

# "Vigilance and Inspection for the Safety of Transfusion, Assisted Reproduction and Transplantation" – VISTART

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Deliverable 5.1 - How to select and prepare SARE cases of didactic value for insertion in the Notify Library - a user guide for Competent Authorities

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### 1. INTRODUCTION

Work Package 5 - Part A of VISTART Joint Action (JA) aims at increasing the involvement of European Union (EU) Member State (MS) Competent Authorities (CAs) in the WHO didactic tool developed and managed by CNT: the Notify Library of adverse occurrences in transfusion, transplantation and assisted reproduction (see link: <a href="www.notifylibrary.org">www.notifylibrary.org</a>). The Notify Library is an open access database of reliably documented didactic cases of adverse occurrences arising from the donation, preparation or clinical application of Substances of Human Origin (SoHOs), from donation to follow-up of donors and recipients. Cases are analysed, linked to their source reference (scientific publications, formal vigilance programmes) and regularly updated by editorial groups of international experts in the fields of transplantation, transfusion and assisted reproduction.

The main objective of the Notify Library is to share published vigilance information for teaching purposes as widely as possible, to build knowledge and create awareness. Sharing the lessons learned from adverse outcomes can allow significant process improvements for the greater protection of donors and patients. These benefits apply where the incident occurred but also anywhere else where an identical or similar incident might occur. The purpose of the Notify Library is not to be a register of registries but to be a comprehensive tool, describing all types of reactions or events that might have didactic value and assist in the estimation of risk.

These Guidelines provide instructions to facilitate EU CAs in the selection and analysis of case types with didactic value from their annual SARE reports to the European Commission for insertion in the Notify Library. The Working Group will support MS CAs to use this didactic tool in order to improve their vigilance investigation activities (policy making, risk assessment, unusual donor suitability questions, training, etc). Editorial Groups (EG) of Experts will be asked to each review their topic-specific records for accuracy and to add missing information and expert comments, where possible. The CA that submitted the record will review and approve any comments or information added by the EG before publication.

## 1.1 Selection criteria

A case is suitable for inclusion in the Notify Library when it:

- offers a description of an adverse occurrence that has caused harm to a donor or a recipient of a substance of human origin (SoHO), or to a fetus or embryo created through gamete or embryo donation, <u>OR</u>
- offers a description of an adverse occurrence has represented a risk of harm, <u>AND</u>
- is reliably documented in the scientific, clinical or legal literature or in a formal vigilance programme, <u>AND</u>
- has **didactic value** (for example: uncommon/unexpected event, unusual signals or severity, assists in the estimation of risk for donation or clinical application, etc.).

Figure 1 summarises the steps from the case selection to its submission to the Notify Library. Examples of "triggers" that could assist CAs to recognise a relevant case with learning points are listed below (at least one trigger should be present). Subsequently, a specific Notify Library search will be useful to decide if the case is suitable for inclusion in the Library's database. You could search by adverse occurrence type, by keyword or by free text. If you consider that the new case provides didactic value that is different to any existing database record, proceed to propose it.

## TRIGGERS FOR CAs

- Is it a case you would specially highlight in your report or annual summary (either a new type of case or an unusual cause, etc.)?
- Was the occurrence detected, investigated or proven in an unusual or new way that is useful for others to know?
- Is it a case that pointed out the need to implement corrective or preventive actions that change part of the procedure?
- Are there several cases of a particular kind of complication (and previously you have not seen such cases in a cluster)?

NOTIFY LIBRARY SEARCH Search by adverse occurrence type, by keyword or by free text to see if a similar case already
exists in the Library. If so, does your case add new and important information not previously
available in the library record?

CASE SUBMISSION

- YES: if this type of case has not been previously reported in the Library, or if your case adds new and important information
- YES: if you have several cases but the information in the Library does not show that these cases happen with some regularity
- NO: if there are several similar records or case series or review publication(s) already in the Library

Fig. 1: Steps from the case selection to its submission to the Notify Library

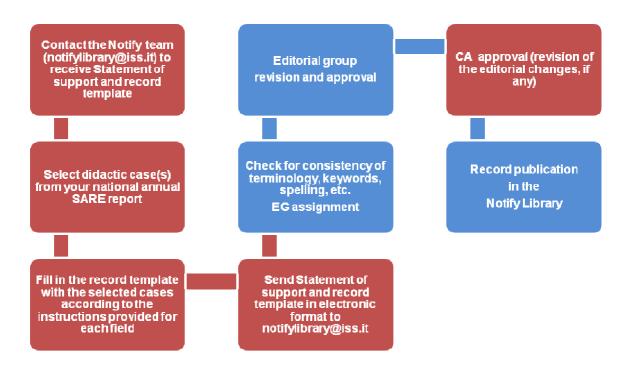
## 1.2 What constitutes a Notify record?

The description of an adverse occurrence in transfusion, transplantation or assisted reproduction that has been documented in scientific or grey literature or in an official vigilance system and has didactic value constitutes a Notify record. Expert analysis focuses in particular on how the adverse occurrence was recognised and how it is shown to have been associated with the donation, process or clinical application of the SoHO. A unique record ID number will refer to a specific Notify record once linked to its source reference and uploaded in the Notify Library (see Annex 4.6 for case examples). Each record in the Notify Library describes a type of adverse occurrence for one type of substance (Medical Product of Human Origin, MPHO) (Annex 4.6.1). CAs submitting records for inclusion in the Notify Library's database should make two records for the same type of occurrence with the same MPHO if they consider that are substantially different from each other in terms of cause, method of confirmation of imputability or any other factor that is considered to have major didactic value (Annex 4.6.2). Where one record describes many cases, the experts should summarise the findings using ranges, averages, etc. (Annex 4.6.3).

### 2. WORKFLOW AND EDITORIAL PROCESS

The Notify team will carry out a check of every record for consistency (terminology, spelling, etc.) and will assign it to an EG (there are currently 5: infection transmissions, malignancy transmissions, living donor reactions, process, clinical complications including transfusion reactions not covered by the other groups). All records will be reviewed and approved by the specific EG. A final revision and approval by the CA is requested before publication. Up to that point, all work on pending cases is invisible to the public.

Figure 2 summarises the workflow from the record submission to its publication in the Notify Library. The following sections provide users with more detailed instructions for the operational steps to follow.



**Fig. 2:** Workflow and editorial process (actions highlighted in red, CAs; in blue, Notify team and Editorial groups)

## 2.1 Statement of support, data protection and confidentiality

By signing the Notify Library Statement of Support (Annex 4.1) regarding the provision of selected data from your national vigilance system you will officially contribute to the content of the Notify Library. There are two ways of referencing the submitted cases: for CAs who want their report to stay confidential it will be referenced as: "European Union Annual Vigilance Report, year ..."; alternatively, the specific official Health Authority vigilance programme will be specified. The statement of support should be filled just once. Only the deviation from the default referencing option should be highlighted in the reference field of the record template (see also section n. 3.10).

The completed form should be returned by email to notifylibrary@iss.it. CNT and the Notify team will take the responsibility to anonymise, when asked, all stakeholders (CA, hospitals, tissue establishments, blood banks, etc.), and will consider the information provided as confidential data accessible only to Notify experts for editorial work before publication in the Notify Library.

### 3. PROPOSING A CASE FOR SUBMISSION IN THE NOTIFY LIBRARY: RECORD TEMPLATE

For consistency reasons, and to allow the transfer of information to the editorial tool of the Notify Library website avoiding transcription errors, it is necessary to standardise the way in which the data is presented.

<u>Please refer to the Notify record template (Annex 4.2). The form should be completed in the following fields (\*required fields, minimum data set for proposal submission):</u>

## 3.1 ADVERSE OCCURRENCE DESCRIPTION\*

Please enter here a title that describes the type of adverse occurrence you wish to enter, standardising terminology to what you consider most appropriate, using reference dictionaries, such as MESH, wherever possible.

#### 3.2 ADVERSE OCCURRENCE TYPE

please refer to the Adverse Occurrence taxonomy (Annex 4.3) and select the appropriate term for this type of occurrence. If you consider that new categories should be added to the taxonomy for more effective searching, please propose the new category in the NOTES field.

## 3.3 MPHO TYPE\*

Please refer to the MPHO taxonomy (Annex 4.4) and select the appropriate term for this type of substance. If you consider that a new substance type is needed in the taxonomy, please propose the new category in the NOTES field. Where there is a characteristic of the MPHO that is considered important in the occurrence but is not described in the taxonomy (e.g. method of preservation, microbial inactivation or sterilization, etc.) it is very important to include that information in the keywords (see section n. 3.9 below).

### 3.4 TIME TO DETECTION\*

Please enter the time, in minutes, days, months or years from the adverse occurrence to its detection. In case of more than one occurrence is described, please summarise the findings using ranges, averages, etc.

## 3.5 ALERTING SIGNALS, SYMPTOMS, EVIDENCE OF OCCURRENCE\*

Please enter the signs and symptoms that have been described for that occurrence and substance type.

In the case of adverse occurrences that involve 'Risk of Harm' rather than actual harm, you should describe how the occurrence was detected. Spell out any abbreviations, putting the abbreviation in brackets. Standardise terminology to what you consider most appropriate, using reference dictionaries, such as MESH, wherever possible.

### 3.6 ESTIMATED FREQUENCY\*

Please add this information where quantitative data is available and relevant (for example, inserting a number of occurrences per number of interventions). You can also refer to Eurocet and Council of Europe data (for example, SAR rate for particular tissues/ cells per number of transplants of this type of tissue/cell).

Alternatively, since there is a large variation in epidemiology, in levels of system development and in information available across countries, descriptive information without quantitative data may also have didactic value so please give some idea of frequency from your own experience and knowledge even if imprecise, or use a general term such as 'very rare', 'common', etc.

## 3.7 DEMONSTRATION OF IMPUTABILITY OR ROOT CAUSE\*

Please enter free text to describe the methods used to confirm imputability for this type of occurrence. It will be searchable using keywords. Spell out any abbreviations, putting the abbreviation in brackets. Standardise terminology to what you consider most appropriate, using reference dictionaries, such as MESH, wherever possible. In the case of adverse occurrences that involve 'Risk of Harm' rather than actual harm, you should describe what is considered to be the root cause of the adverse occurrence.

## 3.8 IMPUTABILITY GRADE\*

Select a score for imputability from the "Imputability grade" tab of the record template (provided for consultation also in Annex 4.5). Please note that an imputability score is not applicable for occurrences involving Risk of Harm but no actual harm.

### 3.9 KEYWORDS

Please type one or more keywords for this type of adverse occurrence associated with this type of substance. Include the substance type, the occurrence description, keywords from the 'alerting signals' or 'demonstration of imputability' fields and any other keyword that you think will be useful for free searching. Standardise terminology to what you consider most appropriate, using

reference dictionaries, such as MESH, wherever possible. Please note that the taxonomy does not describe MPHO in great detail; for example, it does not allow the description of how the MPHO is processed or stored, whether it is virally inactivated or if the record refers to autologous, allogeneic, allogeneic-related donation etc. circumstances. Where characteristics such as these are relevant to the occurrence, and you consider that users might search by these attributes, please ensure that they are entered as keywords. The keywords will be linked to this specific adverse occurrence once the record is published by the Notify team.

## 3.10 REFERENCES

Refer to your published annual vigilance report or, if your SARE report is not published please give the name of the vigilance programme. Alternatively, for CAs who want their report to stay confidential it will be referenced as: "European Union Annual Vigilance Report, year ..." (see also section n. 2.1 and Annex 4.1).

### 3.11 EXPERT COMMENTS FOR PUBLICATION

Use this space for didactic comments that will appear on the website when the case is uploaded. All editors are strongly encouraged to use this field for comments on a specific adverse occurrence or substance type in terms of latency, alerting signals, demonstration of imputability, etc., or for any other information that comes from their knowledge and experience. This field will be an additional value of the Notify Library since it represents an invaluable didactic information source. Even if you do not add comments in this section, an editor from an EG may add one which you will subsequently be able to check before publication.

## **3.12 NOTES**

You can use this field as a message board for EG members and/or interaction with the Notify team (text NOT for publication).

The completed form should be returned by email to notifylibrary@iss.it

Please record and share all your comments and practical suggestions from your own experience for improvement to this guide!

## 4. ANNEXES

## 4.1 Notify Library - Statement of support

	Name of Organisation:
	Status of Organisation (circle one):
	Governmental International
	<ul> <li>National Professional Society</li> <li>International Professional Society</li> </ul>
	Other Non-governmental Organisation
	Mission/Key Objectives of the Organisation
	On behalf of the Organization named above, I declare our support for the Notify Project in its objective to collect and share didactic information on adverse outcomes in transplantation, transfusion and assisted reproduction with the aim of improving safety and quality in these fields.
	As we share this objective, we will:
	<ol> <li>provide expertise, as and when available, to help in the identification, review and editing of documente</li> </ol>
	serious adverse reactions and events for inclusion in the Notify Library website ( <a href="www.notifylibrary.org">www.notifylibrary.org</a> ) hoste by the Italian National Transplant Organization (WHO Collaborating Centre for Vigilance of Cells, Tissues and Centre for Vigilance of Cells and Centre for Vigilance
	Organs); 2. disseminate the Notify Library tool among stakeholders (e.g. by putting a link on our website);
	3. give permission for the inclusion of our name and logo on the Notify Library homepage to indicate ou support for the initiative. YES NO
	It is noted that this statement does not extend to the provision of vigilance data or cases from our national vigilance system to the Notify Library.  Regarding the provision of such data:
1	We give our permission for the publication of the provided didactic cases available on our National Vigilance
	Report in the Notify Library;
]	We wish that our National Vigilance Report stays confidential and that all the provided cases are reference
	with a generic term, such as "CA EURO/AMRO/SEARO etc for the year" in order to define the WHO Region's origin and guarantee confidentiality.
	CONTACT PERSON WHO WILL FILL IN Annex A and B
	Name:
	Surname:
	Role in the organization:
	Signature:
	Date:
	PLEASE RETURN THE COMPLETED FORM BY EMAIL TO NOTIFYLIBRARY@ISS.IT

## 4.2 Notify Library - Record template

A .	В	C	U		Stateme	Y LIBRARY nt of Support nnex B	П		v	· K	
Free text - Title describing the case type	Occurrence classification according to the taxonomy	Medical product of human origin type according to the taxonomy. If you consider that new categories should be added to the taxonomy for more effective searching, please propose the new category in the NOTE field	Information on the time from the incident occurrence to its detection	Please enter the signs and symptoms that have been described in the references listed for this type of occurrence. In the case of adverse occurrences that involve 'Risk of Harm' rather than actual harm, you should describe how the occurrence was detected	without quantitative data also have didactic	to confirm imputability for this type of occurrence. In the case of adverse occurrences that involve 'Risk of	Select a score for imputability - please refer to the imputability scale provided	refer to the Editorial Group Review (not to the keywords in the associated articles) - PLEASE SEPARATE THE KEYWORDS BY A	Add one or more references here that are good examples describing the occurrence type for	Use this space for didactic comments that will on the website appear when the case is uploaded	Use this field for internal communication only (text not for publication), as message board for EG members and/or interaction with the NOTIFY team
Adverse occurrence description	Adverse occurrence type	MPHO type	Time to detection	Alerting signals, symptoms, evidence of occurrence	Estimated frequency	Demonstration of Imputability or Root cause	Imputability grade	Keywords	References	Expert comments for publication	NOTE
\$										,	
8											
NEW ADVE	ERSE OCCURRENCE	Imputability gra	de 💯 /			,				4	

## 4.3 Notify Library - Adverse occurrence taxonomy

	ADVERSE OCCURRENCE TAXONOMY				
LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4		
Harm to a recipient	Infection		HIV HBV HCV HTLV		
			West Nile Virus Influenza virus CMV		
		Viral	LCMV EBV HEV Arenavirus		
			Dengue HSV Rabies Parvovirus B19		
		Bacterial	Acinetobacter Alcaligenes Bacillus		
			Bacteroides Bartonella Brucella Citrobacter		
			Chlamydia Clostridium Escherichia		
			Elizabethkingia Enterobacter Enterococcus Hafnia		
			Klebsiella Morganella Mycobacterium		
			Mycoplasma Oerskovia Orientia		
			Propionibacterium Proteus Pseudomonas Serratia		
			Staphylococcus Stenotrophomonas Streptococcus		

		_	Trananama
			Treponema
			Veillonella
			Acremonium
			Apophysomyces
			Arthrographis
			Aspergillus
		Fungal	Candida
		i ungai	Coccidioides
			Cryptococcus
			Histoplasma
			Paecilomyces
			Rhodotorula
			CJD
		Prion	vCJD
			Acanthamoeba
			Balamuthia
			Clonorchis
			Echinococcus
		Parasitic	Plasmodium
			Schistosoma
			Strongyloides
			Toxoplasma
			Trypanosoma
			Wuchereria
		Type not specified	
		Breast Cancer	
		CNS neoplasms	
		Colo-rectal carcinoma	
		Choriocarcinoma	
		Liver Cancer	
		Haematopoietic	
		Lung	
		Melanoma	
	B. 11.	Oesophageal	
	Malignancy	Oro-pharyngeal	
		Ovarian Pancreatic	
		Prostate	
		Renal cell	
		Sarcoma	
		Thyroid	
		Neuroendocrine	
		Angiosarcoma	
		Urothelial tumor	
		Alloimmune	
	Non-infectious, Non-	Autoimmune	
	malignant transmissions	Metabolic	
		Genetic	
		Hypersensitivity/allergy	

		TRALI	
		Allergic Reaction	
		Acute Hemolytic Reaction	
		Delayed Hemolytic Reaction	
		Delayed Serologic Reaction	
	Immunological	Graft versus Host Disease	
	complications	Post Transfusion Purpura (PTP)	
	Complications	Rejection	1
		IgA deficiency	
			ABO immunisation
		Detrimental immunization	Rh immunisation
		Detrinental initianization	HLA immunisation
		Hypotonoivo Poaction	TILA IIIIIIdilisation
		Hypotensive Reaction Hypertensive Reaction	-
		Acute Hemolytic Reaction - non-	-
		immune	
		Delayed Hemolytic Reaction -	
		non-immune	
		TACO	
		TAD	
		Febrile Reaction	
			Citrate
			Potassium (hyperkalemia)
		Toxicity	DMSO
	Miscellaneous		Ethlene oxide
	complications	Hemosiderosis	Ethiche oxide
		Graft failure	
		Delayed engraftment	
		Delayed engranment	Insufficient MPHO use
		Inappropriate clinical application	Eccessive MPHO use
		Unduo expecure to	Eccessive WFTIO use
		Undue exposure to risk/intervention	
		Surgical site complications	
		Catheter related complications	
		-	
		Pulmonary complications	
		Cardiovascular complications	
		Neurological complications	
Harm to a	Infection		
donor	Malignancy		
		Overion Hyporetimulation	
	Drug related reactions	Ovarian Hyperstimulation Syndrome	
	Di uy i cialeu i eacii0115	GCSF-related	
	Vasovagal Reactions	Joon Totaled	
	- accragar recucions		1
	Allowala mas-ti	Local	
	Allergic reaction	Systemic	
		Anaphylaxis	
	Toxicity	Citrate	
	1	ACD	

	Undue exposure to		_
	risk/intervention		
	Excessive		
	collection/removal		
		Air embolism	
	<b>Embolic Complications</b>	Fat embolism	
		Thromboembolism	
		Cardiovascular	
		Neurological	
		Immunological	
		Metabolic	
	Miscellaneous	Insertion of needle	
	complications	Surgical site	
	Joinphoddona	Psychological	
		Catheterization/Intubation	
		Gastrointestinal	
		Pulmonary	
		Anesthetic agents	
	Procurement outside		
	legal framework		
Harm to a fetus or offspring	Genetic		
		Loss of highly matched or autologous MPHO	
	Loss	Loss of suitable organ(s)	
		Loss of large quantity of unmatched MPHO	
		Gamete mix-up	
D: 1 41	Mix-up	Embryo mix-up	
Risk of harm		Incorrect MPHO applied - no harm	
	Unsuitable MPHO released for clinical use - no harm		
	Wrong blood in tube - product not transfused		

## 4.4 Notify Library - MPHO taxonomy

	MPHO (Medical Products of Human Origin) TAXONOMY				
LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4		
MPHO		Liver			
		Heart			
		Kidney			
		Lung			
		Pancreas			
	Organa	Small bowel			
	Organs		Heart lung		
		Combined	Kidney pancreas		
			Multivisceral		
		Composito tigavo grafta	Hand		
		Composite tissue grafts	Face		
		Type not specified			
			Bone		
			Cartilage		
		Musculoskeletal	Osteochondral		
			Tendon and ligament		
			Meniscus		
			Blood vessels		
		Cardiovascular	Conduit Heart valves		
			Pericardium		
		Ocular	Conjunctiva		
			Cornea		
			Limbal tissue		
	Tissues		Sclera		
	1100000	Amniotic membrane			
		Other fetal membranes			
		Dura mater			
		Larynx			
		Nerve			
		Parathyroiid glands			
		Placenta			
		Skin			
		Adipose tissue	_		
		Trachea			
		Umbilical cord tissue			
	Cells		Marrow		
		HPC (hematopoietic progenitor	Apheresis		
		cell)	Cord blood		
			Whole blood		
		Leukocytes			
		Chondrocytes			
		Hepatocytes			
		Pancreatic Islets			

		Limbal cells	
		Fibroblasts	
		Adipocytes	
		T-lymphocytes	
		Keratinoctyes	
		Mesenchymal stem cells	
		Genetically modified cells	
		Whole blood	
		Red blood cells	
	Blood	Platelets	
	Bioou	Plasma	
		Cryoprecipitate	
		Granulocytes	
		Embryo	
	Reproductive	Oocyte	
		Ovarian tissue	
		Testicular tissue	
		Sperm	
		Combined	
		Milk	
	Other	Fecal microbiota	
		Topical products of human origin	
		Plasma derivates	
		Cell derived medicinal products	
	MPHO-derived	Tissue derived medicinal	
	medicinal products	products	
		Tissue and cell derived medicinal products	
		producis	

## 4.5 Imputability grade

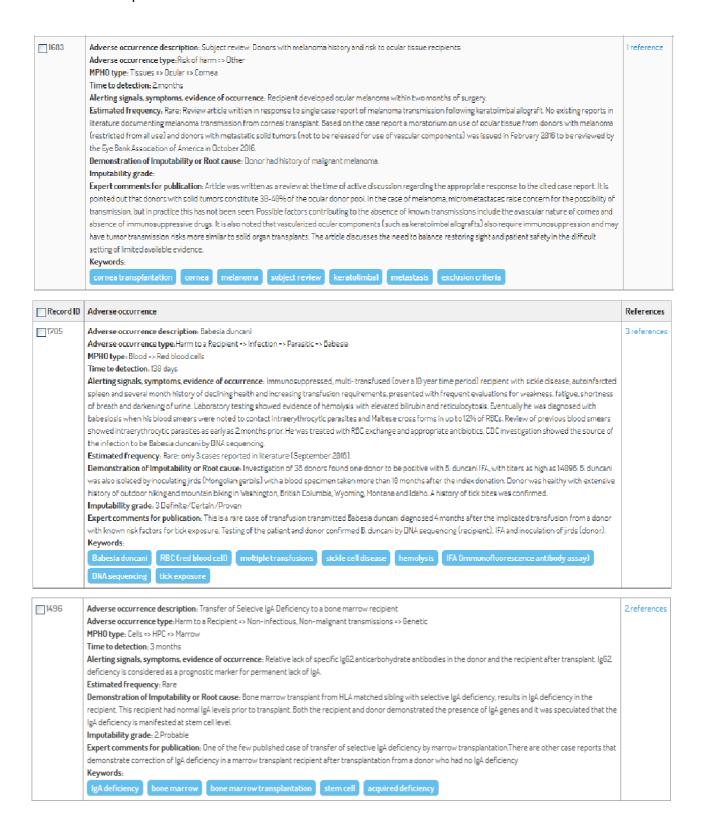
IMPUTABILITY GRADE	ADAPTED FROM EUSTITE-SOHO V&S	CRITERIA FOR INFECTIOUS AND MALIGNANT TRANSMISSIONS ADAPTED FROM DTAC	ADAPTED FROM SOHO V&S IN ASSISTED REPRODUCTIVE TECNOLOGIES
Not Assessable	Insufficient data for imputability assessment	Insufficient data for imputability assessment	Insufficient data for imputability assessment
		Suspected transmission and fulfillment of at least one of the following conditions:	
Excluded	Conclusive evidence beyond reasonable doubt for attributing an adverse reaction to alternative causes.	<ul> <li>Clear evidence of an alternative cause;</li> <li>The appropriate diagnostic tests performed have failed to document infection by the same pathogen in any recipient from the same donor;</li> <li>Laboratory evidence that the recipient was infected with the same pathogen or had a tumor before the application of organs, tissues or cells.</li> </ul>	Conclusive evidence beyond reasonable doubt for attributing to alternative causes than the ART process
Possible	The evidence is indeterminate for attributing adverse reaction either to the quality/safety of tissues/cells, to the donation process, or to alternative causes	Suspected transmission and:  - Laboratory evidence of the pathogen or tumor in a single recipient, or  Suspected transmission and:  - Laboratory evidence of the pathogen or tumor in a single recipient or  - Data suggest a transmission but are insufficient to confirm it.	Evidence is indeterminate
Likely/Probable	The evidence is clearly in favor of attributing the adverse reaction to the quality/safety of tissues/cells (for recipients) or to the donation process (for donors)	The following two conditions are met:  - Suspected transmission and  - Laboratory evidence of the pathogen or the tumor in a recipient.  And it meets at least one of the following conditions:  - Laboratory evidence of the same pathogen or tumor in other recipients;  - Laboratory evidence of the same pathogen or tumor in the donor;  If there is pre-transplant laboratory evidence, such evidence must indicate that the same recipient was negative for the pathogen involved before transplantation.	Evidence in favour of attributing to the ART process
Definite/Certain; Proven	The evidence is conclusive beyond reasonable doubt for attributing the adverse reaction to the quality/safety of tissues/cells (for recipients) or to the donation process (for donors)	All the following conditions are met:  - Suspected transmission;  - Laboratory evidence of the pathogen or the tumor in a recipient;  - Laboratory evidence of the same pathogen or tumor in other recipients (if multiple recipients);  - Laboratory evidence of the same pathogen or tumor in the donor;  - If there is a pre-transplant laboratory evidence, it should be noted that the same recipient was negative for the pathogen before transplantation	Conclusive evidence beyond reasonable doubt for attributing to the ART process

SOHO V&S Guidance for Competent Authorities: Communication and Investigation of Serious Adverse Events and Reactions associated with Human Tissues and Cells

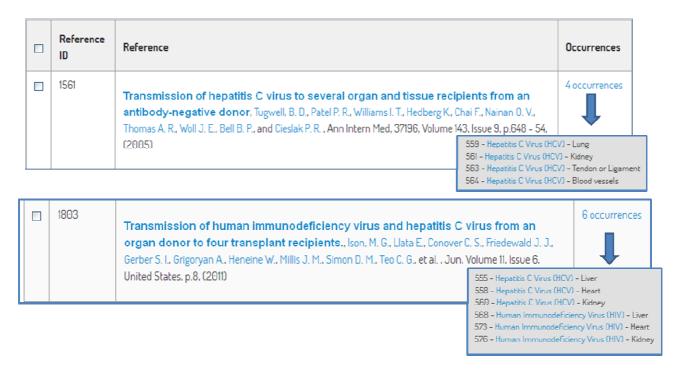
http://www.notifylibrary.org/sites/default/files/SOHO%20V%26S%20Communication%20and%20Investigation%20Guidance.pdf
Uniform Definitions for Donor-Derived Infectious Disease Transmissions in Solid Organ Transplantation Christian Garzoni and Michael G. Ison Transplantation • Volume 92, Number 12, December 27, 2011

SOHO V&S in Assisted Reproductive Tecnologies in the European Union (WP5 Deliverable 5)

## 4.6 Case examples



4.6.1 Each record in the Notify Library describes a type of adverse occurrence for one type of substance



4.6.2 CAs submitting records for inclusion in the Notify Library's database should make two records for the same type of occurrence with the same MPHO if they consider that are substantially different from each other in terms of cause, method of confirmation of imputability or any other factor that is considered to have major didactic value.



4.6.3 Where one record describes many cases, the experts should summarise the findings using ranges, averages, etc.

