



ISBT Library of Guidelines, Standards and Regulatory Documents

Judith Chapman

Guidelines



- Oxford English Dictionary definition:-
- *General rule, principle, or piece of advice.*
- Medical guidelines have the purpose of guiding decisions and principles regarding the diagnosis, management, and treatment in particular areas of healthcare.

Guideline process



1. A guideline is usually commissioned by an overarching committee
2. A group of experts is invited to draft the guideline and follows
3. A written procedure is followed and a recognised method is used for assessing levels of evidence and providing recommendations
4. All relevant stakeholders are involved in the process
5. The guideline is reviewed by a sounding board of experts and relevant professional bodies.

Standards

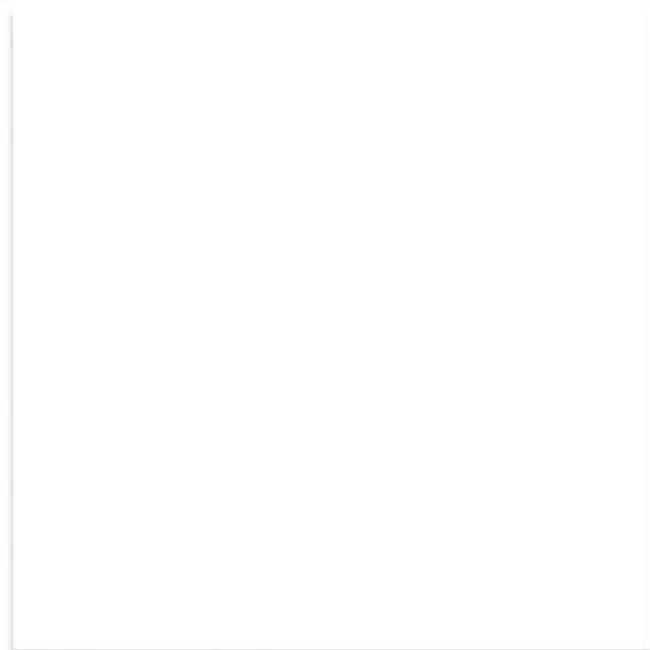


- Standards combine accepted quality management system essentials with technical requirements appropriate for each area of transfusion medicine.
- Standards may form the basis for laboratory or institute accreditation

ISBT Library of Guidelines, Standards and Regulatory Documents



WEBLIBRARY



Impetus for development



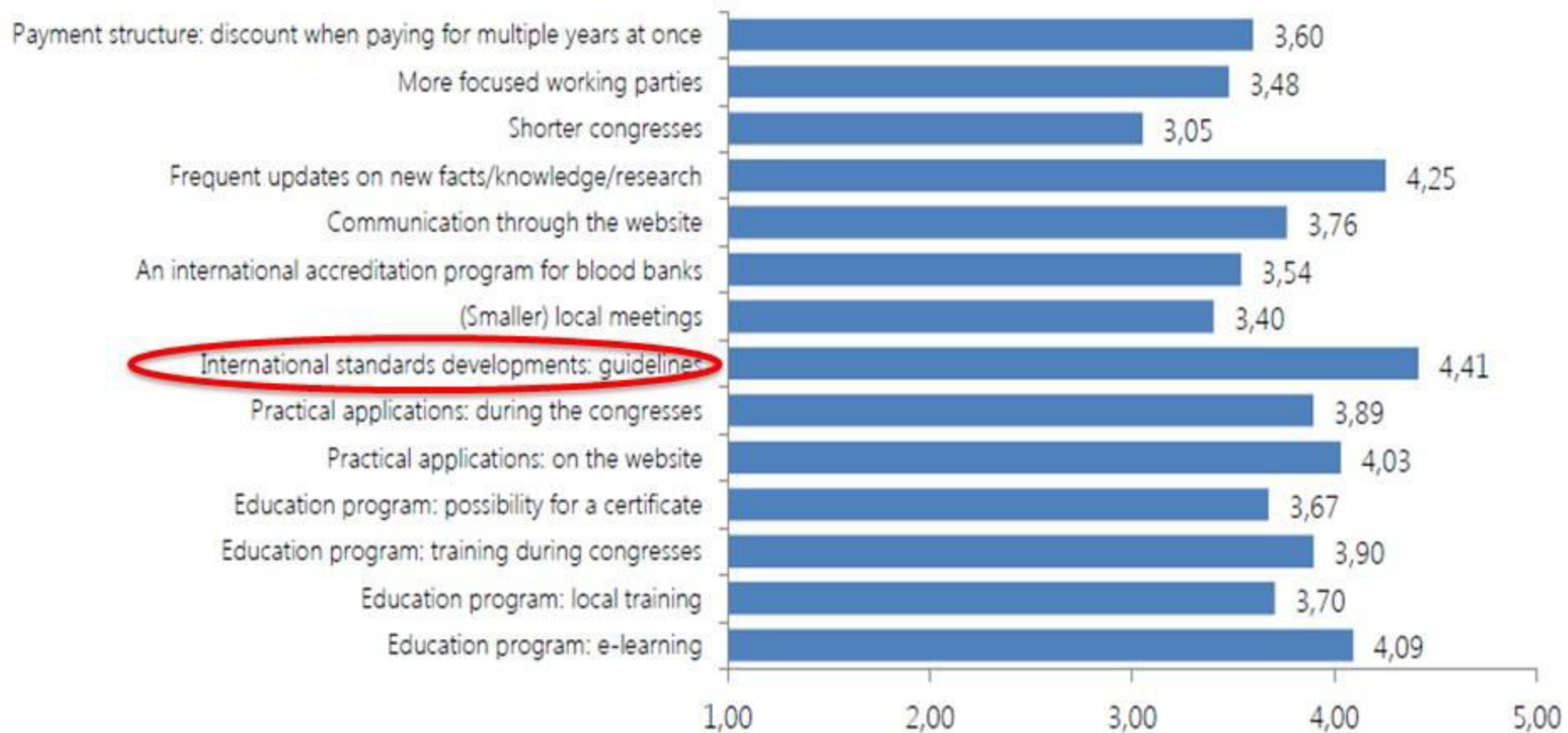
The 2011/12 membership survey identified that members wanted ISBT to provide:-

- access to educational resources
- online information about recent developments
- guidelines
- forums providing answers to frequently asked questions

None of the above was available at the time

2011/12 Membership Survey

FIGURE 1.10: ISBT ACTIVITIES THAT CAN BE IMPROVED ACCORDING TO SURVEY RESPONDENTS



SOURCE: MEMBER SURVEY (N=345)

(1=VERY UNIMPORTANT; 5= VERY IMPORTANT;

Guidelines and Standards



Many respondents to the survey wanted ISBT to develop guidelines and standards.

However.....

there are already many hundreds of guidelines already available.

Should ISBT reinvent the wheel?

Library of Guidelines, Standards and Regulatory documents



Process:

- The ISBT Board decided to invest in the development of the library
- A staff member was employed on a fixed term contract to research available documents and develop the library
- Multilearning agreed that the library could be developed on the ISBT Academy e-portal
- The work was carried out between February and September 2013

ISBT



Search Strategy



1. The internet using two search engines:-

- Google as the most popular search engine
- Dogpile because this engine is less driven by advertising

Google

transfusion guideline

[\[PDF\] Download the Blood Transfusion Guideline \(pdf\).](#)

www.sanquin.nl/repository/.../en/prod.../blood-transfusion-guideline.pdf ▼

Blood Transfusion. Guideline. INITIATIVE: National Users' Board Sanquin ... On behalf of the working group for revision of the Blood Transfusion Guideline.

[\[PDF\] 2012 Clinical Practice Guide on Red Blood Cell Transfusion](#)

www.hematology.org/Practice/Guidelines/9138.aspx ▼

Transfusion. Presented by the American Society of Hematology, adapted from "Red Blood Cell Transfusion: A Clinical Practice Guideline from the AABB".

[Professional guidelines for transfusion and for the collection, testing ...](#)

www.transfusionguidelines.org.uk/ ▼

Includes information on selecting donors, on preparing, testing and storing blood and tissue products and on the clinical use of blood.

Transfusion Handbook - Red Book - E-learning - Better Blood Transfusion Toolkit

Search Strategy



2. US National Library of Medicine PubMed www.ncbi.nlm.nih.gov/pubmed



- [\[Transfusions in the acutely bleeding patient: the borders between too little too late and too much too early\].](#)

61. Stassen P, Keulemans YC, Aquarius M.
Ned Tijdschr Geneeskd. 2013;157(20):A6205. Dutch.
PMID: 23676135 [PubMed - indexed for MEDLINE]
[Related citations](#)

- [Commentary on session: Immune thrombocytopenia nomenclature, guidelines, and natural history.](#)

62. Bolton-Maggs PH, Elalfy M.
Semin Hematol. 2013 Jan;50 Suppl 1:S10-1. doi: 10.1053/j.seminhematol.2013.03.003.
PMID: 23664505 [PubMed - in process]
[Related citations](#)

- [Potential role of new anticoagulants for prevention and treatment of venous thromboembolism in cancer patients.](#)

63. Gómez-Outes A, Suárez-Gea ML, Lecumberri R, Terleira-Fernández AI, Vargas-Castrillón E, Rocha E.
Vasc Health Risk Manag. 2013;9:207-28. doi: 10.2147/VHRM.S35843. Epub 2013 May 8. Review.
PMID: 23674896 [PubMed - indexed for MEDLINE] [Free PMC Article](#)
[Related citations](#)

Search Strategy



3. References in identified literature

- 10 National Health and Medical Research Council (NHMRC) (2009). *NHMRC additional levels of evidence and grades for recommendations for developers of guidelines*, NHMRC, Canberra, Australia Available from: http://www.nhmrc.gov.au/guidelines/consult/consultations/add_levels_grades_dev_guidelines2.htm (Accessed February 2011)
- 11 Burtelow M, Riley E, Druzin M, Fontaine M, Viele M and Goodnough LT (2007). How we treat: management of life-threatening primary postpartum hemorrhage with a standardized massive transfusion protocol. *Transfusion* 47(9):1564–1572.
<http://www.ncbi.nlm.nih.gov/pubmed/17725718> (Accessed February 2011)
- 12 Hewitt PE and Machin SJ (1990). ABC of transfusion. Massive blood transfusion. *BMJ* 300(6717): 107–109.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1662019/> (Accessed February 2011)
- 13 Stainsby D, MacLennan S and Hamilton PJ (2000). Management of massive blood loss: a template guideline. *British Journal of Anaesthesia* 85(3):487–491.
<http://www.ncbi.nlm.nih.gov/pubmed/11103199> (Accessed February 2011)

Search Strategy



4. Websites of well known organisations & societies

The screenshot shows the ABB website header with the logo 'abb.' and the tagline 'Advancing Transfusion and Cellular Therapies Worldwide'. The navigation menu includes: About AABB, Meetings & Events, Professional Development, Standards & Accreditation, Resource Center, Programs & Services, and Press Room. A search bar is visible with the text 'Home | Join AABB | Contact Us | Site Help | Search' and a 'GO' button. In the top right corner, there are links for 'Sign In' and a shopping cart icon with '(0 items)'.

The screenshot shows the ANZS-BT website banner. On the left, it says '... advancing the practice and standards of transfusion medicine and cellular therapies to optimize patient and donor care and safety'. The main banner features the text 'Australian & New Zealand Society of blood transfusion' in a mix of blue and red fonts. The ANZS-BT logo is in the top right corner.

The screenshot shows the BCSH Guidelines website banner. It features the BCSH logo (a circle containing the letters 'BSH') and the text 'BCSH GUIDELINES'. Below the banner is a navigation menu with links: HOME | ABOUT US | HAEMATOLOGY GUIDELINES | BCSH PROCESS | CONTACT | LINKS.

The screenshot shows the FDA logo and the text 'U.S. Food and Drug Administration' and 'Protecting and Promoting Your Health'.

The screenshot shows the logo of the World Health Organization, which includes a caduceus symbol and the text 'World Health Organization'.

5. Experts in transfusion medicine



Following consultation with experts some manuals were added that are either relatively old or not yet freely available on line.

Search Results



- 293 English language guidelines and standards were found
- Australia, the United Kingdom and the USA have the most guidelines
- The Netherlands and Italy each have one far-reaching guideline book

Not included



- Around 70 documents in languages other than English (These may be added at a later stage).
- Haemovigilance reports

Guidelines by Subject

Subject	Sub - Subject	Number
Book -> All		25
Clinical	Administration of Blood and/or Components	42
	Apheresis	8
	Obstetrics	9
	Overview	6
	Paediatrics	11
	Plasma	16
	Platelets	16
	Red Cells; Autologous	2
	Red Cells; Critical Illness - Bleeding	3
	Red Cells; General Medicine	10
	Red Cells; Massive BT - Trauma	12
	Red Cells; Surgery	3
	Therapy / Diagnosis	42

Guidelines by Subject

Subject	Sub - Subject	Number
Donor		9
Laboratory	Antibody Screening	2
	Antigen Typing	1
	Platelets	1
	QA	16
	Safety	2
	Testing	1
	TTI Screening	4
Processing	General	11
	GMP	2
	Plasma &/or Plasma Medicinal Product	12
Quality & Haemovigilance		9
Regulation		18
Total		293

Guidelines by Country and Category



Country	Book -> All	Clinical	Donor	Laboratory	Processing	Quality and Haemovigilance	Regulation	Total
Australia		40	2	3			4	49
Australia & New Zealand		8		3	2	1		14
Belgium		3						3
Bhutan				1				1
Canada	3	28		2	5	4	1	43
Europe	2		2	1	11		8	24
France	1	2						3
Germany		4						4
India	1	1	1	1		1		5

Guidelines by Country and Category



Country	Book -> All	Clinical	Donor	Laboratory	Processing	Quality and Haemovigilance	Regulation	Total
South Africa	1							1
Spain		1		1				2
the Netherlands	1							1
Uganda		1						1
United Kingdom	2	38	1	6		1		48
United States of America	1	20	1	2	2		5	31
World	3	9	1	6	4	1		24
Zimbabwe	2							2
Total	25	180	9	27	25	9	18	293

<http://academy.isbtweb.org/>

Sign in

The screenshot shows the top navigation bar of the ISBT Academy website. On the left is the ISBT Academy logo. To its right is a link for 'About ISBT Academy'. The main navigation area contains several menu items: 'Events Calendar', 'Forms & Reports', 'Online Education' (which is highlighted), 'Covered Events', 'Educational Materials', 'Speakers & Authors', 'Textbooks', and 'Guideline Library'. On the right side of the header, there is a 'Sign in' button, a 'Register' button, and links for 'Forgot your password?' and 'Keep me signed in'.



This section shows the search and navigation interface. At the top left, there is a 'Navigation History' section with a 'Hide NavBar' option. Below this are several search filters: 'Date from' and 'to' with a calendar icon, 'Event' with a dropdown menu 'Select an event', 'Speaker/Author' with a dropdown menu 'Select a speaker', and a 'Clear Fields' button. The main search area includes a 'Keyword' field with the text 'Practice Guidelines x' and a placeholder 'Add keyword(s)...', a 'Type of content' dropdown set to 'Document', a 'Show by Label' dropdown, and a 'Search' button.

The search results page displays a folder icon and the text '289 Documents'. Below this, there are two main result categories, each with a plus sign in a square button:

- Practice Guidelines**: 596 document(s)
The ISBT Board has identified an education initiative of developing a library of international guidelines, standards and relevant regulatory... [More]
- Guidelines by country**: 303 document(s)
 - Europe:
 - Belgium
 - Germany
 - Ireland
 - Italy
 - Netherlands
 - Poland
 - Scandinavia
 - Spain
 - ... [More]

... [More]

... [More]

... [More]

The National Blood Authority (NBA) is a statutory agency within the Australian Government Health and Services portfolio that manages and coordinates

Royal Children's Hospital

You're now viewing the transfusion website. Visit: [Blood Donors](#) | [Patients](#) | [Research](#) | [Media Centre](#) | [Corporate](#) | [Careers](#) | [Red Cross](#)

You're now viewing the transfusion website. Visit: [Blood Donors](#) | [Patients](#) | [Research](#) | [Media Centre](#) | [Corporate](#) | [Careers](#) | [Red Cross](#)

Patient Blood Management

Tran

Both Traditional and Allopathic methods of medicine are practiced and implemented in the kingdom without any sense of competition and... [More]

[More]

T 370000

T 370000

The National Blood Services Zimbabwe (NBSZ) is registered both as a private non-profit making company and as a Welfare Organisation

The National Blood Services Zimbabwe (NBSZ) is registered both as a private non-profit making company and as a Welfare Organisation
EU directive: A directive is a legislative act of the European Union, which requires member states to achieve a particular result

The National Blood Services Zimbabwe (NBSZ) is registered both as a private non-profit making company and as a Welfare Organisation

www.nbsz.co.zw

www.nbsz.co.zw

... [More]

ISBT ACADEMY

Online Education

Events Calendar

Application Forms

Educational Materials

Covered Events

MULTI PORTAL Harbor

Navigation History

Date from :

to :



Event: Select an event



Keyword:

PracBoe Guidelines x

Add keyword(s)...

Type of content Document



Example of BCSH link page



[All](#)
[Haemato-oncology](#)
[General Haematology](#)
[Haemostasis and Thrombosis](#)
[Transfusion](#)

SHOW ENTRIES
 CURRENT GUIDELINES
IN PROGRESS
ALL

SEARCH THIS SECTION

Page : [1](#) [2](#) [3](#) [4](#) [5](#)

TOPIC	GUIDELINE TITLE	DATE	FULL GUIDE	PUBLISHED VERSION	AUDIT TEMPLATE
Red cells, critical care	Red cells in critical care	2012			
Irradiated blood	Addendum to guidelines on the use of irradiated blood components This addendum is in relation to patients receiving T-cell depleting agents such as alemtuzumab for non-haematological indications including solid organ transplantation, multiple sclerosis and vasculitis.	2012			
Pre-transfusion compatibility	Guidelines for pre-transfusion compatibility procedures in blood transfusion laboratories The gap analysis tool (audit template) only covers areas specific to pre-transfusion testing or interaction with the IT systems. It does not cover general quality issues. It can be downloaded as a word document.	2012			
Blood Components	Addendum to Administration of Blood Components	2012			
ATR	Guideline on the investigation and management of Acute Transfusion Reactions The BCSH pdf version is more extensive than the published version.	2012			

Page : [1](#) [2](#) [3](#) [4](#) [5](#)



The ISBT Library of Guidelines, Standards and Regulatory Documents

- Free to all members
- Small fee to non-members

Available at

<http://academy.isbtweb.org/>



Become a member

Join ISBT at

www.isbtweb.org/membership/join/