

Changes to the NSWCR cancer incidence and mortality data for 2018 preliminary release

Date updated: 30 March 2021

Data set: NSW Cancer Registry (NSWCR) 2018 NSW preliminary cancer incidence data

Summary

Data in the NSWCR 2018 NSW preliminary cancer incidence release have been changed due to the implementation of ICD-O-3.2 which impacts historic data for certain types of cancer. Also, previous updates using the National Death Index (NDI) have been done which impacts historic death data. Please see details below regarding impacts when using these data for analysis.

Implementation of ICD-O-3.2 classification

Change description

The IARC/WHO (International Agency for Research on Cancer/World Health Organization) ICD-O Committee has updated the ICD-O-3.1 classification with new morphology codes and terms from the 4th series of WHO Classification of Tumours (Blue Books).

The changes associated with the new ICD-O-3.2 classification have been implemented into the NSW Cancer Registry (NSWCR) and are listed in the table below.

Cancer name	Former ICD-O-3.1 coding		ICD-O-3.2 coding change	NSWCR coding resolution
	Topography	Morphology		
Small lymphocytic lymphoma (SLL)	C77	9670/3	9670/3 removed	SLL/CLL: 9823/3
Chronic lymphocytic leukaemia (CLL)	C421	9823/3		
B-lymphoblastic lymphoma	C77	9728/3	9728/3 & 9836/3 removed	B-lymphoblastic lymphoma/leukaemia: 9811/3 (variants 9812/3-9819/3)
B-lymphoblastic leukaemia	C421	9836/3		
T-lymphoblastic lymphoma	C77	9729/3	9729/3 removed	T-lymphoblastic lymphoma/leukaemia: 9837/3
T-lymphoblastic leukaemia	C421	9837/3		

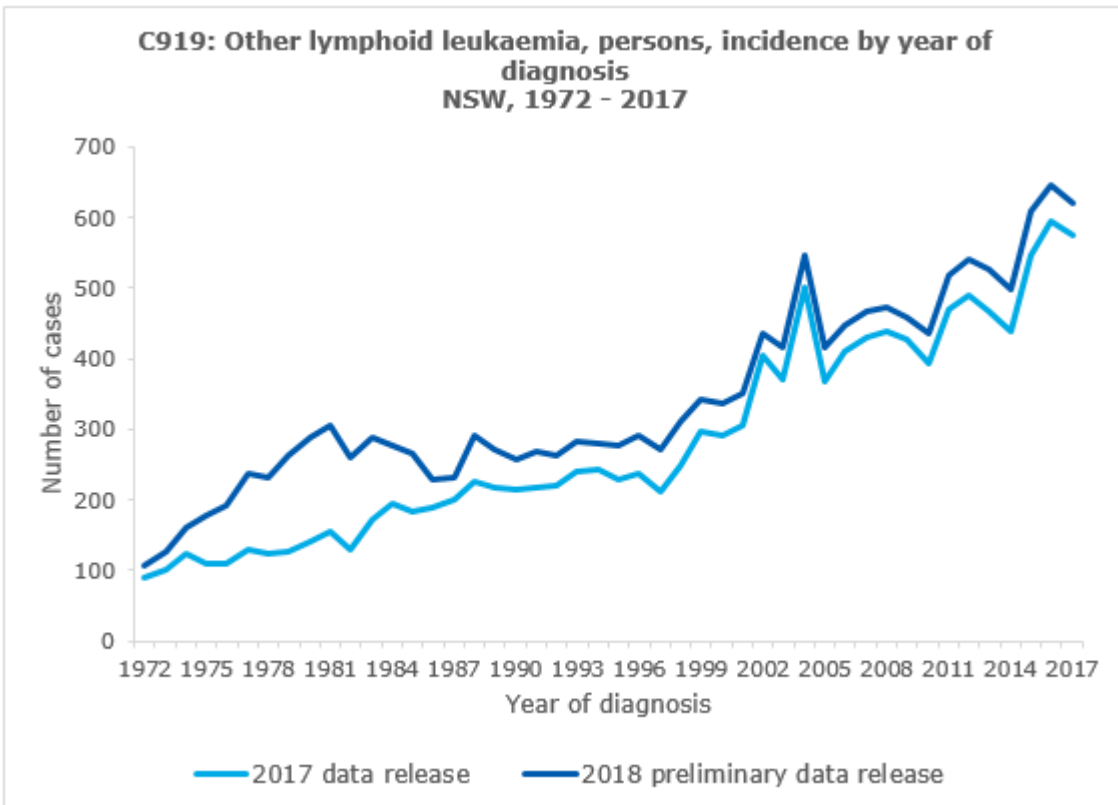
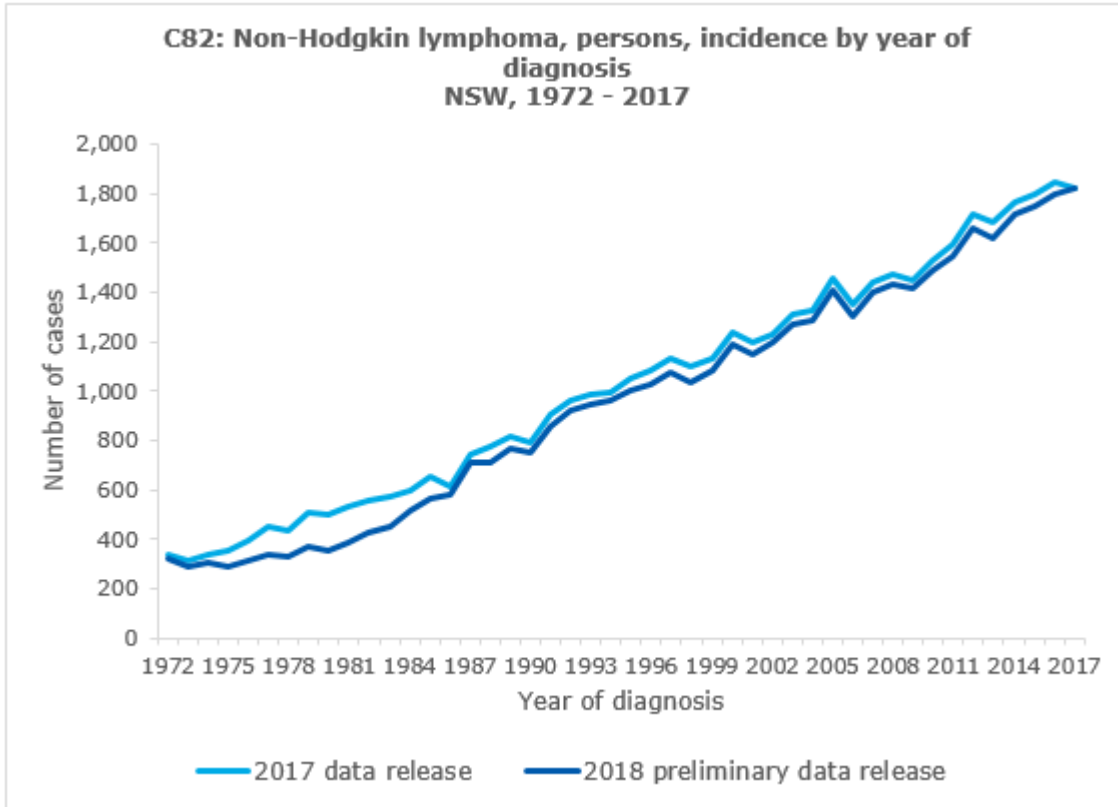
Cancer name	Former ICD-O-3.1 coding		ICD-O-3.2 coding change	NSWCR coding resolution
	Topography	Morphology		
Burkitt lymphoma	C77	9687/3	9826/3 removed	Burkitt lymphoma: 9687/3 (all variants)
Burkitt leukaemia	C421	9826/3		

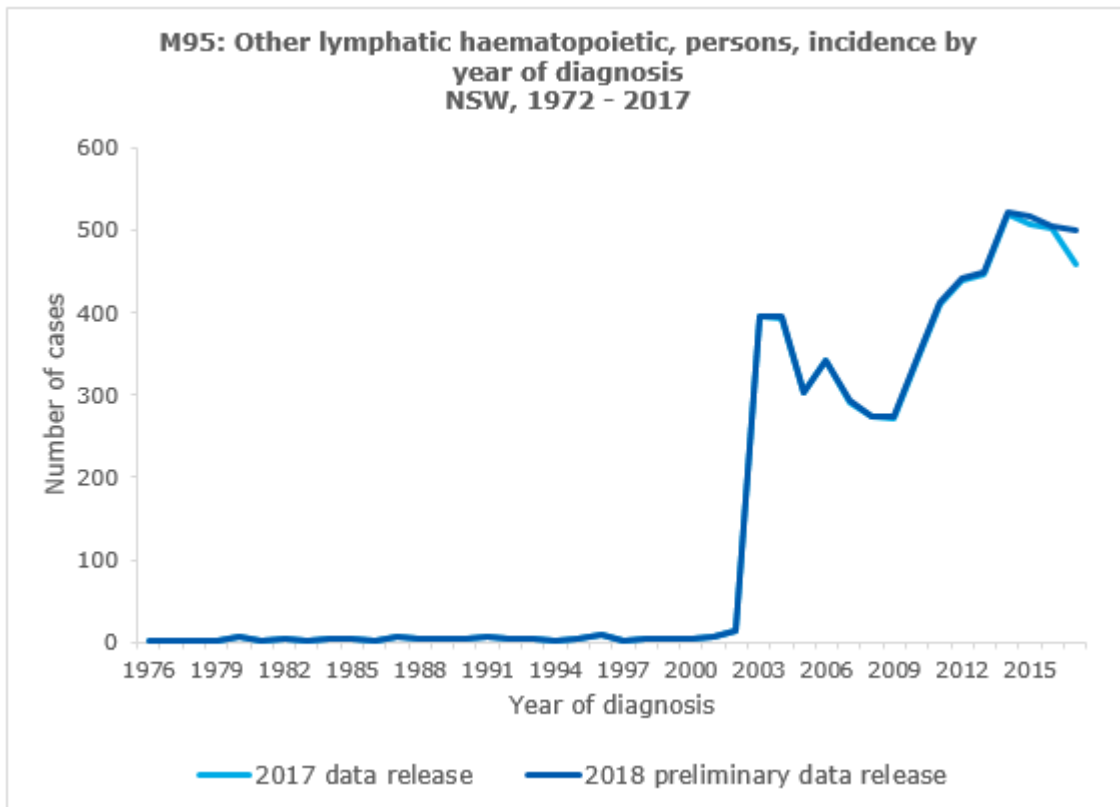
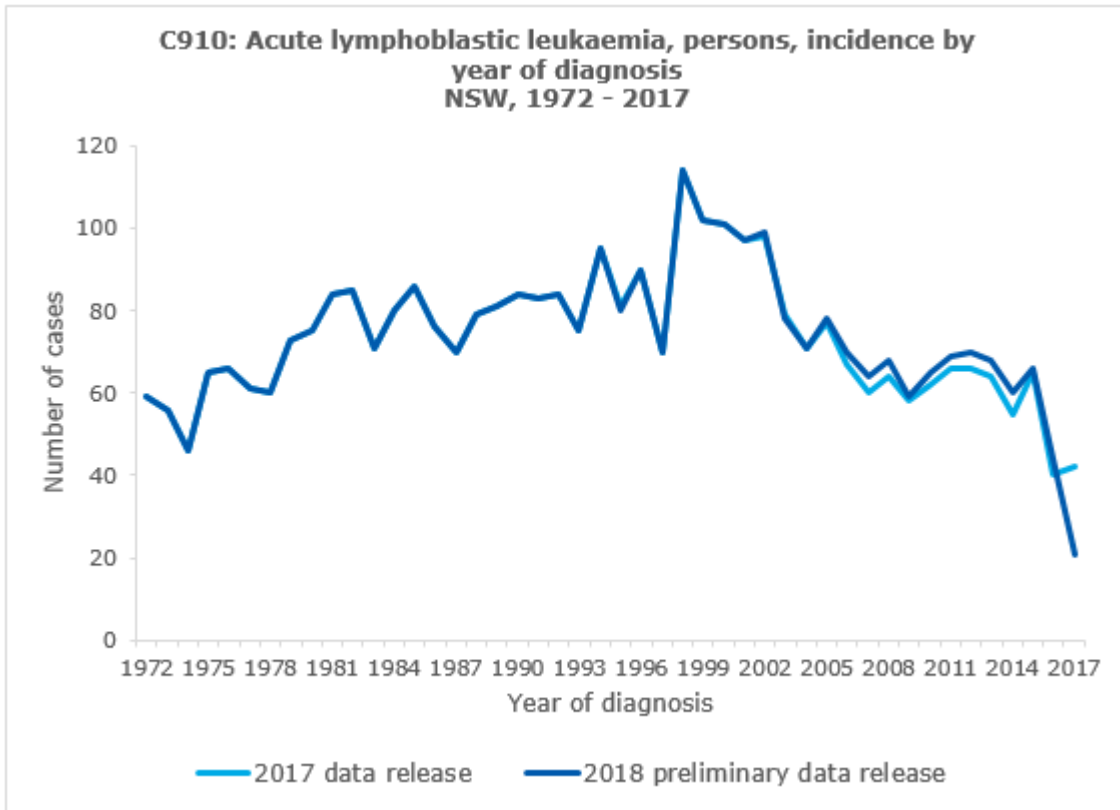
Impacted cancer cases have been re-coded for 1972 onwards which means there are some changes to historic data in this release. For more details please see the "Change analysis" section below

Change analysis

The following table & charts show the difference due to the ICD-O-3.2 updates for impacted reporting cancer types between the 2017 final and 2018 preliminary cancer incidence and mortality data releases.

Cancer type (ICD-9)	Number of cases 1972-2017 (#)			Average percentage difference 1972-2017 (%)
	2017 data release	2018 preliminary data release	Difference	
C82: Non-Hodgkin lymphoma	46,849	44,119	-2,730	-8.5%
C919: Other lymphoid leukaemia	13,010	15,793	2,783	31.2%
C910: Acute lymphoblastic leukaemia	3,383	3,398	15	0.2%
M95: Other lymphatic haematopoietic	6,708	6,075	67	0.4%





National death index (NDI) update

Change description

The National Death Index (NDI) is a database developed and maintained by the Australian Institute of Health and Welfare (AIHW). It contains a listing of all deaths that have occurred in Australia since 1980.

Records for people alive on the NSW Cancer Registry (NSWCR), who were diagnosed with cancer between 1980 and 2014, are undergoing a matching process against the records in the NDI. This matching is conducted in order to identify people who may have died but were not captured by the existing death data update processes. This typically occurs when people move interstate or die of causes other than cancer:

The previous cancer incidence and mortality data release (2017) incorporated the NDI matches associated with deaths that occurred interstate.

Future data releases will include the additional NDI matches for people who died in NSW, largely of causes other than cancer.

Use of data for survival reporting

The current release data are complete for reporting **cancer-specific survival** for people who were diagnosed with cancer between 1980 and 2014 and followed up to 2014.

Data for **all-cause survival** are complete for people who were diagnosed with cancer between 1980 and 2008 and followed up to 2008.

Future data releases will enable reporting of complete **all-cause survival** for people who were diagnosed with cancer between 1980 and 2014 and followed up to 2014.