

**Research, Innovation and Novel Technologies Advisory Group  
1<sup>st</sup> November 2022.**

**Increasing the Number of Organs Available for Research (INOAR)**

**1. Status – Public**

**2. Executive Summary**

2.1 On the 13<sup>th</sup> January, 2021 the INOAR project ‘went live’. SNs in QUOD-licensed hospitals in England, Northern Ireland and Wales and all hospitals in Scotland now discuss the opportunity with donor families to consent or provide consent/authorisation to the removal and storage of the Heart, Lungs and Diabetic Pancreas for research.

2.2 Data from the INOAR project had been collected and analysed from Jan 2021-Oct 22.

**3. Action Requested**

3.1 Note the data pertaining to INOAR organs offered, accepted and removed to date. (See Appendix 1)

In summary 446 INOAR organs have been offered for research, of which 191 have been accepted and 135 removed for the purpose of research, resulting in an overall acceptance rate of 43% and a 30% utilisation rate. (Please see appendix for organ specific data).

**4. Background**

4.1 Utilising the Liverpool Research HTA Licence to remove organs for research has increased the number of organs available for research.

4.2 In addition, the following benefits are achieved:

- Reduction in the complexities of the consent process for families
- Reduction in the complexities of the consent process for SNODS
- A more consistent and transparent research allocation system
- Reduction in the complexities for researchers by reducing the requirement for specific HTA licences

**5. Update**

5.1 Heart acceptance and removal remains a concern since the launch of INOAR.

5.2 Some researchers report that hearts that have not been perfused with insitu preservation solution are not suitable for their research studies and are therefore not able to accept hearts for research.

5.3 Researchers report that their preference is for perfused and packaged hearts retrieved by the cardiothoracic NORs team (same standard as hearts removed for the purposes of transplantation).

5.4 Cambridge and Edinburgh Abdo Team are about to go live with their Heart perfusion protocol. A full evaluation of the protocol will be undertaken once the abdo teams have removed a total of 10 perfused hearts for research,(see Appendix 2).

5.5 To acknowledge the 2<sup>nd</sup> anniversary of the implementation of INOAR a full stakeholder engagement day is planned for January 2023 to look at what has gone well, and what can we potentially do differently to improve utilisation rates after families have generously given consent to INOAR.

### Author

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### Appendix 1.

Month	Total Number of INOAR Organs Offered	Total INOAR Organs Accepted	Total INOAR Organs Removed
Jan-21	6	3	1
Feb-21	14	6	4
Mar-21	25	8	2
Apr-21	24	10	7
May-21	28	15	9
Jun-21	33	16	11
Jul-21	15	10	8
Aug-21	20	8	6
Sep-21	15	12	9
Oct-21	24	11	8
Nov-21	24	13	7
Dec-21	34	8	5
Jan-22	22	8	6
Feb-22	22	8	7
Mar-22	20	9	7
Apr-22	16	5	4
May-22	15	9	7
Jun-22	17	6	5
Jul-22	21	8	7
Aug-22	23	5	5
Sep-22	28	13	10
<b>Total</b>	<b>446</b>	<b>191</b>	<b>135</b>

1.a The table above contains the overall data for all INOAR Organs offered, accepted, and removed for research since INOAR went live in January 2021.

Month	Number INOAR Hearts offered	INOAR Hearts Accepted	INOAR Hearts Removed
Jan-21	3	0	0
Feb-21	8	1	0
Mar-21	13	0	0
Apr-21	14	2	0
May-21	16	6	5
Jun-21	18	7	5
Jul-21	6	3	2
Aug-21	8	2	2
Sep-21	4	1	1
Oct-21	11	1	1
Nov-21	11	3	1
Dec-21	18	3	3
Jan-22	10	1	1
Feb-22	13	2	1
Mar-22	11	1	1
Apr-22	9	2	1
May-22	8	2	1
Jun-22	13	3	3
Jul-22	10	0	0
Aug-22	14	1	1
Sep-22	11	2	2
<b>Total</b>	<b>229</b>	<b>43</b>	<b>31</b>

1.b The table above contains data on the number of INOAR Hearts offered, accepted, and removed for research. A total of 229 Hearts have been offered, of which 43 accepted for research (19% acceptance rate), and 31 removed (14% utilisation rate).

Month	Number INOAR Lungs offered	INOAR Lungs Accepted	INOAR Lungs Removed
Jan-21	3	3	1
Feb-21	6	5	4
Mar-21	11	7	1
Apr-21	7	5	4
May-21	8	6	3
Jun-21	7	5	3
Jul-21	5	4	3
Aug-21	9	4	2
Sep-21	3	3	1
Oct-21	6	4	4
Nov-21	9	7	3
Dec-21	9	2	0
Jan-22	7	4	2
Feb-22	7	4	4
Mar-22	3	2	1
Apr-22	4	2	2
May-22	5	5	4
Jun-22	4	3	2
Jul-22	7	5	4
Aug-22	7	3	3
Sep-22	9	5	3
<b>Total</b>	<b>136</b>	<b>88</b>	<b>54</b>

1.c The table above contains data on the number of INOAR Lungs offered, accepted, and removed for research.

A total of 136 Lungs have been offered, of which 88 accepted for research (65% acceptance rate), and 54 removed (40% utilisation rate).

Month	Number INOAR Diabetic Pancreas offered	INOAR Diabetic Pancreas Accepted	INOAR Diabetic Pancreas Removed
Jan-21	0	0	0
Feb-21	0	0	0
Mar-21	1	1	1
Apr-21	3	3	3
May-21	4	3	1
Jun-21	8	4	3
Jul-21	4	3	3
Aug-21	3	3	2
Sep-21	8	8	7
Oct-21	7	6	3
Nov-21	4	3	3
Dec-21	7	3	2
Jan-22	5	3	3
Feb-22	2	2	2
Mar-22	6	6	5
Apr-22	3	1	1
May-22	2	2	2
Jun-22	0	0	0
Jul-22	4	3	3
Aug-22	2	1	1
Sep-22	8	6	5
<b>Total</b>	<b>81</b>	<b>61</b>	<b>50</b>

1.d The table above contains data on the number of INOAR diabetic pancreas offered, accepted, and removed for research. A total of 81 diabetic pancreas have been offered, of which 61 accepted for research (75% acceptance rate), and 50 removed (62% utilisation rate).