<JLO 22-0646.R1; supplementary material>

**Table 1.** Ahrefs search query list ranked by average monthly search volume in USA

|  |  |  |  |
| --- | --- | --- | --- |
| Rank | Keyword | Monthly search volume in USA | Category (Rothwell) |
| 1 | hpv throat cancer | 7200 | Other |
| 2 | hpv cancer | 6900 | Other |
| 3 | what percentage of high-risk hpv turns to cancer | 4400 | Fact |
| 4 | hpv cancer symptoms | 3300 | Other |
| 5 | hpv tongue cancer | 2900 | Other |
| 6 | hpv cervical cancer | 2500 | Other |
| 7 | hpv cancer in men | 2200 | Other |
| 8 | hpv tonsil cancer | 1400 | Other |
| 9 | hpv anal cancer | 1200 | Other |
| 10 | hpv throat cancer symptoms | 1200 | Other |
| 11 | hpv oral cancer | 1200 | Other |
| 12 | hpv cancer symptoms female | 1100 | Other |
| 13 | what causes cervical cancer besides hpv | 1000 | Fact |
| 14 | hpv tonsil cancer pictures | 1000 | Other |
| 15 | hpv and cervical cancer | 1000 | Other |
| 16 | hpv penile cancer | 1000 | Other |
| 17 | can hpv cause cancer | 900 | Fact |
| 18 | hpv throat cancer pictures | 900 | Other |
| 19 | hpv colon cancer symptoms | 900 | Other |
| 20 | what is hpv cancer | 900 | Fact |
| 21 | hpv throat cancer survival rate | 900 | Other |
| 22 | does hpv cause cancer | 900 | Fact |
| 23 | hpv cervical cancer symptoms | 800 | Other |
| 24 | what percent of people with hpv get cancer | 800 | Fact |
| 25 | early stage hpv tonsil cancer pictures | 800 | Other |
| 26 | stage 3 hpv throat cancer survival rate | 700 | Other |
| 27 | hpv and cancer | 700 | Other |
| 28 | how does hpv cause cancer | 700 | Fact |
| 29 | what causes hpv cancer | 600 | Fact |
| 30 | can you get cervical cancer without hpv | 600 | Fact |
| 31 | is hpv cancer | 600 | Fact |
| 32 | hpv cancer in women | 600 | Other |
| 33 | hpv head and neck cancer | 500 | Other |
| 34 | hpv mouth cancer | 500 | Other |
| 35 | hpv causes cancer | 500 | Other |
| 36 | hpv and throat cancer | 500 | Other |
| 37 | hpv strains that cause cancer | 450 | Other |
| 38 | how fast does hpv throat cancer spread | 450 | Value |
| 39 | hpv vaccine cancer | 450 | Other |
| 40 | cervical cancer hpv | 450 | Other |
| 41 | oropharyngeal cancer hpv | 450 | Other |
| 42 | hpv causes what type of cancer | 400 | Fact |
| 43 | hpv cancer throat | 400 | Other |
| 44 | can men get hpv cancer | 350 | Fact |
| 45 | hpv causes cervical cancer | 350 | Other |
| 46 | anal cancer hpv | 350 | Other |
| 47 | hpv that causes cancer | 300 | Other |
| 48 | hpv and oral cancer | 300 | Other |
| 49 | can hpv cause cancer in men | 300 | Fact |
| 50 | hpv causes throat cancer | 300 | Other |
| 51 | hpv neck cancer | 300 | Other |
| 52 | hpv negative cervical cancer | 300 | Other |
| 53 | hpv in men cancer | 300 | Other |
| 54 | throat cancer hpv | 300 | Other |
| 55 | can hpv cause throat cancer | 300 | Fact |
| 56 | can men get cancer from hpv | 300 | Fact |
| 57 | what.percent of.people with hpv get cancer | 250 | Fact |
| 58 | penile cancer hpv | 250 | Other |
| 59 | throat cancer from hpv | 250 | Other |
| 60 | hpv oral cancer symptoms | 250 | Other |
| 61 | how do you get hpv cancer | 250 | Fact |
| 62 | hpv types that cause cancer | 250 | Other |
| 63 | can hpv cause ovarian cancer | 250 | Fact |
| 64 | signs of hpv cancer | 250 | Other |
| 65 | does hpv cause cervical cancer | 250 | Fact |
| 66 | can you have cervical cancer without hpv | 250 | Fact |
| 67 | is there a link between hpv and colon cancer | 250 | Fact |
| 68 | hpv throat cancer treatment | 200 | Other |
| 69 | does hpv mrna e6/e7 detected mean cancer | 200 | Fact |
| 70 | hpv oropharyngeal cancer | 200 | Other |
| 71 | hpv ovarian cancer | 200 | Other |
| 72 | hpv cancer treatment | 200 | Other |
| 73 | hpv and anal cancer | 200 | Other |
| 74 | early stage hpv early stage tonsil cancer | 200 | Other |
| 75 | hpv vulvar cancer | 200 | Other |
| 76 | michael douglas hpv throat cancer | 200 | Other |
| 77 | cervical cancer caused by hpv | 200 | Other |
| 78 | cervical cancer without hpv | 200 | Other |
| 79 | hpv cancer men | 200 | Other |
| 80 | is hpv the only cause of cervical cancer | 200 | Fact |
| 81 | what cancer does hpv cause | 200 | Fact |
| 82 | hpv head and neck cancer symptoms | 200 | Other |
| 83 | cancer caused by hpv | 200 | Other |
| 84 | hpv vaccine cervical cancer | 200 | Other |
| 85 | chances of cancer from hpv | 200 | Other |
| 86 | hpv cancer types | 200 | Other |
| 87 | does hpv cause cancer in men | 200 | Fact |
| 88 | hpv colon cancer | 200 | Other |
| 89 | hpv vaccine causes cancer | 150 | Other |
| 90 | signs of cervical cancer from hpv | 150 | Other |
| 91 | does hpv cause ovarian cancer | 150 | Fact |
| 92 | what type of hpv causes cancer | 150 | Fact |
| 93 | if i have hpv will i get cancer | 150 | Fact |
| 94 | stages of hpv throat cancer | 150 | Other |
| 95 | is hpv cervical cancer | 150 | Fact |
| 96 | can hpv cause prostate cancer | 150 | Fact |
| 97 | hpv vaccine cancer prevention | 150 | Other |
| 98 | does hpv mrna e6 e7 detected mean cancer | 150 | Fact |
| 99 | hpv and prostate cancer | 150 | Other |
| 100 | hpv and ovarian cancer | 150 | Other |
| 101 | stage 4 hpv throat cancer survival rate | 150 | Other |
| 102 | hpv positive oropharyngeal cancer | 100 | Other |
| 103 | what kind of cancer does hpv cause in males | 100 | Fact |
| 104 | hpv soft palate cancer | 100 | Other |
| 105 | hpv-negative cervical cancer | 100 | Other |
| 106 | can hpv cause breast cancer | 100 | Fact |
| 107 | hpv esophageal cancer | 100 | Other |
| 108 | cervical cancer hpv treatment | 100 | Other |
| 109 | hpv skin cancer | 100 | Other |
| 110 | cervical cancer not caused by hpv | 100 | Other |
| 111 | hpv rectal cancer | 100 | Other |
| 112 | hpv vaccine causes ovarian cancer | 100 | Other |
| 113 | how fast can hpv cause cancer | 100 | Value |
| 114 | does hpv always cause cancer | 100 | Value |
| 115 | is cervical cancer only caused by hpv | 100 | Fact |
| 116 | hpv what does throat cancer look like | 100 | Fact |
| 117 | can hpv cause colon cancer | 100 | Fact |
| 118 | hpv and colon cancer | 100 | Other |
| 119 | mouth hpv throat cancer | 100 | Other |
| 120 | cervical cancer and hpv | 100 | Other |
| 121 | non hpv cervical cancer | 100 | Other |
| 122 | early stage hpv tonsil cancer | 100 | Other |
| 123 | hpv anus cancer | 100 | Other |
| 124 | does persistent hpv always cause cancer | 100 | Fact |
| 125 | what kind of cancer does hpv cause | 100 | Fact |
| 126 | does hpv cause prostate cancer | 90 | Fact |
| 127 | ovarian cancer hpv | 90 | Other |
| 128 | hpv men cancer | 90 | Other |
| 129 | is all cervical cancer caused by hpv | 90 | Fact |
| 130 | symptoms of hpv cancer | 90 | Other |
| 131 | is cervical cancer always caused by hpv | 90 | Fact |
| 132 | hpv lung cancer | 90 | Other |
| 133 | hpv cervical cancer treatment | 90 | Other |
| 134 | hpv head and neck cancer survival rates | 90 | Other |
| 135 | hpv and breast cancer | 90 | Other |
| 136 | hpv 16 cancer | 90 | Other |
| 137 | does hpv vaccine cause cancer | 80 | Fact |
| 138 | hpv and herpes increase the risk of which type of cancer? | 80 | Fact |
| 139 | hpv prostate cancer | 80 | Other |
| 140 | hpv uterine cancer | 80 | Other |
| 141 | do hpv warts cause cancer | 80 | Fact |
| 142 | hpv mrna e6 e7 mean i have cancer | 80 | Fact |
| 143 | signs of throat cancer hpv | 80 | Other |
| 144 | signs of throat cancer from hpv | 80 | Other |
| 145 | how often does hpv cause cancer | 80 | Fact |
| 146 | joey feek cervical cancer hpv | 80 | Other |
| 147 | hpv testicular cancer | 80 | Other |
| 148 | how does hpv cause cancer mechanism | 70 | Fact |
| 149 | can hpv cause cervical cancer | 70 | Fact |
| 150 | can hpv cause uterine cancer | 70 | Fact |
| 151 | hpv and head and neck cancer | 70 | Other |
| 152 | does hpv cause colon cancer | 70 | Fact |
| 153 | what cancer does hpv cause in males | 70 | Fact |
| 154 | hpv stage 1 early throat cancer | 70 | Other |
| 155 | hpv cancer symptoms male | 70 | Other |
| 156 | hpv breast cancer | 70 | Other |
| 157 | if you have hpv can you cause throut cancer | 70 | Fact |
| 158 | throat cancer hpv symptoms | 60 | Other |
| 159 | hpv laryngeal cancer | 60 | Other |
| 160 | does hpv mean cancer | 60 | Fact |
| 161 | does hpv e6 e7 mean cancer | 60 | Fact |
| 162 | can hpv vaccine cause cancer | 60 | Fact |
| 163 | can hpv cause bladder cancer | 60 | Fact |
| 164 | does hpv cause uterine cancer | 60 | Fact |
| 165 | celebrity with throat cancer from hpv | 60 | Other |
| 166 | oral cancer caused by hpv | 60 | Other |
| 167 | can the hpv vaccine cause cancer | 60 | Fact |
| 168 | hpv oropharyngeal cancer staging | 60 | Other |
| 169 | the hpv infection can lead to which type of cancer? | 60 | Fact |
| 170 | hpv chances of cancer | 60 | Other |
| 171 | hpv vaccine and cancer | 60 | Other |
| 172 | laryngeal cancer hpv | 60 | Other |
| 173 | our sex habits our hpv cancer | 60 | Other |
| 174 | oral cancer hpv on gums | 60 | Other |
| 175 | can hpv cause anal cancer | 50 | Other |
| 176 | cancer from hpv | 50 | Other |
| 177 | hpv early stage tonsil cancer | 50 | Other |
| 178 | hpv vulvar cancer pictures | 50 | Other |
| 179 | what hpv causes cancer | 50 | Fact |
| 180 | hpv-negative cervical cancer symptoms | 50 | Other |
| 181 | hpv related throat cancer | 50 | Other |
| 182 | can hpv cause rectal cancer | 50 | Fact |
| 183 | does hpv cause breast cancer | 50 | Fact |
| 184 | colorectal cancer hpv | 50 | Other |
| 185 | hpv colorectal cancer | 50 | Other |
| 186 | hpv cervical cancer risk | 50 | Other |
| 187 | does hpv cause throat cancer | 50 | Other |
| 188 | hpv bladder cancer | 50 | Other |
| 189 | hpv male cancer | 50 | Other |
| 190 | cervical cancer no hpv | 50 | Other |
| 191 | hpv early stage hpv tonsil cancer | 50 | Other |
| 192 | hpv and uterine cancer | 50 | Other |
| 193 | hpv mrna e6/e7 mean i have cancer | 50 | Fact |
| 194 | hpv mrna e6/e7 detected means cancer | 50 | Fact |
| 195 | hpv cancer in mouth | 50 | Other |
| 196 | hpv endometrial cancer | 50 | Other |
| 197 | hpv lung cancer survival rate | 50 | Other |
| 198 | hpv tonsil cancer survival rate | 40 | Other |
| 199 | signs of hpv cancer in females | 40 | Other |
| 200 | hpv throat cancer michael douglas | 40 | Other |
| 201 | rectal cancer and hpv | 40 | Other |
| 202 | our sex habits may hpv cancer | 40 | Other |
| 203 | hpv throat cancer images | 40 | Other |
| 204 | hpv throat cancer stories | 40 | Other |
| 205 | hpv and esophageal cancer | 40 | Other |
| 206 | hpv and bladder cancer | 40 | Other |
| 207 | how long does it take for hpv to turn into cancer | 40 | Value |
| 208 | hpv vs cervical cancer | 40 | Other |
| 209 | hpv negative cervical cancer symptoms | 40 | Other |
| 210 | our may affect our hpv cancer | 40 | Other |
| 211 | how our may our hpv cancer | 40 | Other |
| 212 | can hpv cause testicular cancer | 40 | Fact |
| 213 | percent of cervical cancer caused by hpv | 40 | Fact |
| 214 | hpv and ovarian cancer risk | 40 | Other |
| 215 | hpv oropharyngeal cancer treatment | 40 | Other |
| 216 | hpv head and neck cancer treatment | 40 | Other |
| 217 | can hpv lead to cancer in males | 40 | Fact |
| 218 | throat cancer symptoms hpv | 40 | Other |
| 219 | signs of hpv cancer in males | 40 | Other |
| 220 | cancer hpv symptoms | 40 | Other |
| 221 | early stage hpv throat cancer | 40 | Other |
| 222 | cervical cancer hpv negative | 40 | Other |
| 223 | cervical cancer causes other than hpv | 40 | Other |
| 224 | hpv symptoms cancer | 40 | Other |
| 225 | hpv cancer in females | 40 | Other |
| 226 | symptoms of cervical cancer from hpv | 40 | Other |
| 227 | hpv cervical cancer stages | 40 | Other |
| 228 | hpv early stage hpv tonsil cancer pictures | 40 | Other |
| 229 | if a woman tests positive for hpv, she may be at increased risk for this form of cancer. | 40 | Fact |
| 230 | hpv virus cancer | 40 | Other |
| 231 | hpv throat cancer recurrence rate | 40 | Other |
| 232 | is cervical cancer the only cancer caused by hpv | 40 | Fact |
| 233 | chance of cervical cancer with hpv | 40 | Other |
| 234 | stage 1 hpv throat cancer | 40 | Other |
| 235 | stages of hpv cervical cancer | 40 | Other |
| 236 | hpv and cancer in males | 40 | Other |
| 237 | how do you get cervical cancer without hpv | 40 | Fact |
| 238 | how do you get hpv throat cancer | 40 | Fact |
| 239 | hpv cancer survival rate | 40 | Other |
| 240 | does hpv cause endometrial cancer | 40 | Fact |
| 241 | hpv cause cancer | 40 | Other |
| 242 | does hpv mean you have cancer | 40 | Fact |
| 243 | is cervical cancer hpv | 40 | Fact |
| 244 | can hpv cause endometrial cancer | 40 | Fact |
| 245 | hpv pre cancer | 40 | Other |
| 246 | esophageal cancer hpv | 40 | Other |
| 247 | uterine cancer hpv | 40 | Other |
| 248 | can guys get cancer from hpv | 40 | Fact |
| 249 | colon cancer hpv | 30 | Other |
| 250 | male hpv cancer | 30 | Other |
| 251 | hpv mrna e6 e7 detected means cancer | 30 | Fact |
| 252 | throat cancer and hpv | 30 | Other |
| 253 | signs of oral cancer from hpv | 30 | Other |
| 254 | hpv vaccination and the risk of invasive cervical cancer | 30 | Other |
| 255 | stage 2 hpv throat cancer survival rate | 30 | Other |
| 256 | early stage hpv cervical cancer symptoms | 30 | Other |
| 257 | can you get cervical cancer without having hpv | 30 | Fact |
| 258 | does hpv increase risk of cervical cancer | 30 | Fact |
| 259 | do men get cancer from hpv | 30 | Fact |
| 260 | hpv tonsil cancer stories | 30 | Other |
| 261 | hpv cause prostate cancer | 30 | Other |
| 262 | hpv cancer rate | 30 | Other |
| 263 | did stanley tucci have hpv cancer | 30 | Fact |
| 264 | causes of uterine cancer hpv | 30 | Other |
| 265 | can hpv cause esophageal cancer | 30 | Fact |
| 266 | does hpv cause rectal cancer | 30 | Fact |
| 267 | how to prevent cervical cancer when you have hpv | 30 | Fact |
| 268 | does hpv vaccine prevent cancer | 30 | Fact |
| 269 | what type of cancer does hpv cause | 30 | Fact |
| 270 | which hpv causes cancer | 30 | Fact |
| 271 | chances of getting cervical cancer with hpv | 30 | Other |
| 272 | hpv-positive oropharyngeal cancer staging | 30 | Other |
| 273 | can i get cervical cancer without hpv | 30 | Fact |
| 274 | hpv cause colon cancer | 30 | Other |
| 275 | chances of cervical cancer with negative hpv | 30 | Other |
| 276 | hpv cause cancer in male | 30 | Other |
| 277 | what strains of hpv cause cancer | 30 | Fact |
| 278 | hpv can cause cervical cancer | 30 | Other |
| 279 | cancer from hpv in males | 30 | Other |
| 280 | in women, what test can detect early-stage hpv-caused cervical cancer | 30 | Fact |
| 281 | chances of getting cancer from hpv | 30 | Other |
| 282 | hpv cancer in tonsils | 30 | Other |
| 283 | rectal cancer hpv | 30 | Other |
| 284 | hpv causes esophageal cancer | 30 | Other |
| 285 | hpv and rectal cancer | 30 | Other |
| 286 | can hpv cause lung cancer | 30 | Fact |
| 287 | ovarian cancer caused by hpv | 30 | Other |
| 288 | male throat cancer hpv | 30 | Other |
| 289 | can you die from hpv cervical cancer | 30 | Fact |
| 290 | penile cancer from hpv | 30 | Other |
| 291 | esophageal cancer and hpv | 30 | Other |
| 292 | what percentage of persistent high risk hpv turns to cancer | 30 | Fact |
| 293 | hpv cervical cancer survival rate | 30 | Other |
| 294 | does hpv vaccine prevent throat cancer | 30 | Fact |
| 295 | hpv does not cause cancer | 30 | Other |
| 296 | hpv cause ovarian cancer | 30 | Other |
| 297 | hpv and lung cancer | 30 | Other |
| 298 | signs of cervical cancer hpv | 30 | Other |
| 299 | can hpv cause vulvar cancer | 30 | Fact |
| 300 | symptoms of throat cancer caused by hpv | 30 | Other |
| 301 | hpv oral cancer men | 30 | Other |
| 302 | hpv cancer signs | 30 | Other |
| 303 | what type of cancer does hpv cause in males | 30 | Fact |
| 304 | cervical cancer hpv positive | 30 | Other |
| 305 | what percentage of high-risk hpv turns to cancer uk | 30 | Fact |
| 306 | stanley tucci hpv cancer | 30 | Other |
| 307 | is ovarian cancer caused by hpv | 30 | Fact |
| 308 | hpv and colorectal cancer | 30 | Other |
| 309 | first stage oral cancer hpv in mouth | 30 | Other |
| 310 | cervical cancer negative hpv | 30 | Other |
| 311 | e6 and e7 hpv proteins in cervical cancer | 30 | Other |
| 312 | hpv eye cancer | 30 | Other |
| 313 | p16 hpv head and neck cancer | 20 | Other |
| 314 | head and neck cancer caused by hpv | 20 | Other |
| 315 | hpv initiates cancer development through increased expression of | 20 | Other |
| 316 | hpv head cancer | 20 | Other |
| 317 | hpv vaccine ovarian cancer | 20 | Other |
| 318 | hpv strain that causes cervical cancer | 20 | Other |
| 319 | throat cancer hpv bumps on tongue | 20 | Other |
| 320 | does having hpv mean you have cancer | 20 | Fact |
| 321 | sex habits affect our hpv cancer | 20 | Other |
| 322 | hpv incubation period cervical cancer | 20 | Other |
| 323 | hpv tonsil cancer treatment | 20 | Other |
| 324 | how habits affect our hpv cancer | 20 | Fact |
| 325 | hpv cancer boys | 20 | Other |
| 326 | hpv 45 cervical cancer | 20 | Other |
| 327 | what percent of cervical cancer is caused by hpv | 20 | Fact |
| 328 | what does hpv throat cancer look like | 20 | Fact |
| 329 | esophageal cancer causes hpv | 20 | Other |
| 330 | cervical cancer vs hpv | 20 | Other |
| 331 | does hpv cause testicular cancer | 20 | Fact |
| 332 | hpv virus causes throat cancer | 20 | Other |
| 333 | cervical cancer early stage hpv warts | 20 | Other |
| 334 | hpv throat cancer woman | 20 | Other |
| 335 | hpv causing cancer | 20 | Other |
| 336 | hpv vaccine causes cervical cancer | 20 | Other |
| 337 | lung cancer hpv | 20 | Other |
| 338 | hpv cancer in males | 20 | Other |
| 339 | cancer hpv bumps on cervix | 20 | Other |
| 340 | hpv viruses that cause cervical cancer | 20 | Other |
| 341 | what is hpv cervical cancer | 20 | Fact |
| 342 | how long before hpv turns into cancer | 20 | Value |
| 343 | is hpv the only way to get cervical cancer | 20 | Fact |
| 344 | hpv causes cancer in males | 20 | Other |
| 345 | hpv p16 throat cancer | 20 | Other |
| 346 | does hpv cause cancer in males | 20 | Other |
| 347 | throat cancer hpv prognosis | 20 | Other |
| 348 | triple negative breast cancer and hpv | 20 | Other |
| 349 | symptoms of hpv throat cancer | 20 | Other |
| 350 | hpv increases the risk of which type of cancer | 20 | Other |
| 351 | can you get oral cancer from hpv | 20 | Fact |
| 352 | which hpv strains cause cancer | 20 | Fact |
| 353 | our sex habits affect hpv cancer | 20 | Other |
| 354 | ovarian cancer and hpv | 20 | Other |
| 355 | if a woman tests positive for hpv, she may be at increased risk for what form of cancer? | 20 | Fact |
| 356 | hpv oral cancer survival rate | 20 | Other |
| 357 | cervical cancer hpv statistics | 20 | Other |
| 358 | can u get cervical cancer without hpv | 20 | Fact |
| 359 | prostate cancer and hpv | 20 | Other |
| 360 | hpv and laryngeal cancer | 20 | Other |
| 361 | hpv head neck cancer | 20 | Other |
| 362 | hpv ovarian cancer symptoms | 20 | Other |
| 363 | can males get cancer from hpv | 20 | Fact |
| 364 | what kind of cancer can hpv cause | 20 | Fact |
| 365 | hpv cancer back of throat | 20 | Other |
| 366 | anal cancer from hpv | 20 | Other |
| 367 | the most common type of cancer caused by hpv is | 20 | Fact |
| 368 | can hpv cause kidney cancer | 20 | Fact |
| 369 | can a male get cancer from hpv | 20 | Fact |
| 370 | throat cancer hpv bumps on back of tongue | 20 | Other |
| 371 | does cervical cancer mean you have hpv | 20 | Fact |
| 372 | how often does hpv throat cancer return | 20 | Value |
| 373 | our affect our hpv cancer risk | 20 | Other |
| 374 | hpv what does tongue cancer look like | 20 | Other |
| 375 | can guys get hpv cancer | 20 | Fact |
| 376 | can hpv lead to cervical cancer | 20 | Fact |
| 377 | hpv throat cancer cure | 20 | Other |
| 378 | hpv and cervical cancer symptoms | 20 | Other |
| 379 | oral cancer hpv | 20 | Other |
| 380 | throat cancer hpv treatment | 20 | Other |
| 381 | prostate cancer hpv | 20 | Other |
| 382 | pre cancer hpv | 20 | Other |
| 383 | hpv cancer mechanism | 20 | Other |
| 384 | our sex may affect hpv cancer | 20 | Other |
| 385 | did hpv caused michael douglas throat cancer | 20 | Fact |
| 386 | hpv-negative cervical cancer prognosis | 20 | Other |
| 387 | hpv cancer in throat | 20 | Other |
| 388 | skin cancer hpv black spots | 20 | Other |
| 389 | how may affect hpv cancer risk | 20 | Fact |
| 390 | is cervical cancer caused by hpv | 20 | Fact |
| 391 | hpv vaccine causing cancer | 20 | Other |
| 392 | hpv cancer symptoms in women | 20 | Other |
| 393 | is hpv throat cancer curable | 20 | Fact |
| 394 | hpv early throat cancer | 20 | Other |
| 395 | can i have cervical cancer without hpv | 20 | Fact |
| 396 | how long after hpv cervical cancer | 20 | Fact |
| 397 | is hpv and cervical cancer the same thing | 20 | Fact |
| 398 | tonsil cancer hpv | 20 | Other |
| 399 | hpv and cancer in men | 20 | Other |
| 400 | hpv esophageal cancer symptoms | 20 | Other |
| 401 | is hpv the same as cervical cancer | 20 | Fact |
| 402 | what percentage of hpv turns into cancer | 20 | Other |
| 403 | celebrities with hpv cancer | 20 | Other |
| 404 | tonsil cancer survival rate hpv | 20 | Other |
| 405 | can you still get cervical cancer after hpv vaccine | 20 | Fact |
| 406 | i have hpv 16 will i get cancer | 20 | Fact |
| 407 | cervical cancer causes not hpv | 20 | Other |
| 408 | what kind of cancer can hpv cause in males | 20 | Fact |
| 409 | does hpv cause bladder cancer | 20 | Fact |
| 410 | can you get ovarian cancer from hpv | 20 | Fact |
| 411 | symptoms of throat cancer from hpv virus | 20 | Other |
| 412 | how does hpv cause cervical cancer | 20 | Fact |
| 413 | oral hpv cancer | 20 | Other |
| 414 | does everyone with cervical cancer have hpv | 20 | Fact |
| 415 | can you get throat cancer from hpv | 20 | Fact |
| 416 | does the hpv vaccine prevent cancer | 20 | Fact |
| 417 | how our sex affect hpv cancer | 20 | Fact |
| 418 | hpv brain cancer | 20 | Other |
| 419 | hpv genotypes that cause cancer | 20 | Other |
| 420 | does the hpv vaccine cause cancer | 20 | Fact |
| 421 | can a man get cancer from hpv | 20 | Fact |
| 422 | hpv that causes cervical cancer | 20 | Other |
| 423 | can hpv cause brain cancer | 20 | Fact |
| 424 | men hpv cancer | 20 | Other |
| 425 | hpv 16 and 18 oral cancer | 20 | Other |
| 426 | can hpv vaccine prevent cancer | 20 | Fact |
| 427 | how does hpv increase the risk of cervical cancer | 20 | Fact |
| 428 | throat cancer caused by hpv | 20 | Other |
| 429 | hpv and cancer risk | 20 | Other |
| 430 | ovarian cancer from hpv | 20 | Other |
| 431 | how long does throat cancer take to develop from hpv | 20 | Fact |
| 432 | strains of hpv that cause cervical cancer | 20 | Other |
| 433 | is hpv linked to cervical cancer | 20 | Fact |
| 434 | which genes of hpv are most important in causing cancer | 20 | Fact |
| 435 | hpv and throat cancer in males | 20 | Other |
| 436 | hpv mouth cancer pictures | 20 | Other |
| 437 | early stage hpv penile cancer pictures | 20 | Other |
| 438 | what kind of cancer does hpv cause in men | 20 | Other |
| 439 | does hpv cause esophageal cancer | 20 | Fact |
| 440 | how to prevent cervical cancer with hpv | 20 | Fact |
| 441 | celebrities with hpv throat cancer | 20 | Other |
| 442 | hpv 16 and 18 cancer | 20 | Other |
| 443 | causes of cervical cancer besides hpv | 20 | Other |
| 444 | hpv pre cancer treatment | 20 | Other |
| 445 | strain of hpv that causes cervical cancer | 20 | Other |
| 446 | is hpv a risk factor for ovarian cancer | 20 | Fact |
| 447 | cervical cancer but no hpv | 20 | Other |
| 448 | how may our hpv cancer risk | 20 | Fact |
| 449 | can hpv cause liver cancer | 20 | Fact |
| 450 | immunotherapy for hpv throat cancer | 10 | Other |
| 451 | mechanism of hpv causing cancer | 10 | Other |
| 452 | cdc hpv throat cancer | 10 | Other |
| 453 | head and neck cancer from hpv | 10 | Other |
| 454 | our sex affect our hpv cancer | 10 | Other |
| 455 | can you die from hpv cancer | 10 | Fact |
| 456 | can hpv vaccine cause cervical cancer | 10 | Fact |
| 457 | hpv 16 oropharyngeal cancer | 10 | Other |
| 458 | can cervical cancer happen without hpv | 10 | Fact |
| 459 | hpv cause throat cancer | 10 | Other |
| 460 | how our sex our hpv cancer | 10 | Other |
| 461 | how sex affect our hpv cancer | 10 | Other |
| 462 | treatment for cervical cancer caused by hpv | 10 | Other |
| 463 | how common is hpv cancer | 10 | Fact |
| 464 | throat cancer screening hpv | 10 | Other |
| 465 | what are the symptoms of hpv cervical cancer | 10 | Fact |
| 466 | is cervical cancer always from hpv | 10 | Fact |
| 467 | hpv throat cancer photos | 10 | Other |
| 468 | how habits may our hpv cancer | 10 | Fact |
| 469 | the hpv infection can lead to which type of cancer | 10 | Fact |
| 470 | throat cancer and hpv virus | 10 | Other |
| 471 | hpv penile cancer images | 10 | Other |
| 472 | oral cancer hpv prognosis | 10 | Other |
| 473 | hpv vaccine cause cancer | 10 | Other |
| 474 | hpv is known to cause what type of cancer? | 10 | Fact |
| 475 | what are the chances of getting cancer from hpv | 10 | Fact |
| 476 | hpv and cancer in females | 10 | Other |
| 477 | can hpv warts cause cancer | 10 | Other |
| 478 | oral cancer hpv bumps on back of tongue | 10 | Other |
| 479 | hpv early stage white spots throat cancer | 10 | Other |
| 480 | can you live with hpv and not get cancer | 10 | Fact |
| 481 | hpv cancer stages | 10 | Other |
| 482 | hpv virus cancer symptoms | 10 | Other |
| 483 | how does hpv turn into cervical cancer | 10 | Fact |
| 484 | which strains of hpv cause cancer | 10 | Fact |
| 485 | is cervical cancer and hpv the same thing | 10 | Fact |
| 486 | what are signs of hpv cancer | 10 | Fact |
| 487 | hpv-8 cancer | 10 | Other |
| 488 | early stage hpv tongue cancer | 10 | Other |
| 489 | hpv pre cervical cancer | 10 | Other |
| 490 | natural remedies for hpv and cancer | 10 | Other |
| 491 | throat cancer hpv men | 10 | Other |
| 492 | how do you get throat cancer from hpv | 10 | Fact |
| 493 | hpv & cervical cancer | 10 | Other |
| 494 | does low risk hpv cause cancer | 10 | Fact |
| 495 | how to stop hpv from turning into cancer | 10 | Fact |
| 496 | signs and symptoms of hpv cervical cancer | 10 | Other |
| 497 | early stage hpv oropharyngeal cancer | 10 | Other |
| 498 | hpv and brain cancer | 10 | Other |
| 499 | hpv-negative cancer | 10 | Other |
| 500 | images of hpv throat cancer | 10 | Other |
| 501 | it is recommended that girls get an hpv/cervical cancer vaccine at what age? | 10 | Fact |
| 502 | hpv and cancer symptoms | 10 | Other |
| 503 | can hpv virus cause throat cancer | 10 | Fact |
| 504 | cancer from hpv symptoms | 10 | Other |
| 505 | hpv vaccine cancer lawsuit | 10 | Other |
| 506 | hpv vaccine for cancer | 10 | Other |
| 507 | non hpv cervical cancer symptoms | 10 | Other |
| 508 | is all cervical cancer hpv | 10 | Fact |
| 509 | hpv oral cancer images | 10 | Other |
| 510 | what percentage of cervical cancer is caused by hpv | 10 | Fact |
| 511 | cobblestone throat cancer hpv bumps on back of tongue | 10 | Other |
| 512 | hpv cause of throat cancer | 10 | Other |
| 513 | hpv and oral cancer in males | 10 | Other |
| 514 | does hpv vaccine protect against throat cancer | 10 | Fact |
| 515 | sex habits may affect hpv cancer | 10 | Other |
| 516 | hpv type 16 throat cancer | 10 | Other |
| 517 | hpv cirvical cancer | 10 | Other |
| 518 | if you have cervical cancer do you have hpv | 10 | Fact |
| 519 | throat cancer hpv bumps on uvula | 10 | Other |
| 520 | how many types of hpv cause cervical cancer | 10 | Fact |
| 521 | symptoms of hpv cervical cancer | 10 | Other |
| 522 | habits may affect hpv cancer risk | 10 | Other |
| 523 | hpv nasal cancer symptoms | 10 | Fact |
| 524 | chance of getting cervical cancer from hpv | 10 | Fact |
| 525 | anal cancer and hpv | 10 | Other |
| 526 | hpv penile cancer lump | 10 | Other |
| 527 | hpv cancer on tongue | 10 | Other |
| 528 | hpv e cancer | 10 | Other |
| 529 | can hpv cause thyroid cancer | 10 | Fact |
| 530 | can hpv give men cancer | 10 | Fact |
| 531 | do all strains of hpv cause cancer | 10 | Fact |
| 532 | is prostate cancer caused by hpv | 10 | Fact |
| 533 | michael douglas cancer from hpv | 10 | Other |
| 534 | how long does hpv take to cause cancer | 10 | Fact |
| 535 | does hpv cause thyroid cancer | 10 | Fact |
| 536 | hpv associated head and neck cancer | 10 | Other |
| 537 | does hpv cause anal cancer | 10 | Fact |
| 538 | hpv 58 cervical cancer | 10 | Other |
| 539 | how our sex habits hpv cancer | 10 | Fact |
| 540 | cancer in males from hpv | 10 | Other |
| 541 | hpv lung cancer treatment | 10 | Other |
| 542 | cervical cancer from hpv | 10 | Other |
| 543 | how does the hpv vaccine prevent cancer | 10 | Fact |
| 544 | hpv in cancer | 10 | Other |
| 545 | can you still get cervical cancer without hpv | 10 | Fact |
| 546 | is hpv a cancer | 10 | Fact |
| 547 | how many cases of cervical cancer are caused by hpv | 10 | Fact |
| 548 | hpv cervical cancer signs | 10 | Other |
| 549 | hpv cancer of the throat | 10 | Other |
| 550 | high risk hpv oral cancer | 10 | Other |
| 551 | does hpv e6/e7 mean cancer | 10 | Fact |
| 552 | what are the symptoms of throat cancer caused by hpv | 10 | Fact |
| 553 | hpv oral cancer pictures | 10 | Other |
| 554 | cancer oropharyngé hpv | 10 | Other |
| 555 | hpv types that cause cervical cancer | 10 | Other |
| 556 | oropharyngeal cancer symptoms hpv | 10 | Other |
| 557 | how sex habits our hpv cancer | 10 | Fact |
| 558 | some types of hpv have been linked to cervical cancer in women | 10 | Other |
| 559 | can hpv lead to prostate cancer | 10 | Fact |
| 560 | how our habits affect hpv cancer | 10 | Fact |
| 561 | hpv throat cancer statistics | 10 | Other |
| 562 | hpv & throat cancer | 10 | Other |
| 563 | throat hpv cancer symptoms | 10 | Other |
| 564 | hpv tonsil hpv early throat cancer | 10 | Other |
| 565 | symptoms of penile cancer caused by hpv | 10 | Other |
| 566 | oral cancer hpv in mouth | 10 | Other |
| 567 | hpv head and neck cancer diagnosis | 10 | Other |
| 568 | chances of hpv turning into cancer | 10 | Other |
| 569 | symptoms cervical cancer caused hpv | 10 | Other |
| 570 | hpv base of tongue cancer | 10 | Other |
| 571 | relationship between hpv and cervical cancer | 10 | Other |
| 572 | does the strain of hpv that causes warts cause cancer | 10 | Fact |
| 573 | our habits affect our hpv cancer | 10 | Other |
| 574 | hpv to cancer how long | 10 | Other |
| 575 | our sex may our hpv cancer | 10 | Other |
| 576 | hpv vaccine and cervical cancer prevention | 10 | Other |
| 577 | statistics on hpv and cervical cancer | 10 | Other |
| 578 | hpv liver cancer | 10 | Other |
| 579 | what percentage of persistent high-risk hpv turns to cancer | 10 | Fact |
| 580 | hpv cause breast cancer | 10 | Other |
| 581 | is cervical cancer from hpv | 10 | Fact |
| 582 | what kind of cancer do males get from hpv | 10 | Fact |
| 583 | hpv vaccine linked to ovarian cancer | 10 | Other |
| 584 | risk of cervical cancer without hpv | 10 | Other |
| 585 | cervical cancer without hpv stories | 10 | Other |
| 586 | if you have hpv will you get cancer | 10 | Fact |
| 587 | hpv throat cancer in men | 10 | Other |
| 588 | is hpv cancer sexually transmitted | 10 | Fact |
| 589 | what does hpv cancer look like | 10 | Fact |
| 590 | throat cancer hpv 16 | 10 | Other |
| 591 | tongue cancer causes hpv | 10 | Other |
| 592 | uterus cancer hpv | 10 | Other |
| 593 | i have hpv will i get cervical cancer | 10 | Value |
| 594 | cervical cancer causes hpv | 10 | Other |
| 595 | can you develop cervical cancer without hpv | 10 | Fact |
| 596 | role of hpv in the development of colorectal cancer | 10 | Other |
| 597 | strains of hpv that cause cancer | 10 | Other |
| 598 | hpv tongue cancer pictures | 10 | Other |
| 599 | if you don't have hpv can you get cervical cancer | 10 | Fact |
| 600 | oral cancer from hpv | 10 | Other |
| 601 | chances of getting cervical cancer from hpv | 10 | Other |
| 602 | tongue cancer hpv | 10 | Other |
| 603 | hpv is known to cause what type of cancer | 10 | Fact |
| 604 | when does hpv become cancer | 10 | Fact |
| 605 | hpv and nasopharyngeal cancer | 10 | Other |
| 606 | hpv can cause what kind of cancer | 10 | Fact |
| 607 | can the hpv virus cause throat cancer | 10 | Fact |
| 608 | pictures of oral cancer caused by hpv | 10 | Other |
| 609 | oral sex hpv throat cancer | 10 | Other |
| 610 | how does hpv cause throat cancer | 10 | Fact |
| 611 | human papillomavirus hpv and cervical cancer | 10 | Other |
| 612 | symptoms of oral cancer caused by hpv | 10 | Other |
| 613 | pictures of tonsil cancer from hpv | 10 | Other |
| 614 | chances of cervical cancer with hpv | 10 | Other |
| 615 | hpv throat cancer cure rate | 10 | Other |
| 616 | what is the connection between hpv and cervical cancer | 10 | Fact |
| 617 | oropharyngeal cancer caused by hpv | 10 | Other |
| 618 | cervical cancer not from hpv | 10 | Other |
| 619 | hpv related oral cancer symptoms | 10 | Other |
| 620 | hpv greatly increases the risk of which cancer in women | 10 | Other |
| 621 | what cancer does hpv vaccine prevent | 10 | Fact |
| 622 | cervical cancer symptoms hpv | 10 | Other |
| 623 | how common is cervical cancer from hpv | 10 | Fact |
| 624 | survival rate of hpv throat cancer | 10 | Other |
| 625 | if hpv goes away can you still get cancer | 10 | Value |
| 626 | hpv cancer males | 10 | Other |
| 627 | can hpv cause vaginal cancer | 10 | Fact |
| 628 | hpv+ head and neck cancer | 10 | Other |
| 629 | can hpv lead to cancer | 10 | Fact |
| 630 | uterine cancer caused by hpv | 10 | Other |
| 631 | cdc hpv oral cancer | 10 | Other |
| 632 | hpv discharge hpv cervical cancer symptoms | 10 | Other |
| 633 | hpv cancer women | 10 | Other |
| 634 | signs of hpv cancer in throat | 10 | Other |
| 635 | does hpv increase risk of cancer | 10 | Fact |
| 636 | cervical cancer non hpv | 10 | Other |
| 637 | percentage of hpv causing cervical cancer | 10 | Other |
| 638 | does cervical cancer only come from hpv | 10 | Fact |
| 639 | hpv stages of cervical cancer | 10 | Other |
| 640 | how can you get cervical cancer without hpv | 10 | Fact |
| 641 | esophageal cancer and hpv virus | 10 | Other |
| 642 | throat cancer hpv in throat | 10 | Other |
| 643 | hpv high risk cervical cancer | 10 | Other |
| 644 | does hpv positive mean cancer | 10 | Fact |
| 645 | what are the symptoms of hpv oral cancer | 10 | Fact |
| 646 | hpv penile cancer survival rate | 10 | Other |
| 647 | what are the chances of getting throat cancer from hpv | 10 | Fact |
| 648 | does high risk hpv always cause cancer | 10 | Fact |
| 649 | symptoms of cervical cancer caused by hpv | 10 | Other |
| 650 | of hpv to cervical cancer | 10 | Other |
| 651 | what are the odds of hpv turning into cancer | 10 | Fact |
| 652 | men hpv throat cancer | 10 | Other |
| 653 | what types of cancer does hpv cause | 10 | Fact |
| 654 | hpv women cancer | 10 | Other |
| 655 | hpv shot causes cancer | 10 | Other |
| 656 | can hpv turn into cancer | 10 | Fact |
| 657 | stage 4 hpv cervical cancer | 10 | Other |
| 658 | types of cervical cancer not caused by hpv | 10 | Other |
| 659 | high risk hpv cancer | 10 | Other |
| 660 | what is hpv cancer cells | 10 | Fact |
| 661 | is rectal cancer caused by hpv | 10 | Fact |
| 662 | staging hpv oropharyngeal cancer | 10 | Other |
| 663 | oral cancer related to hpv | 10 | Other |
| 664 | hpv oral cancer screening | 10 | Other |
| 665 | hpv vaccine throat cancer | 10 | Other |
| 666 | hpv can cause what types of cancer | 10 | Fact |
| 667 | hpv in throat cancer | 10 | Other |
| 668 | how our sex may hpv cancer | 10 | Other |
| 669 | if hpv goes away can it still cause cancer | 10 | Other |
| 670 | can cervical cancer be caused by anything other than hpv | 10 | Fact |
| 671 | what type of cancer does hpv cause in men | 10 | Fact |
| 672 | hpv causing throat cancer | 10 | Other |
| 673 | hpv tonsil cancer symptoms | 10 | Other |
| 674 | what cancer can hpv cause | 10 | Fact |
| 675 | male hpv throat cancer symptoms | 10 | Other |
| 676 | hpv cause cervical cancer | 10 | Other |
| 677 | hpv virus cervical cancer symptoms | 10 | Other |
| 678 | of the more than 100 different strains of hpv, which are oncogenic (cancer-causing) | 10 | Fact |
| 679 | hpv and lung cancer connection | 10 | Other |
| 680 | how many hpv viruses cause cancer | 10 | Fact |
| 681 | stage 3 cervical cancer hpv | 10 | Other |
| 682 | plantar warts hpv cervical cancer | 10 | Other |
| 683 | signs of oral hpv cancer | 10 | Other |
| 684 | whats hpv cancer | 10 | Fact |
| 685 | how habits may affect hpv cancer | 10 | Fact |
| 686 | what causes hpv cervical cancer | 10 | Fact |
| 687 | can you get cervical cancer and not have hpv | 10 | Fact |
| 688 | hpv male cancer rates | 10 | Other |
| 689 | hpv cancer mouth | 10 | Other |
| 690 | male cancer from hpv | 10 | Other |
| 691 | is hpv cervical cancer contagious | 10 | Fact |
| 692 | marcia cross anal cancer hpv | 10 | Other |
| 693 | how does a man get hpv cancer | 10 | Fact |
| 694 | is hpv a form of cancer | 10 | Fact |
| 695 | hpv cancer in mouth symptoms | 10 | Other |
| 696 | what hpv strains cause cancer | 10 | Fact |
| 697 | high risk cervical cancer hpv | 10 | Other |
| 698 | hpv cancer male | 10 | Other |
| 699 | how do you get hpv cancer in throat | 10 | Other |
| 700 | how does infection with human papillomavirus virus (hpv) increase the risk of cervical cancer? | 10 | Fact |
| 701 | actor with hpv throat cancer | 10 | Other |
| 702 | american cancer society hpv vaccine | 10 | Other |
| 703 | oral hpv and cancer | 10 | Other |
| 704 | stage 1 cervical cancer hpv | 10 | Other |
| 705 | hpv early stage cervical cancer | 10 | Other |
| 706 | oropharyngeal cancer early hpv on tongue | 10 | Other |
| 707 | all cervical cancer caused by hpv | 10 | Other |
| 708 | hpv vaginal cancer | 10 | Other |
| 709 | how many strains of hpv cause cancer | 10 | Fact |
| 710 | is hpv associated with uterine cancer | 10 | Fact |
| 711 | can cervical cancer not be caused by hpv | 10 | Fact |
| 712 | cervical cancer with negative hpv | 10 | Other |
| 713 | pictures of throat cancer caused by hpv | 10 | Other |
| 714 | throat hpv cancer | 10 | Other |
| 715 | hpv neck cancer symptoms | 10 | Other |
| 716 | cervical cancer virus hpv | 10 | Other |
| 717 | no hpv cervical cancer | 10 | Other |
| 718 | hpv cancer for men | 10 | Other |
| 719 | hpv prevents cancer | 10 | Other |
| 720 | American cancer society hpv | 10 | Other |
| 721 | does the hpv vaccine cause ovarian cancer | 10 | Fact |
| 722 | hpv symptoms cervical cancer | 10 | Other |
| 723 | actor with throat cancer from hpv | 10 | Other |
| 724 | is hpv the leading cause of cervical cancer | 10 | Fact |
| 725 | types of cancer hpv causes | 10 | Other |
| 726 | hpv head and neck cancer recurrence | 10 | Other |
| 727 | hpv cervical cancer vaccine side effects | 10 | Other |
| 728 | what percent of high risk hpv turns to cancer | 10 | Fact |
| 729 | hpv vaccine caused cancer | 10 | Other |
| 730 | pictures of hpv oral cancer | 10 | Other |
| 731 | the most common type of cancer caused by hpv is: | 10 | Fact |
| 732 | hpv real tonsil cancer | 10 | Other |
| 733 | percent of hpv that leads to cancer | 10 | Other |
| 734 | does hpv increase risk of ovarian cancer | 10 | Other |
| 735 | tongue cancer caused by hpv | 10 | Other |
| 736 | what cancer is caused by hpv | 10 | Fact |
| 737 | how to prevent hpv cancer | 10 | Fact |
| 738 | pictures of hpv throat cancer | 10 | Other |
| 739 | hpv cervical cancer and pregnancy | 10 | Other |
| 740 | likelihood of cervical cancer from hpv | 10 | Fact |
| 741 | can hpv cause neck cancer | 10 | Fact |
| 742 | about hpv and cervical cancer | 10 | Other |
| 743 | which hpv cause throat cancer | 10 | Fact |
| 744 | hpv virus cancer of throat | 10 | Other |
| 745 | how does hpv cause cancer? | 10 | Fact |
| 746 | cancer hpv | 10 | Other |
| 747 | habits affect our hpv cancer risk | 10 | Other |
| 748 | can you have cervical cancer without having hpv | 10 | Fact |
| 749 | what percentage of hpv turns into cancer? | 10 | Fact |
| 750 | non-hpv cervical cancer | 10 | Other |
| 751 | cervical cancer not hpv related | 10 | Other |
| 752 | can you get prostate cancer from hpv | 10 | Fact |
| 753 | cancer in throat from hpv | 10 | Other |
| 754 | hpv oral cancer stages | 10 | Other |
| 755 | hpv in women cancer | 10 | Other |
| 756 | types of hpv that cause cancer | 10 | Other |
| 757 | chances of getting cancer from hpv 16 | 10 | Other |
| 758 | human papillomavirus hpv related oral cancer | 10 | Other |
| 759 | which hpv is associated with cervical cancer | 10 | Fact |
| 760 | types hpv cause cervical cancer | 10 | Other |
| 761 | treatment for cervical cancer from hpv | 10 | Other |
| 762 | hpv head and neck cancer incidence | 10 | Other |
| 763 | e6 e7 hpv cancer | 10 | Other |
| 764 | throat cancer hpv women | 10 | Other |
| 765 | hpv penis cancer | 10 | Other |
| 766 | hpv uterus cancer | 10 | Other |
| 767 | is hpv throat cancer rare | 10 | Fact |
| 768 | is there a cure for hpv cervical cancer | 10 | Fact |
| 769 | hpv infection early stage cervical cancer symptoms | 10 | Other |
| 770 | can hpv cause cancer in males | 10 | Fact |
| 771 | hpv stage 2 cervical cancer | 10 | Other |
| 772 | how long does hpv take to cause cervical cancer | 10 | Fact |
| 773 | hpv cancer tongue | 10 | Other |
| 774 | throat cancer hpv statistics | 10 | Other |
| 775 | hpv beginning oral cancer stages | 10 | Other |
| 776 | does hpv cause all cervical cancer | 10 | Fact |
| 777 | explain how the human papillomavirus hpv causes cervical cancer | 10 | Other |
| 778 | difference between hpv and cervical cancer | 10 | Other |
| 779 | is hpv linked to cancer | 10 | Fact |
| 780 | what strain of hpv causes cancer | 10 | Fact |
| 781 | can hpv cause pancreatic cancer | 10 | Fact |
| 782 | sex may affect our hpv cancer | 10 | Other |
| 783 | hpv after cervical cancer | 10 | Other |
| 784 | hpv causes cancer of the cervix | 10 | Other |
| 785 | symptoms of hpv cancer in males | 10 | Other |
| 786 | do you have to have hpv to get cervical cancer | 10 | Fact |
| 787 | hpv cancer cure rate | 10 | Other |
| 788 | what causes cervical cancer hpv | 10 | Fact |
| 789 | hpv vaccine head and neck cancer | 10 | Other |
| 790 | hpv throat cancer how long to develop | 10 | Fact |
| 791 | symptoms of throat cancer from hpv | 10 | Other |
| 792 | hpv and cancer | 10 | Other |
| 793 | chances of hpv causing cancer | 10 | Other |
| 794 | early stage hpv penile cancer | 10 | Other |
| 795 | what percent of hpv turns into cancer | 10 | Fact |
| 796 | hpv related to cervical cancer | 10 | Other |
| 797 | if you have hpv does that mean you have cancer | 10 | Fact |
| 798 | hpv mouth cancer symptoms | 10 | Other |
| 799 | how sex habits may hpv cancer | 10 | Other |
| 800 | esophageal cancer caused by hpv | 10 | Other |
| 801 | does hpv prevent cancer | 10 | Fact |
| 802 | how many types of the human papillomavirus (hpv) can cause cervical cancer? | 10 | Fact |
| 803 | cervical cancer hpv symptoms | 10 | Other |
| 804 | hpv vaccine and cervical cancer | 10 | Other |
| 805 | preventing cervical cancer with hpv | 10 | Other |
| 806 | hpv & cancer | 10 | Other |
| 807 | symptoms of hpv cancer in females | 10 | Other |
| 808 | what causes cervical cancer other than hpv | 10 | Fact |
| 809 | jim kelly cancer hpv | 10 | Other |
| 810 | symptoms of head and neck cancer caused by hpv | 10 | Other |
| 811 | cervical cancer hpv 16 | 10 | Other |
| 812 | can low risk hpv cause cancer | 10 | Fact |
| 813 | will hpv vaccination prevent cervical cancer | 10 | Policy |
| 814 | what hpv strains cause cervical cancer | 10 | Fact |
| 815 | can you get hpv throat cancer twice | 10 | Fact |
| 816 | national hpv and cervical cancer prevention resource center | 10 | Other |
| 817 | hpv head and neck cancer clinical trials | 10 | Other |
| 818 | chance of hpv turning into cancer | 10 | Other |
| 819 | oral hpv cancer pictures | 10 | Other |
| 820 | hpv cause cancer in men | 10 | Other |
| 821 | does having hpv mean i have cancer | 10 | Fact |
| 822 | immunotherapy hpv head and neck cancer | 10 | Other |
| 823 | hpv vaccine oropharyngeal cancer | 10 | Other |
| 824 | can the hpv vaccine prevent cancer | 10 | Fact |
| 825 | hpv throat cancer symptoms female | 10 | Other |
| 826 | new york times hpv oral cancer | 10 | Other |
| 827 | cervical cancer not hpv | 10 | Other |
| 828 | does hpv lead to cancer | 10 | Other |
| 829 | hpv rectal cancer symptoms | 10 | Other |
| 830 | hpv prevents what cancer | 10 | Other |
| 831 | hpv virus causing throat cancer | 10 | Other |
| 832 | laryngeal cancer and hpv | 10 | Other |
| 833 | our sex may hpv cancer risk | 10 | Other |
| 834 | odds of cervical cancer with hpv | 10 | Other |
| 835 | hpv tonsil cancer survivors | 10 | Other |
| 836 | prostate cancer caused by hpv | 10 | Other |
| 837 | what kind of cancer do boys get from hpv | 10 | Fact |
| 838 | connection between hpv and cervical cancer | 10 | Other |
| 839 | does positive hpv mean cancer | 10 | Fact |
| 840 | hpv oropharyngeal cancer pictures | 10 | Other |
| 841 | can u have cervical cancer without hpv | 10 | Fact |
| 842 | chances of cervical cancer without hpv | 10 | Other |
| 843 | hpv vaccine against cancer | 10 | Other |
| 844 | if i have hpv do i have cancer | 10 | Fact |
| 845 | high risk hpv cancer rate | 10 | Other |
| 846 | cervical cancer without hpv infection | 10 | Other |
| 847 | how many strains of hpv cause cervical cancer | 10 | Fact |
| 848 | what is hpv cancer symptoms | 10 | Fact |
| 849 | how long does it take hpv to turn into cancer | 10 | Fact |
| 850 | hpv labia minora cancer | 10 | Other |
| 851 | hpv vaccine cancer rates | 10 | Other |
| 852 | hpv 16 and oral cancer | 10 | Other |
| 853 | what is hpv throat cancer | 10 | Fact |
| 854 | hpv anus cancer symptoms | 10 | Fact |
| 855 | chances of getting oral cancer from hpv | 10 | Other |
| 856 | cervical cancer female hpv symptoms | 10 | Other |
| 857 | hpv penile cancer treatment | 10 | Other |
| 858 | can you only get cervical cancer from hpv | 10 | Fact |
| 859 | stages of hpv cancer | 10 | Other |
| 860 | hpv stage 1 cervical cancer real pictures | 10 | Other |
| 861 | types of cervical cancer caused by hpv | 10 | Fact |
| 862 | tongue hpv cancer | 10 | Other |
| 863 | hpv oral cancer signs and symptoms | 10 | Other |
| 864 | hpv in males throat cancer | 10 | Other |
| 865 | hpv warts cancer | 10 | Other |
| 866 | can you be hpv negative and have cervical cancer | 10 | Fact |
| 867 | can you get cervical cancer from hpv | 10 | Fact |
| 868 | does positive hpv test mean cancer | 10 | Fact |
| 869 | men hpv oral cancer | 10 | Other |
| 870 | treatment for hpv throat cancer | 10 | Other |
| 871 | can you get cancer from hpv | 10 | Fact |
| 872 | no hpv but cervical cancer | 10 | Other |
| 873 | hpv 18 oral cancer | 10 | Other |
| 874 | hpv throat cancer recurrence survival rate | 10 | Other |
| 875 | head cancer hpv | 10 | Other |
| 876 | stage 1 hpv throat cancer survival rate | 10 | Other |
| 877 | hpv virus throat cancer treatment | 10 | Other |
| 878 | hpv to cervical cancer | 10 | Other |
| 879 | breast cancer and hpv | 10 | Other |
| 880 | cancer caused by hpv in males | 10 | Other |
| 881 | negative hpv cervical cancer | 10 | Other |
| 882 | which type of hpv causes cervical cancer | 10 | Fact |
| 883 | relationship between cervical cancer and hpv | 10 | Other |
| 884 | oropharyngeal cancer mild hpv in throat | 10 | Other |
| 885 | what is the link between hpv and cervical cancer | 10 | Fact |
| 886 | hpv and cervical cancer risk | 10 | Other |
| 887 | hpv causes what kind of cancer | 10 | Other |
| 888 | relationship between hpv and cancer | 10 | Other |
| 889 | national cervical cancer and hpv coalition | 10 | Other |
| 890 | hpv virus and tongue cancer | 10 | Other |
| 891 | hpv cancer test | 10 | Other |
| 892 | if you have hpv do you have cancer | 10 | Fact |
| 893 | if i have hpv will i get cervical cancer | 10 | Value |
| 894 | hpv and endometrial cancer | 10 | Other |
| 895 | how to prevent hpv from turning into cancer | 10 | Value |
| 896 | is hpv cancer curable | 10 | Fact |
| 897 | how our affect our hpv cancer | 10 | Other |
| 898 | how can you prevent hpv from turning into cancer | 10 | Policy |
| 899 | hpv and oral cancer in men | 10 | Other |
| 900 | risk of cervical cancer with hpv | 10 | Other |
| 901 | hpv independent cervical cancer | 10 | Other |
| 902 | what type of cancer can hpv cause in males | 10 | Fact |
| 903 | tonsil cancer hpv prognosis | 10 | Other |
| 904 | hpv p16 positive cancer | 10 | Other |
| 905 | cervical cancer not related to hpv | 10 | Other |
| 906 | oral cancer hpv bumps on tongue | 10 | Other |
| 907 | cancer cells on cervix hpv | 10 | Other |
| 908 | can you have cervical cancer with negative hpv | 10 | Fact |
| 909 | progression of hpv to cervical cancer | 10 | Other |
| 910 | cdc hpv cancer | 10 | Other |
| 911 | how common is hpv cancer in males | 10 | Fact |
| 912 | symptoms of penile cancer from hpv | 10 | Other |
| 913 | hpv thyroid cancer | 10 | Other |
| 914 | hpv oral cancer women | 10 | Other |
| 915 | percent of hpv turns to cancer | 10 | Other |
| 916 | can boys get cancer from hpv | 10 | Fact |
| 917 | early stage hpv oral cancer | 10 | Other |
| 918 | hpv oral cancer risk | 10 | Other |
| 919 | does the hpv vaccine prevent throat cancer | 10 | Fact |
| 920 | hpv and oral cancer exploring the link | 10 | Other |
| 921 | what else can cause cervical cancer besides hpv | 10 | Fact |
| 922 | sintomas cancer na garganta hpv | 10 | Other |
| 923 | hpv tongue cancer prognosis | 10 | Other |
| 924 | hpv larynx cancer | 10 | Other |
| 925 | throat cancer related to hpv | 10 | Other |
| 926 | symptoms hpv cancer | 10 | Other |
| 927 | hpv and cancer rates | 10 | Other |
| 928 | thyroid cancer hpv | 10 | Other |
| 929 | how sex habits affect hpv cancer | 10 | Fact |
| 930 | will high risk hpv turn into cancer | 10 | Value |
| 931 | hpv cancer lesions | 10 | Other |
| 932 | treatment of hpv throat cancer | 10 | Other |
| 933 | squamous cell throat cancer hpv | 10 | Other |
| 934 | hpv causing cancer in males | 10 | Other |
| 935 | head cancer from hpv | 10 | Other |
| 936 | why does hpv cause throat cancer | 10 | Fact |
| 937 | how does infection with hpv lead to cervical cancer | 10 | Fact |
| 938 | signs of hpv throat cancer | 10 | Other |
| 939 | hpv strain that causes cancer | 10 | Other |
| 940 | hpv e cancer de garganta | 10 | Other |
| 941 | does hpv shot prevent cancer | 10 | Policy |
| 942 | how does hpv vaccine prevent cervical cancer | 10 | Fact |
| 943 | hpv virus that causes cervical cancer | 10 | Other |
| 944 | hpv cancer symptoms in females | 10 | Other |
| 945 | hpv can cause cervical cancer. | 10 | Other |
| 946 | how many types of hpv cause cancer | 10 | Other |
| 947 | hpv head and neck cancer stages | 10 | Other |
| 948 | oral cancer linked to hpv | 10 | Other |
| 949 | hpv throat cancer forum | 10 | Other |
| 950 | high risk hpv and cervical cancer | 10 | Other |
| 951 | is it possible to get cervical cancer without hpv | 10 | Fact |
| 952 | rectal cancer hpv virus | 10 | Other |
| 953 | does hpv vaccine prevent cancer in males | 10 | Fact |
| 954 | hpv and throat cancer in men | 10 | Other |
| 955 | hpv and throat cancer in men symptoms | 10 | Other |
| 956 | how likely is hpv to cause cancer | 10 | Fact |
| 957 | hpv cancer ribbon | 10 | Other |
| 958 | does all hpv cause cancer | 10 | Fact |
| 959 | hpv and cancer statistics | 10 | Other |
| 960 | does hpv cause lung cancer | 10 | Fact |
| 961 | gardasil cervical cancer hpv vaccine | 10 | Other |
| 962 | can you have hpv and not get cervical cancer | 10 | Fact |
| 963 | throat cancer hpv survival rate | 10 | Other |
| 964 | how often does hpv turn into cancer | 10 | Fact |
| 965 | if you clear hpv can you still get cancer | 10 | Fact |
| 966 | do you have to have hpv to have cervical cancer | 10 | Fact |
| 967 | you are the key to hpv cancer prevention | 10 | Other |
| 968 | mouth cancer hpv | 10 | Other |
| 969 | who ico information centre on hpv and cervical cancer | 10 | Other |
| 970 | how do u get hpv cancer | 10 | Fact |
| 971 | recurrence of hpv oropharyngeal cancer | 10 | Other |
| 972 | which hpv strains cause throat cancer | 10 | Fact |
| 973 | how to prevent cancer from hpv | 10 | Policy |
| 974 | hpv is responsible for which type of cancer | 10 | Fact |
| 975 | high-risk hpv can lead to: genital warts cervical cancer breast cancer heart attacks in men | 10 | Fact |
| 976 | can hpv lead to ovarian cancer | 10 | Fact |
| 977 | can i get cervical cancer without having hpv | 10 | Fact |
| 978 | does a positive hpv test mean cancer | 10 | Fact |
| 979 | hpv cancer risk | 10 | Other |
| 980 | is all cervical cancer from hpv | 10 | Fact |
| 981 | high risk hpv cervical cancer statistics | 10 | Other |
| 982 | how sex may our hpv cancer | 10 | Other |
| 983 | hpv and oral cancer symptoms | 10 | Other |
| 984 | can you get rectal cancer from hpv | 10 | Fact |
| 985 | what are the symptoms of hpv throat cancer | 10 | Fact |
| 986 | endometrial cancer caused by hpv | 10 | Other |
| 987 | what types of cancer can be caused by hpv | 10 | Fact |
| 988 | our sex habits hpv cancer risk | 10 | Other |
| 989 | cancer causado por hpv | <10 | Other |
| 990 | hpv 16 and 18 cause cervical cancer | <10 | Other |
| 991 | hpv vaccine and cervical cancer new jersey diane browm | <10 | Other |
| 992 | hpv doesn't cause cancer | <10 | Other |
| 993 | does high risk hpv mean cancer | <10 | Fact |
| 994 | hpv causes cervical cancer article 2017 | <10 | Other |
| 995 | hpv, polyomavirus infections likely minor bladder cancer contributors, study suggests | <10 | Other |
| 996 | hpv vaccine decreased cervical cancer | <10 | Other |
| 997 | clinical trials on hpv positive nasopharengeal cancer | <10 | Other |
| 998 | high risk cervical cancer hpv pap smear | <10 | Other |
| 999 | what kinds of cancer can hpv cause | <10 | Fact |
| 1000 | high-risk hpv types and head and neck cancer | <10 | Other |

hpv = human papillomavirus; cdc = Centers for Disease Control and Prevention; mrna = messenger ribonucleic acid; ico = Institute of Oncology

**Table 2.** Top search queries by oropharyngeal subsite

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rank | Top searches for ‘HPV throat cancer’ | | Top searches for ‘HPV tongue cancer’ | | Top searches for ‘HPV tonsil cancer’ | |
| Search phrase | Search volume | Search phrase | Search volume | Search phrase | Search volume |
| 1 | hpv throat cancer | 7200 | hpv tongue cancer | 2900 | hpv tonsil cancer | 1400 |
| 2 | hpv throat cancer symptoms | 1200 | throat cancer hpv bumps on tongue | 20 | hpv tonsil cancer pictures | 1000 |
| 3 | hpv throat cancer pictures | 900 | throat cancer hpv bumps on back of tongue | 20 | early stage hpv tonsil cancer pictures | 800 |
| 4 | hpv throat cancer survival rate | 900 | hpv what does tongue cancer look like | 20 | early stage hpv early stage tonsil cancer | 200 |
| 5 | stage 3 hpv throat cancer survival rate | 700 | oral cancer hpv bumps on back of tongue | 10 | early stage hpv tonsil cancer | 100 |
| 6 | hpv and throat cancer | 500 | early stage hpv tongue cancer | 10 | hpv early stage tonsil cancer | 50 |
| 7 | how fast does hpv throat cancer spread | 450 | cobblestone throat cancer hpv bumps on back of tongue | 10 | hpv early stage hpv tonsil cancer | 50 |
| 8 | hpv cancer throat | 400 | hpv cancer on tongue | 10 | hpv tonsil cancer survival rate | 40 |
| 9 | hpv causes throat cancer | 300 | hpv base of tongue cancer | 10 | hpv early stage hpv tonsil cancer pictures | 40 |
| 10 | throat cancer hpv | 300 | tongue cancer causes hpv | 10 | hpv tonsil cancer stories | 30 |
| 11 | can hpv cause throat cancer | 300 | hpv tongue cancer pictures | 10 | hpv tonsil cancer treatment | 20 |
| 12 | throat cancer from hpv | 250 | tongue cancer hpv | 10 | tonsil cancer hpv | 20 |
| 13 | hpv throat cancer treatment | 200 | oropharyngeal cancer early hpv on tongue | 10 | tonsil cancer survival rate hpv | 20 |
| 14 | michael douglas hpv throat cancer | 200 | tongue cancer caused by hpv | 10 | hpv tonsil hpv early throat cancer | 10 |
| 15 | stages of hpv throat cancer | 150 | hpv cancer tongue | 10 | pictures of tonsil cancer from hpv | 10 |
| 16 | stage 4 hpv throat cancer survival rate | 150 | tongue hpv cancer | 10 | hpv tonsil cancer symptoms | 10 |
| 17 | hpv what does throat cancer look like | 100 | hpv virus and tongue cancer | 10 | hpv real tonsil cancer | 10 |
| 18 | mouth hpv throat cancer | 100 | oral cancer hpv bumps on tongue | 10 | hpv tonsil cancer survivors | 10 |
| 19 | signs of throat cancer hpv | 80 | hpv tongue cancer prognosis | 10 | tonsil cancer hpv prognosis | 10 |
| 20 | signs of throat cancer from hpv | 80 | hpv+ base of tongue to sternocleidomastoid cancer | <10 | treatment of a tonsil cancer caused by hpv virus | <10 |

**Table 3.** Search queries about viral transmission for ‘HPV throat cancer,’ ‘HPV tongue cancer’ and ‘HPV tonsil cancer’

|  |  |  |
| --- | --- | --- |
| Rank | Search phrase | Search volume |
| 39 | how can a completely monogamous person be hpv positive and have base of tongue cancer | <10 |
| 65 | tongue cancer hpv sex | <10 |
| 86 | oral sex hpv throat cancer | 10 |
| 138 | if i have hpv will my husband get throat cancer | <10 |
| 165 | throat cancer hpv sex worker | <10 |
| 183 | does doing oral on a female with hpv give you throat cancer | <10 |
| 196 | can performing oral sex on woman with hpv give throat cancer | <10 |
| 215 | can you get throat cancer giving oral sex to some one with hpv | <10 |
| 310 | oral sex to a girl hpv cancer mouth throat | <10 |
| 321 | can a boy get throat cancer from going down on an hpv positive girl? | <10 |
| 322 | hpv cancer strains oral sex throat | <10 |
| 330 | how does hpv cause throat cancer because of oral sex | <10 |
| 333 | can a man get throat cancer if he has oral with a girl that has hpv | <10 |
| 346 | i have a cervical cancer strain of hpv can my partner get throat cancer from me | <10 |
| 378 | can you get throat cancer if you do oral on a woman who has hpv? | <10 |
| 427 | can you get throat cancer from oral sex if high risk hpv is transmitted | <10 |
| 428 | dr mercola/ throat cancer from oral sex on hpv partner | <10 |
| 453 | hpv throat cancer sex workers | <10 |
| 493 | can husband get hpv throat cancer performing cunning if him and wife monogamous | <10 |
| 522 | hpv 16 positive throat cancer oral sex | <10 |
| 542 | hpv virus sexually transmitted cancer throat | <10 |
| 585 | can you get throat cancer from eating a woman with hpv | <10 |
| 599 | can oral sex without hpv cause throat cancer | <10 |
| 623 | hpv oral sex and throat cancer | <10 |
| 637 | my wife got hpv cervical cancer will i get throat cancer | <10 |
| 640 | throat cancer hpv going down | <10 |
| 646 | throat cancer hpv sex worker | <10 |
| 754 | hpv throat cancer sucking dick | <10 |
| 755 | can a man get throat cancer from a woman with hpv? | <10 |
| 788 | can you have sex if you have hpv throat cancer | <10 |
| 805 | can a man get throat cancer from a woman with hpv | <10 |
| 818 | can going down on a girl with hpv give you throat cancer | <10 |
| 823 | i had hpv a long time ago. can a guy get throat cancer if he gives me oral sex | <10 |
| 843 | hpv throat cancer oral sex | <10 |
| 869 | can you get hpv throat cancer from kissin | <10 |
| 874 | can you get throat cancer from giving a girl head if she has hpv | <10 |
| 917 | hpv throat cancer from blowjob | <10 |
| 921 | can a person contract throat cancer from a woman hpv positive by performing oral sex | <10 |
| 971 | has a person contracted hpv throat cancer from kissing | <10 |
| 989 | oral and throat cancer from sucking dick hpv virus | <10 |
| 992 | can you get hpv throat cancer from someone who has hpv cervical cancer | <10 |
| 994 | throat cancer hpv oral sex | <10 |
| 997 | hpv cancer strains oral sex throat | <10 |
| 999 | how do you contract hpv throat cancer | <10 |

hpv = human papillomavirus