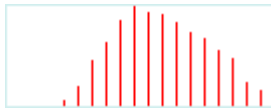


Normalized - 0 0 0 0 0 1 1 2 4 15 15 26 36 59 84 74 155 169



superficial spreading melanoma, in situ

Crude - 2 0 5 35 103 238 332 441 509 480 478 432 385 354 294
246 124 89



Normalized - 1 0 4 32 88 192 284 388 494 525 575 592 630 701
853 1141 1069 1509



superficial spreading melanoma

Crude - 0 10 50 329 1064 2127 3244 3908 4329 4259 4129 3946
 3589 3116 2710 2047 1227 845



Normalized - 0 7 44 308 910 1720 2778 3444 4207 4658 4968
 5410 5880 6171 7868 9497 10582 14331

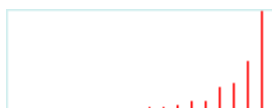


sweat gland adenocarcinoma

Crude - 0 0 1 1 3 10 8 8 18 24 25 30 42 34 52 37 35 35



Normalized - 0 0 0 0 2 8 6 7 17 26 30 41 68 67 150 171 301
 593



synovial sarcoma, biphasic

Crude - 0 6 13 21 18 14 20 13 12 11 6 9 3 5 3 1 0 1

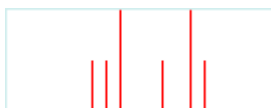


Normalized - 0 4 11 19 15 11 17 11 11 12 7 12 4 9 8 4 0 16



synovial sarcoma, epithelioid cell

Crude - 0 0 0 0 0 1 1 2 0 0 1 0 2 1 0 0 0 0



Normalized - 0 0 0 0 0 0 0 1 0 0 1 0 3 1 0 0 0 0



synovial sarcoma, nos

Crude - 2 11 41 44 67 67 49 52 42 31 37 28 23 19 14 17 8 3

Normalized - 1 8 36 41 57 54 41 45 40 33 44 38 37 37 40 78 68
50**synovial sarcoma, spindle cell**

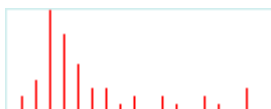
Crude - 1 2 9 21 14 19 21 19 13 9 15 18 4 3 4 5 1 0



Normalized - 0 1 8 19 11 15 17 16 12 9 18 24 6 5 11 23 8 0

**telangiectatic osteosarcoma**

Crude - 2 4 13 10 6 3 3 1 2 0 2 1 0 2 1 0 3 0



Normalized - 1 2 11 9 5 2 2 0 1 0 2 1 0 3 2 0 25 0

**teratocarcinoma**

Crude - 6 4 22 209 457 413 285 145 74 46 18 8 10 11 4 2 0 3

Normalized - 3 2 19 195 391 334 244 127 71 50 21 10 16 21 11
9 0 50

teratoma with malig. transformation

Crude - 0 0 0 2 1 3 2 2 4 1 5 3 4 3 3 0 1 0

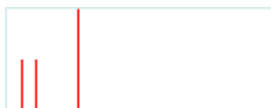


Normalized - 0 0 0 1 0 2 1 1 3 1 6 4 6 5 8 0 8 0

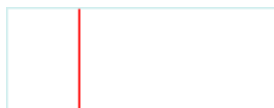


teratoma, benign

Crude - 1 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0



Normalized - 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0



teratoma, malignant, nos

Crude - 141 32 90 178 223 204 163 93 37 25 15 8 6 10 5 7 4 1



Normalized - 85 23 80 166 190 165 139 81 35 27 18 10 9 19 14
32 34 16



thecoma, malignant

Crude - 0 0 0 1 2 0 1 2 0 3 2 1 5 3 5 1 1 1



Normalized - 0 0 0 0 1 0 0 1 0 3 2 1 8 5 14 4 8 16



therapy-related acute myeloid leukemia, nos

Crude - 0 1 1 1 1 0 0 2 1 4 1 4 2 6 2 2 2 2



Normalized - 0 0 0 0 0 0 0 0 1 0 4 1 5 3 11 5 9 17 33

**therapy-related myelodysplastic syndrome, nos**

Crude - 2 0 0 1 0 2 1 4 3 4 5 9 9 5 12 18 8 3



Normalized - 1 0 0 0 0 1 0 3 2 4 6 12 14 9 34 83 68 50

**thymic carcinoma, nos**

Crude - 0 0 0 0 0 1 2 4 7 12 5 9 11 8 12 8 1 2



Normalized - 0 0 0 0 0 0 1 3 6 13 6 12 18 15 34 37 8 33

**thymoma, malignant, nos**

Crude - 1 3 4 6 22 32 39 53 71 101 93 118 105 112 84 66 33 16

Normalized - 0 2 3 5 18 25 33 46 69 110 111 161 172 221 243
306 284 271

**thymoma, type a, malignant**

Crude - 0 0 0 0 0 0 0 0 0 0 2 3 1 4 8 2 6 3 3



Normalized - 0 0 0 0 0 0 0 0 0 0 2 3 1 6 15 5 27 25 50

**thymoma, type ab, malignant**

Crude - 0 0 1 0 1 4 1 0 3 6 6 1 5 5 7 2 1 2



Normalized - 0 0 0 0 0 0 3 0 0 2 6 7 1 8 9 20 9 8 33

**thymoma, type b1, malignant**

Crude - 0 0 1 1 1 0 6 2 5 8 3 9 6 2 6 10 5 1



Normalized - 0 0 0 0 0 0 5 1 4 8 3 12 9 3 17 46 43 16

**thymoma, type b2, malignant**

Crude - 0 0 0 0 0 1 3 0 3 3 5 4 6 0 0 1 3 0



Normalized - 0 0 0 0 0 0 2 0 2 3 6 5 9 0 0 4 25 0

**thymoma, type b3, malignant**

Crude - 0 0 0 0 0 0 2 5 4 5 8 6 9 8 14 9 5 2 2



Normalized - 0 0 0 0 0 0 1 4 3 4 8 7 12 13 27 26 23 17 33

**trabecular adenocarcinoma**

Crude - 0 0 0 1 2 2 4 5 0 7 11 20 15 23 21 40 15 18



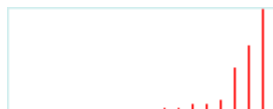
Normalized - 0 0 0 0 1 1 3 4 0 7 13 27 24 45 60 185 129 305

**trans. cell carcinoma, spindle cell**

Crude - 0 0 0 0 0 1 1 0 2 2 6 8 14 12 10 27 22 17



Normalized - 0 0 0 0 0 0 0 0 1 2 7 10 22 23 29 125 189 288

**transitional cell carcinoma in situ**

Crude - 0 0 0 1 2 1 5 4 8 22 40 70 99 148 200 181 99 60



Normalized - 0 0 0 0 1 0 4 3 7 24 48 95 162 293 580 839 853
1017

**transitional cell carcinoma, micropapillary**

Crude - 0 0 0 0 0 0 0 0 0 1 0 1 1 3 5 6 0 7 4



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 1 4 9 17 0 60 67

**transitional cell carcinoma, nos**

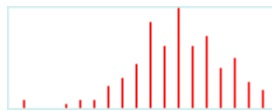
Crude - 0 1 4 14 36 68 144 290 605 1228 2256 3743 5727 7436
8307 8332 6635 5417



Normalized - 0 0 3 13 30 55 123 255 587 1343 2714 5132 9383
14728 24120 38658 57223 91873

**transitional meningioma**

Crude - 2 0 0 1 2 2 5 7 10 19 14 22 14 16 9 11 6 4



Normalized - 1 0 0 0 1 1 4 6 9 20 16 30 22 31 26 51 51 67

**trophoblastic tumor, epithelioid**

Crude - 0 0 0 0 0 1 0 1 6 1 0 0 0 0 0 0 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0

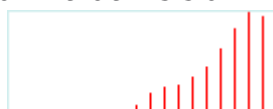


tubular adenocarcinoma

Crude - 0 1 0 1 0 4 27 110 343 663 802 733 797 826 782 640
406 202



Normalized - 0 0 0 0 0 0 3 23 96 333 725 964 1005 1305 1636
2270 2969 3501 3425

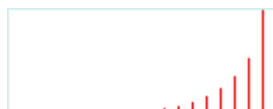


tumor cells, malignant

Crude - 2 0 1 4 6 12 15 33 53 99 161 225 371 532 604 550 465
442



Normalized - 1 0 0 3 5 9 12 29 51 108 193 308 607 1053 1753
2551 4010 7496



undifferentiated sarcoma

Crude - 2 1 2 4 1 0 1 0 0 2 2 2 3 1 4 4 0 0



Normalized - 1 0 1 3 0 0 0 0 0 2 2 2 4 1 11 18 0 0



venous hemangioma

Crude - 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0

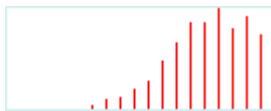


Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0



verrucous carcinoma, nos

Crude - 0 0 0 1 3 10 25 31 50 69 112 154 203 204 233 189 216
173



Normalized - 0 0 0 0 2 8 21 27 48 75 134 211 332 404 676 876
1862 2934



villous adenocarcinoma

Crude - 0 0 0 0 2 3 5 9 16 25 36 51 109 115 123 96 94 74



Normalized - 0 0 0 0 1 2 4 7 15 27 43 69 178 227 357 445 810
1255



vipoma

Crude - 0 0 0 0 0 0 0 0 0 1 1 2 2 2 1 2 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 1 2 2 3 1 5 0 0 0



waldenstrom macroglobulinemia

Crude - 0 1 0 0 1 0 7 14 20 48 92 120 149 198 255 297 220 163

Normalized - 0 0 0 0 0 0 5 12 19 52 110 164 244 392 740 1377
1897 2764**water-clear cell adenocarcinoma**

Crude - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0



Normalized - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0

**yolk sac tumor**

Crude - 165 14 25 58 80 86 59 32 24 12 11 4 3 6 3 1 0 1

Normalized - 100 10 22 54 68 69 50 28 23 13 13 5 4 11 8 4 0
16

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"Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) Limited-Use Data (1973-2005), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2008, based on the November 2007 submission."

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