**Appendix Methods**

**Sensitivity analysis for potential out-migration**

If individuals move out of cancer registry areas (i.e., out-migration), standardized incidence ratios (SIRs) will be underestimated, because the cancers can no longer be identified in the cancer registries. The degree of out-migration is unknown, but this issue would be expected to be increasingly apparent with extended time after individuals’ HIV report date or AIDS diagnosis date. In a sensitivity analysis, to address this possible bias, we recalculated SIRs after decreasing the expected cancer counts by 27% for the late follow-up period (follow-up time 10+ years after the later of HIV report or AIDS diagnosis), which is equivalent to assuming a 27% loss to follow-up due to out-migration. We determined this correction factor by comparing adjusted incidence rates for virus-unrelated non-AIDS-defining cancers as a group (excluding lung cancer) for the early and late attained follow-up periods using Poisson regression. We observed that those rates were approximately 27% lower during late attained follow-up. This decrease in cancer risk may have a biological explanation, but the sensitivity analysis assumes that it entirely reflects out-migration.

**Appendix Tables**

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| **Appendix Table 1. Classification scheme for cancer types** | | |
| **Cancer types\*** | **ICD-O-3 topography (site)** | **ICD-O-3 morphology (histology)** |
| All cancers | -- | -- |
| ADCs | -- | -- |
| KS | Any | 9140 |
| AIDS-defining NHLs | Any | Any AIDS-defining NHL morphology codes below |
| DLBCL | Any | 9678-9680, 9684, 9688, 9735, 9737 |
| Burkitt lymphoma | Any | 9687, 9826 |
| Unspecified NHL | Any | 9590-9596, 9675, 9820, 9970 |
| CNS NHL† | C710-C729 | Any NHL morphology |
| Cervix | C530-C539 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| NADCs | -- | -- |
| VRNADCs | -- | -- |
| HPV-related oral cavity/pharynx | C019, C024, C090-C100, C102-C109, C140, C142 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Anus | 1. C210-C212, C218 2. C209 | 1. Excluding 8000-8005, 9050-9055, 9140, 9590-9992 2. 8050-8084, 8094, 8123-8124, 8215 |
| Liver | C220 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Merkel cell carcinoma | C440-C449 | 8247 |
| Vagina | C529 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Vulva | C510-C519 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Penis | C600-C609 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Hodgkin lymphoma | Any | 9650-9667 |
| VUNADCs | -- | -- |
| Lip | C000-C009 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Salivary gland | C079-C089 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Nasopharynx | C110-C119 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Non-HPV oral cavity/pharynx | C020-C023, C025-C069, C101, C129-C139, C148 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Esophagus | C150-C159 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Stomach | C160-C169 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Small Intestine | C170-C179 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Colon | C180-C189, C260 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Rectum/rectosigmoid junction | 1. C199 2. C209 | 1. Excluding 8000-8005, 9050-9055, 9140, 9590-9992 2. Excluding 8000-8005, 8050-8084, 8094, 8123-8124, 8215, 9050-9055, 9140, 9590-9992 |
| Intrahepatic bile duct | C221 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Gallbladder | C239 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Extrahepatic bile duct | C240 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Pancreas | C250-C259 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Nasal cavity | C300 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Accessory sinuses | C310-C319 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Larynx | C320-C329 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Lung | C340-C349 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Bones and joints | C400-C419 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Soft tissue including heart | C380, C470-C479, C490-C499 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Melanoma | C440-C449 | 8720-8790 |
| Appendageal carcinoma of the skin | C440-C449 | 8200, 8211, 8390, 8400-8401, 8403, 8407-8410, 8480, 8940 |
| Sarcomas of the skin | C440-C449 | 8800-8935, 9120, 9130, 9133, 9170, 9240 |
| Female breast | C500-C509‡ | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Uterus | C540-C549 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Ovary | C569 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Prostate | C619 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Testis | C620-C629 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Scrotum | C632 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Urinary bladder | C670-C679 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Kidney/renal pelvis | C649, C659 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Conjunctiva | C690 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Brain§ | C710-C719 | Excluding 8000-8005, 9050-9055, 9140, 9530-9539, 9590-9992 |
| Thyroid | C739 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Thymus | C379 | Excluding 8000-8005, 9050-9055, 9140, 9590-9992 |
| Non-AIDS-defining NHLs | Any | 9597, 9670-9671, 9673, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9738, 9761-9762, 9764, 9811-9818, 9823, 9827, 9831-9837, 9940, 9948 |
| Myeloma | Any | 9731-9732, 9734 |
| Myeloid and monocytic leukemias | Any | 9840, 9860-9861, 9863, 9865-9867, 9869, 9871-9876, 9891, 9895-9898, 9910-9911, 9920, 9930, 9945-9946 |
| Polycythemia vera | C420-C424 | 9950 |
| Essential thrombocythemia | C420-C424 | 9962 |
| Myelodysplastic syndrome | C420-C424 | 9980-9989 |
| Mesothelioma | Any | 9050-9055 |
| Miscellaneous | 1. C241-C249, C268-C269, C301, C339, C381-C384, C388, C390, C398-C399, C420-C424, C480-C482, C488, C559, C570-C589, C630-C631, C637-C639, C669, C680-C689, C691-C709, C720-C729, C740-C768, C770-C779, C809 2. C440-C449 3. C500-C509|| 4. C710-C719 5. Any | 1. Excluding 8000-8005, 9050-9055, 9140, 9590-9992 2. Excluding 8000-8005, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 8200, 8211, 8247, 8390, 8400-8401, 8403, 8407-8410, 8480, 8800-8935, 8940, 9050-9055, 9120, 9130, 9133, 9140, 9170, 9240, 9590-9992 3. Excluding 8000-8005, 9050-9055, 9140, 9590-9992 4. 9530-9539 5. 9733, 9740-9742, 9750-9760, 9763, 9765-9769, 9800-9801, 9805-9809, 9870, 9931, 9960-9961, 9963-9967, 9975, 9991-9992 |
| Poorly specified histology at any site | Any | 8000-8005 |
| Abbreviations: ADCs, AIDS-defining cancers; AIDS, acquired immunodeficiency syndrome; CNS, central nervous system; DLBCL, diffuse large B-cell lymphoma; HPV, human papillomavirus; ICD-O-3, International Classification of Diseases for Oncology, Third Edition; KS, Kaposi sarcoma; NADCs, non-AIDS-defining cancers; NHL, non-Hodgkin lymphoma; VRNADCs, virus-related non-AIDS-defining cancers; VUNADCs, virus-unrelated non-AIDS-defining cancers.  \*Classified based on ICD-O-3 code.1,2 The grouped cancer categories (all cancers, ADCs, NADCs, VRNADCs, and VUNADCs) are defined by the specified cancers within each category.  †CNS NHL is defined based on site rather than histology, so this category overlaps with other AIDS-defining NHL subtypes.  ‡Females only.  §This category does not include CNS NHL.  ||Males only. | | |

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| **Appendix Table 2. Outmigration-corrected standardized incidence ratios for cancer in HIV-infected people, 1996-2012** | |
| **Cancer types** | **SIR (95% CI)** |
| All cancers | 1·80 (1·78, 1·83) |
| ADCs | 14·7 (14·3, 15·0) |
| KS | 534 (512, 556) |
| AIDS-defining NHLs | 12·1 (11·7, 12·5) |
| DLBCL | 10·9 (10·4, 11·3) |
| Burkitt lymphoma | 21·2 (19·2, 23·3) |
| Unspecified NHL | 13·0 (12·2, 13·9) |
| CNS NHL\* | 162 (148, 176) |
| Cervix | 3·37 (3·06, 3·71) |
| NADCs | 1·29 (1·27, 1·31) |
| VRNADCs | 5·74 (5·57, 5·92) |
| HPV-related oral cavity/pharynx | 1·75 (1·56, 1·97) |
| Anus | 20·2 (19·2, 21·2) |
| Liver | 3·45 (3·25, 3·66) |
| Merkel cell carcinoma | 2·80 (1·34, 5·15) |
| Vagina | 3·74 (2·42, 5·52) |
| Vulva | 9·82 (8·31, 11·5) |
| Penis | 5·68 (4·68, 6·82) |
| Hodgkin lymphoma | 8·02 (7·50, 8·57) |
| VUNADCs | 0·98 (0·96, 1·00) |
| Lip | 2·49 (1·52, 3·85) |
| Salivary gland | 0·95 (0·65, 1·33) |
| Nasopharynx | 1·27 (0·87, 1·81) |
| Non-HPV oral cavity/pharynx | 2·34 (2·10, 2·60) |
| Esophagus | 1·31 (1·13, 1·51) |
| Stomach | 0·79 (0·68, 0·91) |
| Small Intestine | 0·76 (0·57, 0·99) |
| Colon | 0·65 (0·59, 0·71) |
| Rectum/rectosigmoid junction | 0·73 (0·65, 0·82) |
| Intrahepatic bile duct | 1·30 (0·81, 1·99) |
| Gallbladder | 1·43 (1·00, 1·98) |
| Extrahepatic bile duct | 1·12 (0·68, 1·73) |
| Pancreas | 1·21 (1·08, 1·35) |
| Nasal cavity | 2·83 (1·83, 4·17) |
| Accessory sinuses | 1·40 (0·82, 2·24) |
| Larynx | 2·25 (2·02, 2·50) |
| Lung | 2·10 (2·02, 2·19) |
| Bones and joints | 0·65 (0·36, 1·07) |
| Soft tissue including heart | 1·07 (0·87, 1·31) |
| Melanoma | 0·91 (0·80, 1·05) |
| Appendageal carcinoma of the skin | 1·79 (0·98, 3·00) |
| Sarcomas of the skin | 0·82 (0·47, 1·34) |
| Female breast | 0·66 (0·61, 0·71) |
| Uterus | 0·45 (0·36, 0·56) |
| Ovary | 0·72 (0·55, 0·93) |
| Prostate | 0·52 (0·49, 0·55) |
| Testis | 0·89 (0·71, 1·10) |
| Scrotum | 7·28 (4·45, 11·3) |
| Urinary bladder | 0·94 (0·81, 1·10) |
| Kidney/renal pelvis | 0·79 (0·71, 0·87) |
| Conjunctiva | 5·95 (3·68, 9·09) |
| Brain† | 0·60 (0·48, 0·74) |
| Thyroid | 0·52 (0·45, 0·61) |
| Thymus | 0·94 (0·50, 1·60) |
| Non-AIDS-defining NHLs | 1·40 (1·28, 1·53) |
| Myeloma | 0·96 (0·83, 1·10) |
| Myeloid and monocytic leukemias | 1·24 (1·06, 1·45) |
| Polycythemia vera | 2·39 (1·89, 2·97) |
| Essential thrombocythemia | 1·08 (0·72, 1·57) |
| Myelodysplastic syndrome | 2·20 (1·80, 2·66) |
| Mesothelioma | 1·23 (0·72, 1·97) |
| Miscellaneous | 1·88 (1·74, 2·04) |
| Poorly specified histology at any site | 2·50 (2·30, 2·72) |
| Abbreviations: ADCs, AIDS-defining cancers; AIDS, acquired immunodeficiency syndrome; CI, confidence interval; CNS, central nervous system; DLBCL, diffuse large B-cell lymphoma; HPV, human papillomavirus; KS, Kaposi sarcoma; NADCs, non-AIDS-defining cancers; NHL, non-Hodgkin lymphoma; SIR, standardized incidence ratio; VRNADCs, virus-related non-AIDS-defining cancers; VUNADCs, virus-unrelated non-AIDS-defining cancers.  \*CNS NHL is defined based on site rather than histology, so this category overlaps with other AIDS-defining NHL subtypes, and the total of the subcategories is greater than for AIDS-defining NHL overall.  †This category does not include CNS NHL. | |

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| **Appendix Table 3. Standardized incidence ratios for cancer in HIV-infected people according to calendar year period** | | | | | |
| **Cancer types** | **SIR (95% CI)** | | | | ***P* for**  **trend\*** |
| **1996-1999** | **2000-2004** | **2005-2008** | **2009-2012** |
| All cancers | 3·64 (3·45, 3·84) | 2·22 (2·16, 2·28) | 1·70 (1·66, 1·74) | 1·31 (1·28, 1·34) | <0·0001 |
| ADCs | 33·5 (31·2, 36·0) | 17·8 (17·0, 18·6) | 13·3 (12·8, 13·9) | 9·33 (8·87, 9·81) | <0·0001 |
| KS | 2,183 (1,944, 2,444) | 785 (728, 845) | 490 (456, 526) | 257 (235, 280) | <0·0001 |
| AIDS-defining NHLs | 27·8 (25·3, 30·6) | 14·7 (13·9, 15·6) | 10·9 (10·3, 11·5) | 7·81 (7·31, 8·33) | <0·0001 |
| DLBCL | 26·7 (23·4, 30·4) | 13·2 (12·3, 14·3) | 9·75 (9·06, 10·5) | 7·32 (6·75, 7·93) | <0·0001 |
| Burkitt lymphoma | 28·3 (16·5, 45·3) | 23·1 (19·1, 27·6) | 22·5 (19·2, 26·1) | 15·9 (13·3, 18·8) | 0·0007 |
| Unspecified NHL | 29·3 (25·3, 33·8) | 16·3 (14·6, 18·1) | 10·9 (9·74, 12·2) | 6·76 (5·80, 7·82) | <0·0001 |
| CNS NHL | 872 (715, 1,054) | 226 (194, 263) | 139 (118, 161) | 59·5 (47·3, 74·0) | <0·0001 |
| Cervix | 3·98 (2·65, 5·76) | 3·94 (3·29, 4·69) | 3·25 (2·75, 3·81) | 2·64 (2·19, 3·15) | 0·0010 |
| NADCs | 1·60 (1·47, 1·74) | 1·46 (1·41, 1·51) | 1·23 (1·20, 1·27) | 1·05 (1·02, 1·07) | <0·0001 |
| VRNADCs | 6·35 (5·30, 7·56) | 6·66 (6·26, 7·09) | 5·69 (5·41, 5·99) | 4·51 (4·28, 4·74) | <0·0001 |
| HPV-related oral cavity/pharynx | 1·77 (0·88, 3·16) | 1·56 (1·18, 2·01) | 1·85 (1·53, 2·22) | 1·50 (1·23, 1·80) | 0·5343 |
| Anus | 22·1 (16·0, 29·6) | 26·5 (24·0, 29·2) | 20·3 (18·7, 22·0) | 14·8 (13·5, 16·1) | <0·0001 |
| Liver | 3·58 (2·12, 5·65) | 3·87 (3·39, 4·40) | 3·43 (3·10, 3·77) | 2·79 (2·54, 3·06) | <0·0001 |
| Merkel cell carcinoma | 11·1 (0·28, 61·9) | 1·63 (0·04, 9·10) | 4·20 (1·54, 9·15) | 1·14 (0·14, 4·13) | 0·1762 |
| Vagina | 5·39 (0·14, 30·0) | 3·59 (1·17, 8·38) | 2·48 (0·91, 5·39) | 4·28 (2·28, 7·32) | 0·7258 |
| Vulva | 2·02 (0·05, 11·2) | 9·28 (6·26, 13·2) | 9·07 (6·59, 12·2) | 10·0 (7·90, 12·6) | 0·2348 |
| Penis | 2·17 (0·05, 12·1) | 5·60 (3·62, 8·26) | 5·32 (3·80, 7·24) | 5·36 (3·95, 7·11) | 0·8199 |
| Hodgkin lymphoma | 9·09 (6·74, 12·0) | 8·57 (7·52, 9·72) | 7·91 (7·07, 8·83) | 6·69 (5·91, 7·55) | 0·0024 |
| VUNADCs | 1·30 (1·18, 1·44) | 1·10 (1·06, 1·15) | 0·90 (0·89, 0·95) | 0·80 (0·78, 0·83) | <0·0001 |
| Lip | 3·69 (0·45, 13·3) | 2·70 (0·99, 5·87) | 1·79 (0·58, 4·18) | 2·36 (0·95, 4·86) | 0·5975 |
| Salivary gland | 0·00 (0·00, 2·88) | 1·50 (0·78, 2·62) | 0·56 (0·22, 1·15) | 0·93 (0·51, 1·55) | 0·6751 |
| Nasopharynx | 1·06 (0·03, 5·91) | 0·87 (0·28, 2·03) | 1·55 (0·85, 2·60) | 1·10 (0·55, 1·97) | 0·8135 |
| Non-HPV oral cavity/pharynx | 1·58 (0·76, 2·91) | 2·21 (1·76, 2·75) | 2·39 (1·99, 2·84) | 2·10 (1·75, 2·50) | 0·9337 |
| Esophagus | 1·30 (0·52, 2·67) | 1·38 (1·01, 1·83) | 1·05 (0·80, 1·36) | 1·30 (1·03, 1·62) | 0·9134 |
| Stomach | 1·55 (0·82, 2·65) | 0·78 (0·56, 1·07) | 0·73 (0·56, 0·94) | 0·66 (0·52, 0·84) | 0·0404 |
| Small Intestine | 1·08 (0·13, 3·89) | 0·90 (0·46, 1·56) | 0·35 (0·16, 0·66) | 0·89 (0·61, 1·26) | 0·6904 |
| Colon | 0·43 (0·21, 0·79) | 0·54 (0·43, 0·66) | 0·70 (0·61, 0·81) | 0·58 (0·50, 0·67) | 0·5859 |
| Rectum/rectosigmoid junction | 1·00 (0·50, 1·79) | 0·60 (0·44, 0·80) | 0·84 (0·69, 1·01) | 0·58 (0·47, 0·71) | 0·1988 |
| Intrahepatic bile duct | 0·00 (0·00, 9·76) | 1·17 (0·24, 3·43) | 1·98 (0·99, 3·54) | 0·79 (0·32, 1·63) | 0·4634 |
| Gallbladder | 0·00 (0·00, 10·5) | 1·28 (0·47, 2·80) | 1·60 (0·87, 2·68) | 1·22 (0·70, 1·98) | 0·9419 |
| Extrahepatic bile duct | 0·00 (0·00, 12·7) | 0·91 (0·19, 2·65) | 1·42 (0·65, 2·69) | 0·86 (0·37, 1·70) | 0·8649 |
| Pancreas | 0·90 (0·33, 1·95) | 1·24 (0·94, 1·60) | 1·17 (0·96, 1·42) | 1·07 (0·90, 1·26) | 0·5040 |
| Nasal cavity | 5·06 (0·13, 28·2) | 2·53 (0·82, 5·89) | 2·73 (1·25, 5·19) | 2·55 (1·22, 4·69) | 0·7861 |
| Accessory sinuses | 1·66 (0·04, 9·27) | 1·72 (0·56, 4·00) | 0·67 (0·14, 1·96) | 1·65 (0·71, 3·26) | 0·9916 |
| Larynx | 3·03 (1·80, 4·79) | 2·34 (1·87, 2·89) | 2·07 (1·72, 2·47) | 1·92 (1·60, 2·29) | 0·0509 |
| Lung | 3·09 (2·59, 3·66) | 2·54 (2·35, 2·74) | 1·95 (1·82, 2·09) | 1·60 (1·50, 1·72) | <0·0001 |
| Bones and joints | 1·53 (0·19, 5·53) | 0·16 (0·00, 0·89) | 0·79 (0·32, 1·63) | 0·65 (0·21, 1·52) | 0·8357 |
| Soft tissue including heart | 1·35 (0·44, 3·15) | 1·21 (0·79, 1·77) | 1·12 (0·79, 1·54) | 0·80 (0·54, 1·14) | 0·0858 |
| Melanoma | 1·18 (0·65, 1·99) | 0·79 (0·57, 1·06) | 0·94 (0·75, 1·17) | 0·78 (0·61, 0·98) | 0·3871 |
| Appendageal carcinoma of the skin | 3·96 (0·10, 22·1) | 2·48 (0·67, 6·34) | 0·76 (0·09, 2·73) | 1·82 (0·73, 3·76) | 0·5583 |
| Sarcomas of the skin | 0·00 (0·00, 3·32) | 1·21 (0·44, 2·64) | 0·41 (0·08, 1·19) | 1·03 (0·41, 2·12) | 0·7186 |
| Female breast | 0·72 (0·47, 1·06) | 0·73 (0·62, 0·86) | 0·61 (0·53, 0·70) | 0·59 (0·52, 0·66) | 0·0329 |
| Uterus | 0·71 (0·15, 2·08) | 0·48 (0·27, 0·79) | 0·48 (0·32, 0·69) | 0·36 (0·25, 0·51) | 0·1713 |
| Ovary | 1·30 (0·35, 3·32) | 0·86 (0·49, 1·40) | 0·58 (0·34, 0·93) | 0·63 (0·40, 0·94) | 0·1757 |
| Prostate | 0·31 (0·19, 0·48) | 0·46 (0·40, 0·52) | 0·49 (0·45, 0·54) | 0·49 (0·45, 0·53) | 0·1222 |
| Testis | 1·21 (0·55, 2·29) | 1·03 (0·69, 1·47) | 0·74 (0·48, 1·09) | 0·76 (0·48, 1·14) | 0·1305 |
| Scrotum | 0·00 (0·00, 28·4) | 7·19 (1·96, 18·4) | 9·35 (4·04, 18·4) | 5·79 (2·50, 11·4) | 0·9750 |
| Urinary bladder | 1·13 (0·49, 2·24) | 0·88 (0·63, 1·21) | 0·88 (0·66, 1·14) | 0·86 (0·67, 1·08) | 0·6264 |
| Kidney/renal pelvis | 1·01 (0·52, 1·76) | 0·92 (0·73, 1·14) | 0·65 (0·54, 0·79) | 0·72 (0·61, 0·84) | 0·0798 |
| Conjunctiva | 0·00 (0·00, 34·6) | 7·40 (2·02, 19·0) | 4·91 (1·98, 10·1) | 5·87 (2·81, 10·8) | 0·8457 |
| Brain† | 0·44 (0·09, 1·30) | 0·50 (0·29, 0·80) | 0·56 (0·38, 0·81) | 0·62 (0·43, 0·87) | 0·3937 |
| Thyroid | 0·55 (0·15, 1·40) | 0·54 (0·36, 0·77) | 0·50 (0·38, 0·65) | 0·47 (0·37, 0·59) | 0·5392 |
| Thymus | 0·00 (0·00, 11·5) | 1·33 (0·36, 3·40) | 1·25 (0·46, 2·73) | 0·46 (0·09, 1·35) | 0·2427 |
| Non-AIDS-defining NHLs | 3·17 (2·25, 4·36) | 1·96 (1·66, 2·29) | 1·19 (1·01, 1·39) | 0·97 (0·82, 1·13) | <0·0001 |
| Myeloma | 0·94 (0·31, 2·19) | 1·58 (1·21, 2·01) | 0·73 (0·54, 0·95) | 0·75 (0·60, 0·93) | 0·0003 |
| Myeloid and monocytic leukemias | 1·64 (0·75, 3·12) | 1·48 (1·08, 1·98) | 1·06 (0·79, 1·41) | 1·07 (0·82, 1·37) | 0·0665 |
| Polycythemia vera‡ |  | 1·73 (0·97, 2·85) | 3·40 (2·53, 4·47) | 1·15 (0·61, 1·97) | 0·2362 |
| Essential thrombocythemia‡ |  | 1·52 (0·41, 3·89) | 1·09 (0·56, 1·90) | 0·86 (0·45, 1·51) | 0·3224 |
| Myelodysplastic syndrome‡ |  | 2·63 (1·63, 4·01) | 2·63 (1·94, 3·49) | 1·41 (0·98, 1·96) | 0·0070 |
| Mesothelioma | 1·71 (0·04, 9·52) | 0·91 (0·19, 2·67) | 0·98 (0·32, 2·28) | 1·37 (0·59, 2·71) | 0·6919 |
| Miscellaneous | 2·81 (1·97, 3·89) | 2·41 (2·07, 2·79) | 1·61 (1·39, 1·86) | 1·48 (1·28, 1·69) | <0·0001 |
| Poorly specified histology at any site | 4·35 (3·12, 5·90) | 2·98 (2·52, 3·50) | 2·56 (2·22, 2·93) | 1·68 (1·44, 1·95) | <0·0001 |
| Abbreviations: ADCs, AIDS-defining cancers; AIDS, acquired immunodeficiency syndrome; CI, confidence interval; CNS, central nervous system; DLBCL, diffuse large B-cell lymphoma; HPV, human papillomavirus; KS, Kaposi sarcoma; NADCs, non-AIDS-defining cancers; NHL, non-Hodgkin lymphoma; SIR, standardized incidence ratio; VRNADCs, virus-related non-AIDS-defining cancers; VUNADCs, virus-unrelated non-AIDS-defining cancers.  \*From unadjusted Poisson models where calendar period was modeled as a single continuous term.  †This category does not include CNS NHL.  ‡Reporting for these cancer outcomes started in 2001. | | | | | |

**Appendix References**

1. World Health Organization. International classification of diseases for oncology. 3rd ed. Geneva: World Health Organization; 2000.

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