

**NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE**

PANCREAS ADVISORY GROUP

ISOLATION STATISTICS

SUMMARY

INTRODUCTION

- 1 Information on islet isolations performed by isolation centres has previously been provided directly from the isolation centres. It was requested at the PAGISG meeting in October 2016 that this information be reported by NHS Blood and Transplant in the future.
- 2 This paper provides information on the outcome of pancreases retrieved with the intention to transplant as pancreas islets and includes a summary by islet isolation centre.

DATA

- 3 Data on 128 donors between 1 January and 31 December 2017 whose pancreas was taken and accepted for islet transplantation were analysed from the UK Transplant Registry (UKTR).
- 4 In cases where the islet page of the Pancreas Donor Information (PDI) form was not returned or returned but not completed fully then other sources of data were used to indicate if isolation had taken place, including the reason for non-use recorded by the ODT Hub Operations (formally Duty Office).

RESULTS

- 5 Of the 128 donors analysed, the islet page of the PDI form was returned in 106 (83%) cases. Of the 122 organs indicated to have arrived at an isolation centre, 120 were indicated to have been used for isolation and 110 (92%) had isolation completed. Of these 110 completed isolations, 27 resulted in transplantation giving a conversion rate of 25%.

ACTION

- 6 Members are asked to review and comment on the content of the paper. Centres are asked to ensure that the islet page of the PDI form is completed fully and returned to ODT Hub Information Services.

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INTRODUCTION

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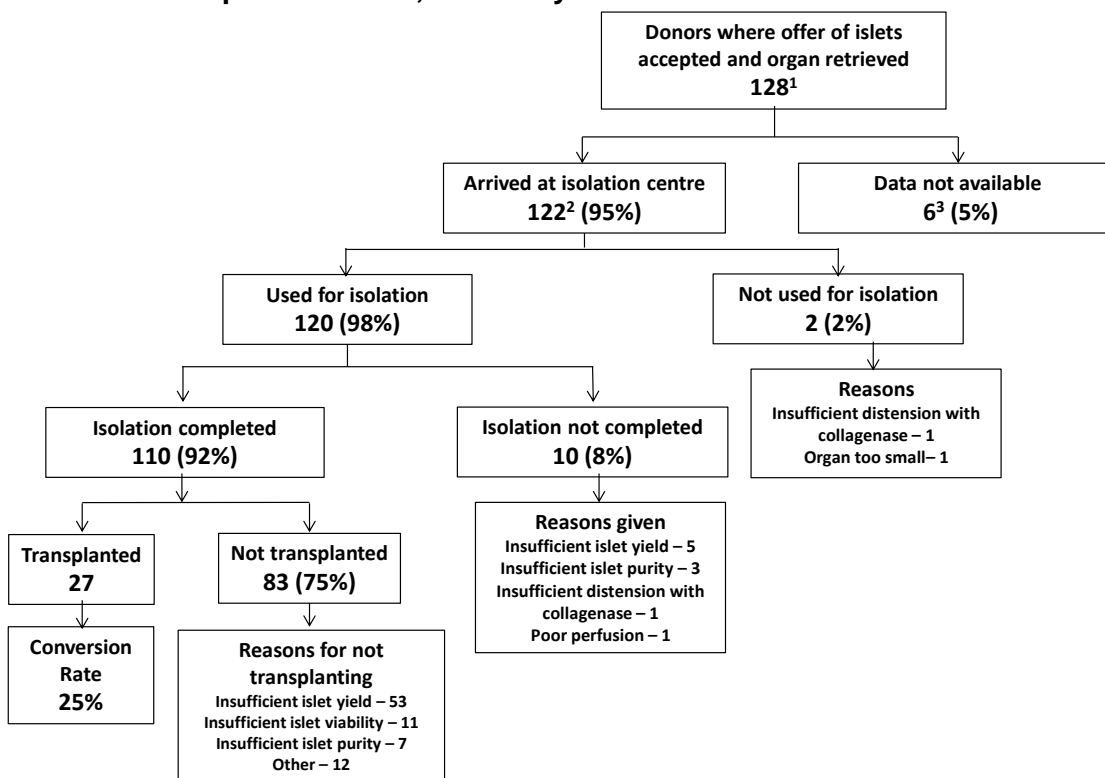
DATA

- 9 Data on 128 donors between 1 January and 31 December 2017 whose pancreas was taken and accepted for islet transplantation were analysed from the UK Transplant Registry (UKTR). Information from the islet isolation page of the pancreas donor information (PDI) form was used to identify those pancreases arriving at an isolation centre and whether the pancreas was isolated and subsequently transplanted.
- 10 In cases where the islet page of PDI form was not returned or returned but not completed fully then other sources of data were used to indicate if isolation had taken place, including the reason for non-use recorded by the ODT Hub Operations (formally Duty Office).

RESULTS

- 11 Of the 128 donors analysed, the islet page of the PDI form was returned in 106 (83%) cases. Of the 22 donors where a form was not completed, six had resulted in an islet transplant and in a further 10 cases the reason for non-use indicated that isolation was completed. For the final six cases it was unclear whether the organ was received at an isolation centre as the reasons for non-use were 'lump on pancreas', 'isolation lab too busy' 'Organ damaged', 'HLA/ABO type', 'No suitable recipients', 'Organ unsuitable for transplant'.
- 12 **Figure 1** shows the outcome for all the 128 donors where the pancreas was accepted and retrieved with the intention to transplant as islets. Of the 128, 120 were indicated to have been used for isolation and 110 (92%) had isolation completed. Of the 110, 27 resulted in transplantation giving a conversion rate of 25%. Of the remaining 83 completed isolations, 53 (65%) were not transplanted due to insufficient islet yield.

Figure 1 Outcome of pancreas donors where organ was retrieved with the intention to transplant as islets, 1 January – 31 December 2017



¹ Includes 22 cases where pancreas donor information form was not received

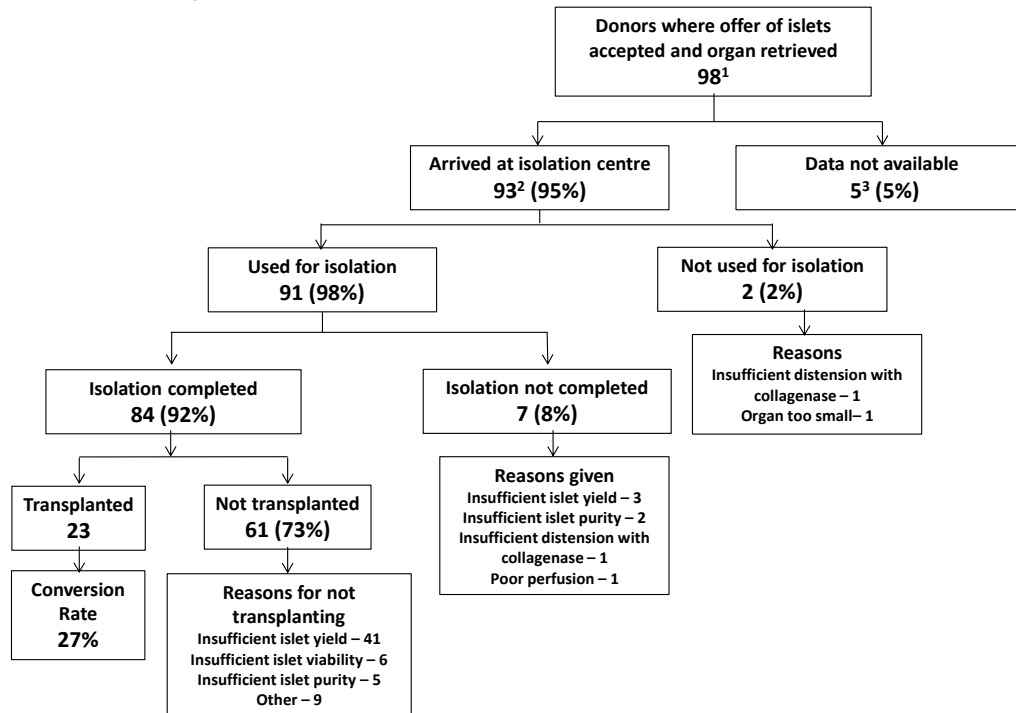
² Includes 16 cases where form not received and other sources of information have been used to categorise the donors.

³ Includes 6 cases where form not received and information from other sources could not clearly identify if organ was received by isolation centre.

13 **Figures 2 and 3** show similar information to Figure 1, but separately for those donors who were first offered for islet patients and those first offered for whole transplantation.

14 The proportion of organs where isolation was completed was similar between the two groups 92% and 90% for those donors first offered to an islet patient and first offered to a whole patient, respectively. The conversion rate was higher in the group where the donor was first offered to an islet patient, 27% compared with 15%.

Figure 2 Outcome of pancreas donors where organ was retrieved with the intention to transplant as islets and donor was offered to an islet patient first, 1 January – 31 December 2017

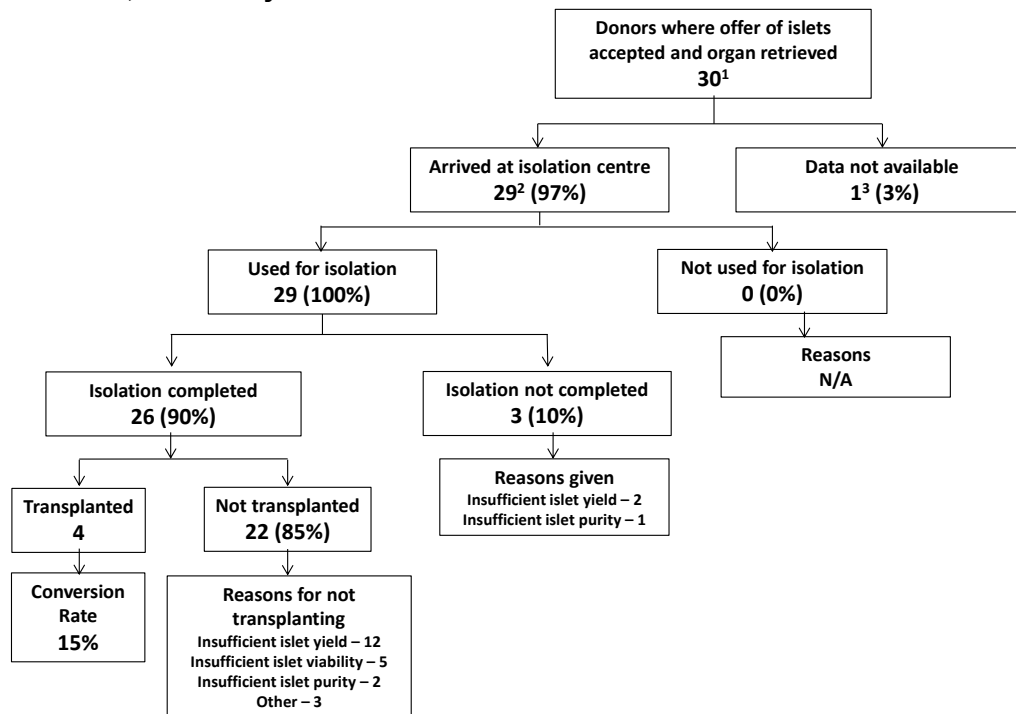


¹ Includes 17 cases where pancreas donor information form was not received

² Includes 12 cases where form not received and other sources of information have been used to categorise the donors

³ Includes 5 case where form not received and information from other sources could not clearly identify if organ was received by isolation centre

Figure 3 Outcome of pancreas donors where organ was retrieved with the intention to transplant as islets and donor was offered to a whole pancreas patient first, 1 January – 31 December 2017



¹ Includes 5 cases where pancreas donor information form was not received

² Includes 4 case where form not received and other sources of information have been used to categorise the donors

³ Includes 1 case where form not received and information from other sources could not clearly identify if organ was received by isolation centre

- 15 **Table 1** shows information on the 122 organs indicated to have arrived at an isolation centre, by the centre as reported on the islet page of the PDI form. This table includes 16 cases where the form was not returned or the isolation centre was not reported on the form but the isolation centre has been found by looking through ODT Hub Operations notes.

Islet isolation centre	Arrived at centre	Isolation started		Isolation completed ²	
	N	N	(%)	N	(%)
Edinburgh	28	27	(96.4)	27	(100)
King's College	44	44	(100)	42	(95.5)
Oxford	50	49	(98.0)	41	(83.7)
TOTAL	122¹	120	(98.4)	110	(91.7)

¹ Excludes seven cases where a form was not returned and unclear if the pancreas arrived at an isolation centre
² Isolation completion usually reflects the quality of the pancreas being processed

ACTION

- 16 Members are asked to review and comment on the content of the paper. Centres are asked to ensure that the islet page of the PDI form is completed fully and returned to ODT Hub Information Services.