**Suppl 1.** Exclusion criteria and counts of all cases, adenocarcinomas, squamous cell carcinomas, and adenosquamous carcinomas from SEER (1975-2020).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data Processing Scheme** | **Count (All)** | **Count (Adenocarcinoma)** | **Count (Squamous Cell Carcinoma)** | **Count (Adenosquamous Carcinoma)** |
| Initial count of all cancer cases diagnosed 1975-2020. | 10,490,540 | 3,024,259 | 767,484 | 28,607 |
| Initial count of all non-blood borne cancer cases diagnosed 1975-2020. | 9,553,862 | 3,024,259 | 767,484 | 28,607 |
| Drop if age is unknown/uncoded. | 9,318,110 | 2,965,304 | 755,102 | 28,263 |
| Drop if sex is unknown. | 9,318,110 | 2,965,304 | 755,102 | 28,263 |
| Drop if race is unknown. | 9,230,545 | 2,931,925 | 751,575 | 28,192 |
| Drop if stage is uncoded. | 8,878,103 | 2,727,865 | 718,401 | 26,882 |
| Drop if grade is uncoded. | 8,830,022 | 2,721,361 | 718,367 | 26,882 |
| Drop if surgical status is unknown. | 8,797,321 | 2,708,507 | 715,465 | 26,813 |
| Drop if chemotherapy status is unknown. | 8,797,321 | 2,708,507 | 715,465 | 26,813 |
| Drop if radiation therapy status is unknown. | 8,719,310 | 2,686,767 | 707,878 | 26,544 |
| Drop if cause-specific death classification is unknown/missing. | 8,648,438 | 2,662,872 | 701,326 | 26,267 |
| Drop if survival months are unknown/missing. | 8,556,917 | 2,657,044 | 699,873 | 26,210 |