

Hepatobiliary and Pancreas - Cirrhosis of the Liver (Adults) Quality Dashboard 2018/19



Indicator Reference Number	Domain	Theme	Measure	Rationale	Name of Indicator / Description	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Target	Interpretation Guidance	Notes	Reporting Periods			
															Q1	Q2	Q3	Q4
CIRR01	Domain 1: Preventing people from dying prematurely	Clinical Process Measure	Emergency Admissions - admitted to HDU/ITU	This indicator measures the effectiveness of the care pathway for a patient admitted as an emergency.	Proportion of patients admitted to HDU/ITU following an emergency admission with decompensated cirrhosis of the liver	Of those in the denominator, the number admitted to HDU/ITU at any point during their admission	The total number of patients admitted as an emergency with decompensated cirrhosis of the liver in the reporting period	Quarterly	Quarterly	HES	HES		Higher is better	Include direct admissions to HDU/ITU and any transfers to HDU/ITU once admitted  Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Jul 18 - Sep 18	Oct 18 - Dec 18	Jan 19 - Mar 19
CIRR02	Domain 1: Preventing people from dying prematurely	Clinical Outcome Measure	In-hospital mortality - decompensated cirrhosis of the liver	This indicator measures in hospital care following emergency admission.	In-hospital mortality, following emergency admission with decompensated cirrhosis of the liver	Of those in the denominator, the number where the method of discharge is 'died'	The total number of discharges in the reporting period following an emergency admission with decompensated cirrhosis of the liver	Quarterly	Quarterly	HES	HES		Lower is better	Numerator note: Method of discharge: 4  Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Jul 18 - Sep 18	Oct 18 - Dec 18	Jan 19 - Mar 19
CIRR03	Domain 1: Preventing people from dying prematurely	Clinical Outcome Measure	In-hospital mortality within 30 days - decompensated cirrhosis of the liver	This indicator measures the effectiveness of the care pathway for a patient admitted as an emergency. Early intervention with evidence-based treatments for patients with the complications of cirrhosis can save lives.	In-hospital mortality within 30 days following emergency admission with decompensated cirrhosis of the liver	Of those in the denominator, the number who died in hospital within 30 days of admission	The total number of patients admitted as an emergency with decompensated cirrhosis of the liver in the reporting period	Quarterly	Quarterly	HES	HES		Lower is better	Numerator note: Discharge code - 4  Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Jul 18 - Sep 18	Oct 18 - Dec 18	Jan 19 - Mar 19
CIRR04	Domain 3: Helping people to recover from episodes of ill health or following injury	Clinical Process Measure	Length of stay	This indicator measures the effectiveness of the care pathway for a patient admitted as an emergency. Early intervention with evidence-based treatments for patients with the complications of cirrhosis can save lives.	Mean length of stay (in days) for emergency admissions with decompensated cirrhosis of the liver	For those patients in the denominator, the total duration of stay (in days) from date of admission to date of discharge	The total number of patients admitted as an emergency with decompensated cirrhosis of the liver in the reporting period	Quarterly	Quarterly	HES	HES		Lower is better	Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Jul 18 - Sep 18	Oct 18 - Dec 18	Jan 19 - Mar 19
CIRR05	Domain 1: Preventing people from dying prematurely	Clinical Outcome Measure	In-hospital mortality - variceal haemorrhage	This indicator measures the effectiveness of the care pathway for a patient admitted as an emergency.	In-hospital mortality within 30 days following emergency admission for variceal haemorrhage	Of those in the denominator, the number who died in hospital within 30 days of admission	The total number of patients with decompensated cirrhosis of the liver admitted with variceal haemorrhage in the reporting period	Quarterly	Quarterly	HES	HES		Lower is better	Numerator note: Discharge code - 4  Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendices A and B	N/A	Jul 18 - Sep 18	Oct 18 - Dec 18	Jan 19 - Mar 19
CIRR06	Domain 3: Helping people to recover from episodes of ill health or following injury	Clinical Process Measure	Patients readmitted to emergency	This indicator measures the effectiveness of care received by patients admitted as an emergency with decompensated liver disease.	Emergency readmissions within 30 days of discharge from an emergency admission for decompensated liver disease	Of those in the denominator, the number readmitted with decompensated cirrhosis as an emergency within 30 days of discharge	The total number of patients discharged following emergency admission for decompensated liver disease in the reporting period	Rolling Annual	Quarterly	HES	HES		Lower is better	Numerator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A  Denominator notes: Emergency admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Discharge codes: 1,2 Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Oct 17 - Sep 18	Jan 18 - Dec 18	Apr 18 - Mar 19
CIRR07	Domain 1: Preventing people from dying prematurely	Clinical Process Measure	Emergency admissions - admitted to HDU/ITU - variceal haemorrhage	This indicator measures the effectiveness of the care pathway for a patient admitted as an emergency.	Proportion of patients admitted to HDU/ITU following an emergency admission with a variceal haemorrhage	Of those in the denominator, the number admitted to HDU/ITU at any point during their admission	The total number of patients admitted as an emergency with variceal haemorrhage in the reporting period	Rolling Annual	Quarterly	HES	HES		Higher is better	Include direct admissions to HDU/ITU and any transfers to HDU/ITU once admitted  Denominator notes: Emergency Admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix B	N/A	Oct 17 - Sep 18	Jan 18 - Dec 18	Apr 18 - Mar 19
CIRR08	Domain 1: Preventing people from dying prematurely	Clinical Outcome Measure	Emergency Admissions - paracentesis	The best way to manage ascites with paracentesis is through day-case admission.	Proportion of patients with decompensated cirrhosis of the liver admitted as an emergency for paracentesis	Of those in the denominator, the number admitted as an emergency	The total number of patients with decompensated cirrhosis of the liver admitted for paracentesis in the reporting period	Rolling Annual	Quarterly	HES	HES		Lower is better	Numerator notes: Emergency Admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A Procedure (OPCS) Code – Primary or Secondary: T461  Denominator notes: Include all admission codes Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A Procedure (OPCS) Code – Primary or Secondary: T461	N/A	Oct 17 - Sep 18	Jan 18 - Dec 18	Apr 18 - Mar 19

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CIRRD9	Domain 1: Preventing people from dying prematurely	Clinical Process Measure	Patients seen by specialist	This indicator measures the proportion of patients admitted as an emergency with decompensated liver disease seen by a specialist consultant (Hepatologist/ Gastroenterologist) as a measure of the service pathway and recommended following the NCEPOD report 2013.	Proportion of patients admitted as an emergency with decompensated liver disease seen by a specialist consultant (Hepatologist/ Gastroenterologist)	Of those in the denominator, the number seen by a specialist consultant (Hepatologist/ Gastroenterologist)	The total number of patients admitted as an emergency with decompensated liver disease in the reporting period	Rolling Annual	Quarterly	HES	HES		Higher is better	Numerator notes: Treatment function code: 301 (Gastroenterology), 306 (Hepatology)  Denominator notes: Emergency Admission codes: 21, 22, 23, 24, 25, 28, 2A, 2B, 2D Diagnosis (ICD10) Codes – Primary or Secondary: Please refer to Appendix A	N/A	Oct 17 - Sep 18	Jan 18 - Dec 18	Apr 18 - Mar 19

Data collection has been approved by the Review of Central Returns - ROCR  
ROCR/OR/2230/001MAND

## Appendix A

ICD10 Code	Group	Description
B150	Acute hepatitis A	Hepatitis A with hepatic coma
B159	Acute hepatitis A	Hepatitis A without hepatic coma
B160	Acute hepatitis B	Acute hepatitis B with delta-agent (coinfection) with hepatic coma
B161	Acute hepatitis B	Acute hepatitis B with delta-agent (coinfection) without hepatic coma
B162	Acute hepatitis B	Acute hepatitis B without delta-agent with hepatic coma
B169	Acute hepatitis B	Acute hepatitis B without delta-agent and without hepatic coma
B170	Other acute viral hepatitis	Acute delta-(super)infection of hepatitis B carrier
B171	Other acute viral hepatitis	Acute hepatitis C
B172	Other acute viral hepatitis	Acute hepatitis E
B178	Other acute viral hepatitis	Other specified acute viral hepatitis
B179	Other acute viral hepatitis	Acute viral hepatitis, unspecified
B180	Chronic viral hepatitis	Chronic viral hepatitis B with delta-agent
B181	Chronic viral hepatitis	Chronic viral hepatitis B without delta-agent
B182	Chronic viral hepatitis	Chronic viral hepatitis C
B188	Chronic viral hepatitis	Other chronic viral hepatitis
B189	Chronic viral hepatitis	Chronic viral hepatitis, unspecified
B190	Unspecified viral hepatitis	Unspecified viral hepatitis with hepatic coma
B199	Unspecified viral hepatitis	Unspecified viral hepatitis without hepatic coma
K700	Alcoholic liver disease	Alcoholic fatty liver
K701	Alcoholic liver disease	Alcoholic hepatitis
K702	Alcoholic liver disease	Alcoholic fibrosis and sclerosis of liver
K703	Alcoholic liver disease	Alcoholic cirrhosis of liver
K704	Alcoholic liver disease	Alcoholic hepatic failure
K709	Alcoholic liver disease	Alcoholic liver disease, unspecified
K710	Toxic liver disease	Toxic liver disease with cholestasis
K711	Toxic liver disease	Toxic liver disease with hepatic necrosis
K712	Toxic liver disease	Toxic liver disease with acute hepatitis
K713	Toxic liver disease	Toxic liver disease with chronic persistent hepatitis
K714	Toxic liver disease	Toxic liver disease with chronic lobular hepatitis
K715	Toxic liver disease	Toxic liver disease with chronic active hepatitis
K716	Toxic liver disease	Toxic liver disease with hepatitis, not elsewhere classified
K717	Toxic liver disease	Toxic liver disease with fibrosis and cirrhosis of liver
K718	Toxic liver disease	Toxic liver disease with other disorders of liver
K719	Toxic liver disease	Toxic liver disease, unspecified
K720	Hepatic failure, not elsewhere classified	Acute and subacute hepatic failure
K721	Hepatic failure, not elsewhere classified	Chronic hepatic failure
K729	Hepatic failure, not elsewhere classified	Hepatic failure, unspecified
K730	Chronic hepatitis, not elsewhere classified	Chronic persistent hepatitis, not elsewhere classified

## Appendix A

K731	Chronic hepatitis, not elsewhere classified	Chronic lobular hepatitis, not elsewhere classified
K732	Chronic hepatitis, not elsewhere classified	Chronic active hepatitis, not elsewhere classified
K738	Chronic hepatitis, not elsewhere classified	Other chronic hepatitis, not elsewhere classified
K739	Chronic hepatitis, not elsewhere classified	Chronic hepatitis, unspecified
K740	Fibrosis and cirrhosis of liver	Hepatic fibrosis
K741	Fibrosis and cirrhosis of liver	Hepatic sclerosis
K742	Fibrosis and cirrhosis of liver	Hepatic fibrosis with hepatic sclerosis
K743	Fibrosis and cirrhosis of liver	Primary biliary cirrhosis
K744	Fibrosis and cirrhosis of liver	Secondary biliary cirrhosis
K745	Fibrosis and cirrhosis of liver	Biliary cirrhosis, unspecified
K746	Fibrosis and cirrhosis of liver	Other and unspecified cirrhosis of liver
K750	Other inflammatory liver diseases	Abscess of liver
K751	Other inflammatory liver diseases	Phlebitis of portal vein
K752	Other inflammatory liver diseases	Nonspecific reactive hepatitis
K753	Other inflammatory liver diseases	Granulomatous hepatitis, not elsewhere classified
K754	Other inflammatory liver diseases	Autoimmune hepatitis
K758	Other inflammatory liver diseases	Other specified inflammatory liver diseases
K759	Other inflammatory liver diseases	Inflammatory liver disease, unspecified
K760	Other diseases of liver	Fatty (change of) liver, not elsewhere classified
K761	Other diseases of liver	Chronic passive congestion of liver
K762	Other diseases of liver	Central haemorrhagic necrosis of liver
K763	Other diseases of liver	Infarction of liver
K764	Other diseases of liver	Peliosis hepatis
K765	Other diseases of liver	Hepatic veno-occlusive disease
K766	Other diseases of liver	Portal hypertension
K767	Other diseases of liver	Hepatorenal syndrome
K768	Other diseases of liver	Other specified diseases of liver
K769	Other diseases of liver	Liver disease, unspecified
K770	Liver disorders in diseases classified elsewhere	Liver disorders in infectious and parasitic diseases classified elsewhere
K778	Liver disorders in diseases classified elsewhere	Liver disorders in other diseases classified elsewhere

**Appendix B**

<b>ICD10 Code</b>	<b>Group</b>	<b>Description</b>
I820	Other venous embolism and thrombosis	Budd-Chiari syndrome
I821	Other venous embolism and thrombosis	Thrombophlebitis migrans
I822	Other venous embolism and thrombosis	Embolism and thrombosis of vena cava
I823	Other venous embolism and thrombosis	Embolism and thrombosis of renal vein
I828	Other venous embolism and thrombosis	Embolism and thrombosis of other specified veins
I829	Other venous embolism and thrombosis	Embolism and thrombosis of unspecified vein
I850	Oesophageal varices	Oesophageal varices with bleeding
I859	Oesophageal varices	Oesophageal varices without bleeding