Lung Cancer Quality Performance Indicator Specifications

LCQI03 Pathological Diagnosis

2021

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# Introduction

This information is provided to make it easier for analysts to replicate our calculations. For each measure we have provided supporting information, a table and a flow diagram.

This document provides specifications for the following measure.

|  |  |  |
| --- | --- | --- |
| **Measure** | **Measure abbreviation** | **Measure type** |
| Proportion of people who have a pathological diagnosis of lung cancer | Pathology | Quality improvement |

# Sources of data for indicator

* New Zealand Cancer Registry (NZCR) – a population-based register of all primary malignant diseases diagnosed in New Zealand, excluding squamous and basal cell skin cancers

More information on these data sources can be found on the Ministry of Health’s website: **www.health.govt.nz**.

# LCQI03 Pathological diagnosis

Proportion of people who have a pathological diagnosis of lung cancer.

**Measure type:** quality improvement

## Measure items

| **Dataset** | **Data item** | **Description** |
| --- | --- | --- |
| NZCR | NHI | Patient identifier |
| NZCR | Cancer event ID | Cancer registration identifier |
| NZCR | Date of initial diagnosis | Date person first diagnosed with lung cancer |
| NZCR | Diagnosis year | Calendar year of first diagnosis |
| NZCR | Site | Primary organ of origin of the cancer (ICD-10-AM 8th Edition code) |
| NZCR | Morphology code | 4-digit code for microscopic or cellular anatomy of the cancer (ICD-O-3) |
| NZCR | Basis | Basis of diagnosis |
| NZCR | DHB of domicile | DHB code for domicile of patient at diagnosis |
| NZCR | DHB | DHB name based on domicile of patient at diagnosis |
| NZCR | Age at diagnosis | Age of patient at diagnosis in years |
| NZCR | Prioritised ethnicity | Ethnic group derived from patient’s ethnicity |
| NZCR | Sex | Sex of patient |
| NZCR | Deprivation quintile | NZDep2013 index of social deprivation quintile based on patient’s domicile |
| NZCR | Date of death | Date patient died |
| NZCR | TNM\_T | Stage at diagnosis – tumour |
| NZCR | TNM\_N | Stage at diagnosis – node |
| NZCR | TNM\_M | Stage at diagnosis – metastases |
| NZCR | Behaviour code | Neoplastic behaviour of the cancer |
| NZCR | Multiple tumour flags | Person diagnosed with more than one tumour |
| NZCR | Registration status code | Status of registration processing |

## Case eligibility criteria (denominator)

|  |  |  |  |
| --- | --- | --- | --- |
| **Diagram reference** | **Assessment** | **Item** | **Codes** |
| 1 | First or only diagnosis of malignant neoplasm | Primary site | First diagnosis of lung cancer (trachea C33 or bronchus C34) |
| 2 | Exclude manually censored case | Exclusion | Registration codes not R\_C (registered complete) or R\_R (registered)  Non-incident cancer (exclude people with multiple tumour flags = yes)  People diagnosed following death certificate only (basis = 0)  People domiciled outside of New Zealand (DHB\_code = 999)  Cancer morphologies of melanoma, sarcoma and other unusual morphologies (codes 8333, 8720, 8772, 8800, 8801, 8803, 8805, 8815, 8890, 9040, 9041, 9133) |
| 3 | Diagnosis date | Date of initial diagnosis | 2015–18 |
| 4 | Male or female | Sex | M or F |
| 5 | Adult patient 18 years and older at diagnosis | Age at diagnosis | 18 years and older |
| 6 | Invasive tumours | Behaviour code | 3 |

## Numerator criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Diagram reference** | **Assessment** | **Item** | **Codes** |
| 7 | Number of people with pathological confirmation of the diagnosis of lung cancer | Pathology | Basis of diagnosis with values:  5 – Cytology or haematology  6 – Histology of metastases  7 – Histology of primary  8 – Autopsy with histology |

