

Heart and Lung Transplantation Quality Dashboard 2017/18

Indicator Reference Number	Domain	Theme	Measure	Rationale	Name of Indicator / Description	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Interpretation Guidance	Notes_1	Reporting Periods			
														Q1	Q2	Q3	Q4
HLT05ai	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Adults)		Median waiting time (in days) from registration to heart transplant (adults) - routine.	Median waiting time (in days) estimated using Kaplan Meier method, from the Adult patients registered for heart transplant on a routine list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT05aai	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Paediatrics)		Median waiting time (in days) from registration to heart transplant (paediatrics) - routine.	Median waiting time (in days) estimated using Kaplan Meier method, from the Paediatric patients registered for heart transplant on a routine list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT05aiii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Lung Transplant Waiting Times (Adults)		Median waiting time (in days) from registration to lung transplant (adults) - routine.	Median waiting time (in days) estimated using Kaplan Meier method, from the Adult patients registered for lung transplant on a routine list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT05aiv	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Lung Transplant Waiting Times (Paediatrics)		Median waiting time (in days) from registration to lung transplant (paediatrics) - routine.	Median waiting time (in days) estimated using Kaplan Meier method, from the Paediatric patients registered for lung transplant on a routine list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT05bi	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Adults)		Median waiting time (in days) from registration to heart transplant (adults) - urgent.	Median waiting time (in days) estimated using Kaplan Meier method, from the Adult patients registered for heart transplant on a urgent list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT05bii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Paediatrics)		Median waiting time (in days) from registration to heart transplant (paediatrics) - urgent.	Median waiting time (in days) estimated using Kaplan Meier method, from the Paediatric patients registered for heart transplant on a urgent list in the 3 year period.	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better		1 April 2011 to 31 March 2014			
HLT09ai	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 1 year survival rate (%) from listing for heart transplantation - (adults).	Estimated using Cox proportional hazards regression. Number of adult patients (18+) survived after their first registration for heart transplantation after 1 year in the UK within the 4 year period.	Number of adult patients (18+) had their first registration for heart transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.	1 January 2005 to 31 December 2016			
HLT09aai	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 5 year survival rate (%) from listing for heart transplantation - (adults).	Estimated using Cox proportional hazards regression Number of adult patients (18+) survived after their first registration for heart transplantation after 5 year in the UK within the 4 year period	Number of adult patients (18+) had their first registration for heart transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.	1 January 2005 to 31 December 2016			
HLT09aiii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 10 year survival rate (%) from listing for heart transplantation - (adults).	Estimated using Cox proportional hazards regression Number of adult patients (18+) survived after their first registration for heart transplantation after 10 year in the UK within the 4 year period	Number of adult patients (18+) had their first registration for heart transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.	1 January 2005 to 31 December 2016			

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HLT09bi	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 1 year survival rate (%) from listing for lung transplantation - (adults).	Estimated using Cox proportional hazards regression Number of adult patients (18+) survived after their first registration for lung transplantation after 1 year in the UK within the 4 year period	Number of adult patients (18+) had their first registration for lung transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.		1 January 2005 to 31 December 2016		
HLT09bii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 5 year survival rate (%) from listing for lung transplantation - (adults).	Estimated using Cox proportional hazards regression Number of adult patients (18+) survived after their first registration for lung transplantation after 5 year in the UK within the 4 year period	Number of adult patients (18+) had their first registration for lung transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.		1 January 2005 to 31 December 2016		
HLT09biii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		Risk adjusted 10 year survival rate (%) from listing for lung transplantation - (adults).	Estimated using Cox proportional hazards regression Number of adult patients (18+) survived after their first registration for lung transplantation after 10 year in the UK within the 4 year period	Number of adult patients (18+) had their first registration for lung transplantation in the UK within the 12 year period	12 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Survival time was defined as the time from joining the transplant list to death, regardless of whether or not the patient was transplanted. Survival time was censored at either date or removal from the list, or at the last known follow-up date post transplant when no death date was recorded, or at time of analysis if the patient was still active on the transplant list.		1 January 2005 to 31 December 2016		
HLT12ai	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		30 day survival rate (%) - post Heart Transplant (adults).	Estimated using Kaplan Meier method Number of adult patients survived after their first heart transplantation for 30 days in the UK within the 4 year period	Number of adult patients had their first heart transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT12aii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		30 day survival rate (%) - post Heart Transplant (paediatrics).	Estimated using Kaplan Meier method Number of paediatric patients survived after their first heart transplantation for 30 days in the UK within the 4 year period	Number of paediatric patients had their first heart transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT12bi	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		90 day survival rate (%) - post Lung Transplant (adults).	Estimated using Kaplan Meier method Number of adult patients survived after their first lung transplantation for 30 days in the UK within the 4 year period	Number of adult patients had their first lung transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT12bii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		90 day survival rate (%) - post Lung Transplant (paediatrics).	Estimated using Kaplan Meier method Number of paediatric patients survived after their first lung transplantation for 30 days in the UK within the 4 year period	Number of paediatric patients had their first lung transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT13ai	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		1 year survival rate (%) - post Heart Transplant (adults).	Estimated using Kaplan Meier method Number of adult patients survived after their first heart transplantation for 1 year in the UK within the 4 year period	Number of adult patients had their first heart transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT13aii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		1 year survival rate (%) - post Heart Transplant (paediatrics).	Estimated using Kaplan Meier method Number of paediatric patients survived after their first heart transplantation for 1 year in the UK within the 4 year period	Number of paediatric patients had their first heart transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT13bi	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		1 year survival rate (%) - post Lung Transplant (adults).	Estimated using Kaplan Meier method Number of adult patients survived after their first lung transplantation for 1 year in the UK within the 4 year period	Number of adult patients had their first lung transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT13bii	Domain 3: Helping people to recover from episodes of ill health or following injury.	Outcome Measure	Survival Rate		1 year survival rate (%) - post Lung Transplant (paediatrics).	Estimated using Kaplan Meier method Number of paediatric patients survived after their first lung transplantation for 1 year in the UK within the 4 year period	Number of paediatric patients had their first lung transplantation in the UK within the 4 year period	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better			1 April 2012 to 31 March 2016		
HLT15	Domain 4: Ensuring that people have a positive experience of care.	Process Measure	Use of mechanical circulatory support		Use of mechanical circulatory support for primary graft failure within 30 days of cardiac transplant.	As per cardiothoracic transplantation annual report	As per cardiothoracic transplantation annual report	4 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Higher is better	Future metric Data in development with NHSBT				

Indicator Reference Number	Domain	Theme	Measure	Rationale	Name of Indicator / Description	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Interpretation Guidance	Notes_1	Q1	Q2	Q3	Q4
HLT29i	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Transplant post VAD implant		Proportion of patients who receive transplant within 1 year of VAD implant (adults).	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant and received a transplant within one year since first implant.	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant	5 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better			1 April 2012 to 31 March 2017		
HLT29ii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Transplant post VAD implant		Proportion of patients who receive transplant within 2 years of VAD implant (adults).	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant and received a transplant within two year since first implant.	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant	5 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	Future metric Data in development with NHSBT				
HLT29iii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Transplant post VAD implant		Proportion of patients who receive transplant within 5 years of VAD implant (adults).	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant and received a transplant within five year since first implant.	Number of adult patients who had a long-term VAD as their first device with the intention of bridging to transplant	15 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	Future metric Data in development with NHSBT				
HLT30ai	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (adults) - Heart (including cardiac blocks).	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		
HLT30aii	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (adults) - Bilateral Lungs (including cardiac blocks).	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		
HLT30aiii	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (adults) - Single Lung only.	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		
HLT30bi	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (paediatrics) - Heart (including cardiac blocks).	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		
HLT30bii	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (paediatrics) - Bilateral Lungs (including cardiac blocks).	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		
HLT30biii	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm.	Outcome Measure	Donor offers		Proportion of declined or accepted but not transplanted offers (paediatrics) - Single Lung only.	N/A	N/A	3 year rolling	Annual	(External Data Source) - NHSBT	(External Data Source) - NHSBT	Lower is better	The reported offer decline rate has excluded fast track offer, and it is defined as the proportion of declined or accepted but not transplanted offers, over all offers that were eventually transplanted.		1 April 2014 to 31 March 2017		

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