

Guidance for licence
holders for reporting
serious adverse events and
serious adverse reactions in
relation to quality and
safety of organs intended
for transplantation

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#### Introduction

This document provides guidance on the statutory requirement of reporting serious adverse events and serious adverse reactions (SAEARs) under the Quality and Safety of Organs Intended for Transplantation Regulations 2012, as amended (the Regulations).

The HTA directs under Regulation 11 that the time period for notifying serious adverse events and reactions (i.e. the initial report) to NHSBT must be within 24 hours of the discovery of the SAE or SAR by the licence holder. In cases where an urgent notification and recall is required, the establishment must telephone the Organ Donation and Transplantation (ODT) Hub Operations (0117 9757580) immediately upon discovery of the SAE or SAR. Urgent notification would be required in cases where there are potential implications for other recipients.

 The HTA directs under Regulation 6 that all records associated with the SAE or SAR must be retained for 30 years after donation.

# The SAEARs reporting system serves two primary functions:

- To raise an alert if there is any unexpected complication or if there are any concerns noted during procedures related to organ donation, particularly if other recipients or living donors may be at risk;
- To ensure the quality and safety of organs during the entire chain, from donation to transplantation, by requiring SAEARs to be reported and investigated, and corrective and preventative measures implemented.

# This guidance includes:

- 1. <u>Definitions of reportable SAEARs</u>
- 2. Roles and responsibilities, and procedures for notification and management of SAEARs
- 3. Examples of SAEARs

# Definitions of Serious Adverse Events and Serious Adverse Reactions

#### **Serious Adverse Events**

- A serious adverse event (SAE) is defined in the Regulations as 'any undesired and unexpected occurrence associated with any stage of the chain, from donation to transplantation, that might lead to the transmission of a communicable disease; to death or life-threatening, disabling or incapacitating conditions for patients; or which results in, or prolongs, hospitalisation or morbidity'.
  - SAEs that may influence the quality and safety of an organ, and that may be attributed to the testing, characterisation, procurement, preservation and transport of organs, must be reported and investigated.

#### **Serious Adverse Reactions**

- 2. A serious adverse reaction (SAR) is defined in the Regulations as 'an unintended response, including a communicable disease, in the living donor or in the recipient that might be associated with any stage of the chain, from donation to transplantation, that is fatal, life-threatening, disabling, incapacitating, or which results in, or prolongs, hospitalisation or morbidity'.
  - SARs observed during or after transplantation, which may be connected to the testing, characterisation, procurement, preservation and transport of organs, must be reported and investigated.

# Roles, responsibilities, and procedures for notification and management for retrieval and transplant centres

- 3. The requirement to report SAEARs applies to all establishments licensed under the Regulations.
- 4. Any SAEAR relating to donor characterisation must be reported to NHSBT.
- Although not directly licensed by the HTA, any SAEAR in relation to donor or organ characterisation which involves a testing laboratory must be reported. It is the responsibility of the licence holder to report SAEARs directly to NHSBT; however, laboratories are also able to report to NHSBT.
- 6. Exchange of organs between different countries is one way of increasing the number of organs available. Advances in organ preservation and transport techniques can only serve to increase the number of organ exchanges that take place. Organs should be able to cross borders without unnecessary problems and delays. Organs sent outside of the UK must be accompanied by information for the receiving establishment on how to report any SAEARs following transplantation or which may relate to donation, characterisation, retrieval, preservation, or transport carried out in the UK.
- 7. It is a **statutory condition** of the licence for the procurement activity of retrieval of an organ, that licence holders must have suitable arrangements in place to endeavor to follow-up living organ donors. Licence holders involved in living donation must provide information to living donor and recipient referral centres on how to identify and report any SAEARs that may result from a donation or transplant. This is particularly relevant for donors from overseas who travel to the UK to donate.
- 8. All SAEARs must be reported, and licence holders are expected to collaborate fully in the investigation of a suspected SAEAR, including the submission of a follow up report. This should be provided within 90 days of reporting the SAEAR and should

include the corrective and preventative actions taken or planned to prevent or mitigate reoccurrence. Where it is not possible to submit a follow up report within 90 days, NHSBT will liaise with the HTA.

- The system of reporting and investigating SAEARs is managed by NHSBT on behalf
  of the HTA, as an assisted function. Any suspected SAEARs should be <u>reported to</u>
  <u>NHSBT using the online incident reporting system</u>.
- 10. Further information on how to report SAEARs can be found in <a href="NHSBT's procedure on Reporting">NHSBT's procedure on Reporting an Organ Donation or Transplantation Incident</a>.
- 11. All SAEARs must be reported within 24 hours of discovery by the licence holder. In cases where an urgent notification is required, the establishment must telephone ODT Hub Operations 0117 9757580 immediately upon discovery. The telephone call must be followed up by an online submission of a report form detailing any immediate actions taken. Such urgent notification would be required in cases where there are potential implications for other recipients.
- 12. NHSBT will inform the HTA of any SAEARs that have been reported, of the steps being taken to manage the SAEAR, and to confirm when all actions associated with the SAEAR have been concluded, by submitting a follow up report.

A follow up report should include:

- All relevant and necessary information as set out in the pro-forma template
  provided to NHSBT by the HTA. This includes all information concerning SAEs
  that may influence the quality and safety of organs, and that may be attributed
  to the testing, characterisation, procurement, preservation and transport of
  organs, as well as any SAR observed during or after transplantation, which may
  be connected to those activities.
- The management measures taken with regard to SAEs or SARs, ensuring that staff responsibilities for the management of SAEARs are clearly defined, and that immediate actions have been taken.

- 13. Under the current service level agreement with NHSBT, the NHSBT participates in regular meetings with the HTA to discuss relevant reported incidents and those which were reported as SAEARs.
- 14. As NHSBT manages the SAEARs reporting system on behalf of HTA, there is no requirement for licence holders to report directly to the HTA. However, if the licence holder or any party involved in a SAEAR has concerns relating to a potential conflict of interest involving NHSBT and a specific event or reaction, they can contact the HTA directly by emailing <a href="mailto:licensing.enquiries@hta.gov.uk">licensing.enquiries@hta.gov.uk</a>. In cases where a conflict of interest is confirmed, the HTA may take on the responsibility for overseeing the investigation.
- 15. In certain cases, following a report of a SAEAR and where justified on the basis of risk to the quality and safety of organs, the HTA may initiate an audit of a licence holder.
- 16. The HTA retains responsibility for liaising with authorities in other countries, and government bodies, and for issuing any regulatory alerts to licence holders. However, NHSBT may assist as appropriate.

## Safety of Blood, Tissues and Organs Guidance (SaBTO)

- 17. In order to promote good practice in organ transplantation, the HTA advises establishments to review guidance provided by expert independent committees such as SaBTO who advise the UK Government and Devolved Administrations on the safety of organs, tissues and cells for transplantation. <a href="SaBTO guidelines">SaBTO guidelines</a> and recommendations help to identify and minimise the risk of transmissible infections and malignancies and provide risk management options which surgeons can use to help decide whether or not to accept an organ for transplantation.
- 18. SaBTO guidance can also result in the introduction of control measures, in cases of emerging infection risks, or the phasing out of control measures when the risk to patients are no longer regarded as significant. SaBTO takes steps to ensure that its guidance is consistent with legislation on blood, tissues, cells, and organs.

# **NHSBT** clinical microsite

- 19. Further information on the clinical aspects of organ transplantation can be found on the <a href="NHSBT ODT clinical microsite">NHSBT ODT clinical microsite</a>.
- 20. Detailed information on the statutory requirements relating to SAEARs can be found in the <u>HTA framework document</u>.

## **Examples of SAEARs**

21. The following are examples of potential SAEARs; this list is not exhaustive but illustrative of a range of reportable SAEARs. There are also examples of when a serious adverse event becomes reportable as a serious adverse reaction.

