**NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE**

**NICE indicator validity assessment**

Assurance date: December 2020

Review date: December 2023

# Indicator IAP00074

Under 75 mortality from liver disease – (See also IAP00019 (Trust version))

# Validity assessment

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| **Domain** | **Notes** | **Assessment** |
| Importance | Indicator is part of the CCG Outcomes Indicator Set domain 1 focussing on prevention of premature mortality, with the aim of lowering the numbers to improve health outcomes.  Only 3 years data published so far, national values fairly consistent over the period. Considerable variation by gender and by CCG | The indicator links to domain 1 of the CCG outcomes indicator set (Preventing people from dying prematurely)  No clear national trend so far but considerable variation sub-nationally. |
| Evidence base | From data quality statement for NHSOF equivalent[[1]](#footnote-1):  “The overarching indicators in domain 1 allow the Secretary of State to review how successful the NHS has been in preventing people from dying prematurely, and in particular, preventing deaths from causes considered ‘amenable’ to healthcare. 'Amenable' in this context relates to premature deaths that should not occur in most cases in the presence of timely and effective healthcare.  Liver disease other than Hepatitis C is not counted as amenable under the Office for National Statistics (ONS) definition, yet many (as opposed to ‘most’ – as required by the ONS definition) of these deaths are amenable to healthcare.  It is included in the framework because it is a major cause of death in England and the NHS can contribute to reducing premature deaths from both amenable and non- amenable causes.” | Mortality from liver disease is open to reduction through appropriate and effective health care (e.g. treatment of auto-immune liver disease, liver transplant).  There are multiple contributions to variation in mortality rates from population level contributions such as lifestyle and community interventions (e.g. alcohol), clinical patient variables (co-morbidity, disease stage) patient behaviour (e.g. abstinence), health systems effects (e.g. early and appropriate treatment). |
| Specification | Numerator: Death registrations where liver disease (ICD10 K70-77, B15-B19, C22, I81, I85, T86.4) is given as the underlying cause of death, based on the original cause recorded on the death certificate. Based on GP of registration.  Denominator: Registered patient counts by single year of age and sex from the NHAIS (Exeter) Systems; extracted annually on 1 April for the forthcoming financial year.  Exclusions: None  Methodology: Directly age and sex standardised rate  Geography: England, CCG  Data Source: Primary Care Mortality Database  Disclosure control: Indicator values from numerators under 10 are suppressed. Rates rounded to 1 decimal place. | The indicator has defined components necessary to construct the indicator, including numerator, denominator and exclusions. |
| Feasibility | Both numerator and denominator come from reliable sources which will continue. | Uses readily accessible, reliable and valid routine data |
| Acceptability | In 2014 the ONS made changes to the way cause of death is categorised. However, no changes to methodology have taken place since 2014 so this does affect NHS Digital’s published data for this indicator. | The indicator assesses performance that is attributable to or within the control of the audience.  The results of the indicator can be used to improve practice. |
| Risk | Local authority (upper and lower tier) level data for this indicator is produced by Public Health England for the Public Health Outcomes Framework (PHOF) as a 3 year pooled years total.  Methodology is not consistent with NHSOF version, so national values vary. | No risks specific to this indicator identified |

**Summary**: Indicator to be renewed.

**NHS Digital Indicator Reference:**

CCG Outcomes Indicator Set - 1.7 Under 75 mortality from liver disease

1. NHS Digital. NHS Outcomes Framework, Indicator Quality Statement, Domain 1. 1.3 Under 75 mortality rate from liver disease, Indicator reference I00658. Version 2.3, February 2019 [↑](#footnote-ref-1)