

Heart and Lung Transplantation Quality Dashboard 2016/17

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
HLT05ai	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Adults)		Median waiting time from registration to heart transplant (adults) - routine.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
HLT05aii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Paediatrics)		Median waiting time from registration to heart transplant (paediatrics) - routine.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
HLT05aiii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Lung Transplant Waiting Times (Adults)		Median waiting time from registration to lung transplant (adults) - routine.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
HLT05aiv	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Lung Transplant Waiting Times (Paediatrics)		Median waiting time from registration to lung transplant (paediatrics) - routine.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
HLT05bi	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Adults)		Median waiting time from registration to heart transplant (adults) - urgent.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
HLT05bii	Domain 4: Ensuring that people have a positive experience of care.	Outcome Measure	Heart Transplant Waiting Times (Paediatrics)		Median waiting time from registration to heart transplant (paediatrics) - urgent.	Median waiting time 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	NHSBT	NHSBT	Lower is better	
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	NHSBT	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.
HLT09aii	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	NHSBT	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.
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	NHSBT	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.
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	NHSBT	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.
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	NHSBT	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.
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	NHSBT	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.

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	NHSBT	NHSBT	Higher is better	
HLT12aai	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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	
HLT13aai	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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	
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	NHSBT	NHSBT	Higher is better	Future metric Data in development with NHSBT
HLT24i	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	10 year rolling	Annual	NHSBT	NHSBT	Lower is better	
HLT24ii	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	10 year rolling	Annual	NHSBT	NHSBT	Lower is better	Future metric Data in development with NHSBT
HLT24iii	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	10 year rolling	Annual	NHSBT	NHSBT	Lower is better	Future metric Data in development with NHSBT
HLT28ai	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).	Number of adult heart offers (including cardiac block) declined or accepted but not transplanted by the UK adult heart transplant centres.	Number of adult heart (including cardiac block) offers made to the UK adult heart transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.
HLT28aai	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).	Number of adult bilateral lung (including cardiac block) offers declined or accepted but not transplanted by the UK adult lung transplant centres.	Number of adult bilateral lung (including cardiac block) offers made to the UK adult lung transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.
HLT28aaii	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.	Number of adult single lung offers declined or accepted but not transplanted by the UK adult lung transplant centres.	Number of adult single lung offers made to the UK adult lung transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.
HLT28bi	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).	Number of paediatric heart offers (including cardiac block) declined or accepted but not transplanted by the UK paediatric heart transplant centres.	Number of paediatric heart (including cardiac block) offers made to the UK paediatric heart transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.

HLT28bii	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).	Number of paediatric bilateral lung (including cardiac block) offers declined or accepted but not transplanted by the UK paediatric lung transplant centres.	Number of paediatric bilateral lung (including cardiac block) offers made to the UK paediatric lung transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.
HLT28biii	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.	Number of paediatric single lung offers declined or accepted but not transplanted by the UK paediatric lung transplant centres.	Number of paediatric single lung offers made to the UK paediatric lung transplant centres, excluding FastTrack offers and offers that were not resulted in transplant.	3 year rolling	Annual	NHSBT	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.

Data collection has been approved by the Review of Central Returns - ROCR  
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