Get Data Out technical documentation: Incidence for Brain tumours, Head and neck, Ovarian, Pancreatic, Prostate and Testicular Cancer

V3.2, 2019-10-29

Background

The incidence counts and crude incidence rates are calculated for each Get Data Out grouping. Crude rates are helpful in determining the cancer burden and specific needs for services for a given population, compared with another population, regardless of size.

The *CAS-SOP #5 Crude Incidence Rates v1.1* was followed. This technical documentation should be read together with *CAS-SOP #5 v1.1*, and provides additional information about the snapshots that were used and the code that was run.

1.   Populations of interest

The populations of interest were defined as in the documents Brain_Grouping.doc, Head_ and_ neck_Grouping.doc, Ovarian_Grouping.doc, Pancreatic_Grouping.doc, Prostate_Grouping.doc and Testicular_Grouping.doc available on the Get Data Out website.

Data for 2013-2017 are included. The documents explain the partition of cases into groups. Incidence counts, crude rates and confidence intervals were produced for all of these groups.

2.   Counting the number of cancer cases

The number of cancer cases were taken from AV2017.AV_TUMOUR on CASREF01. The *CAS SOP #1 – Counting Cancer Cases* was followed, with the additional exclusion of testicular tumours in female patients and ovarian tumours in male patients for tumours whose ICD code starts with D. (The SOP handles C-

coded tumours but does not yet perform any exclusion on D-coded tumours: sex-exclusions are performed on all tumours for our dataset).

The code used to extract the cohort (and organise by cancer type) for brain, head and neck, ovarian, pancreatic, prostate and testicular cancer is in GDO_brain_inc_13-17_sql.txt, GDO_head_inc_13-17_sql.txt, GDO_ova_inc_13-17_sql.txt, GDO_pan_inc_13-17_sql.txt, GDO_prost_inc_13-17_sql.txt and GDO_test_inc_13-17_sql.txt.

3.   Counting At Risk populations

The number of people in the At Risk population was taken from ONS2017.POPULATIONS_NORMALISED on CASREF01. The code used is in GDO_brain_inc_13-17_sql.txt, GDO_head_inc_13-17_sql.txt, GDO_ova_inc_13-17_sql.txt, GDO_pan_inc_13-17_sql.txt, GDO_prost_inc_13-17_sql.txt and GDO_test_inc_13-17_sql.txt.

4.   Calculating the Crude Rates and Confidence Intervals

The crude rates and their confidence intervals were calculated using the excel spreadsheet *CASSOP #5 Crude Incidence Rates 1.1.xlsx.*

5.   QA

The QA was done by Sally Vernon.

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