

THE WORK-SHOP INCREASING BLOOD AVAILABILITY AND PROVIDING THE HIGHEST DONOR AND PATIENT SAFETY IN TRANSFUSION THERAPY IN EMERGENCY SPECIAL CIRCUMSTANCES



BUCHAREST JULY, 2014

Cooperation mechanisms and the role of the SEE Regional Development Centers in promoting a harmonized approach to blood and blood products management

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Proposals:

- ➤ National evaluation (based on further model) → Regional (SEE) evaluation → SEE strategy
- ➤ Legislation uniformity at SEEHN level (import/export regulations, transfusion security)
- ➤ Sequential designation of Responsible Persons → well-defined responsibilities
- > Design of an alert platform
- ➤ Training sessions specialized staff (physicians, nurses...) at both national and SEE level
- ➤ Simulation exercises at national and SEEHN level
- ➤ Major coordination by RHC-SEEHN Blood Safety





Presentation design

- SEE harmonized approach to blood and blood products management (certain features: separation rate, no of performed tests, staff number/category)
- The questionnaire designed for framing each blood establishment → country →
 SEE region, based on "Romanian exercise"
- Applied poll about perception of blood donation in common/special circumstances
- SWOT approach
- Conclusions future SEE policy/strategy





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year	nº						
	TB collected units	RBC s	separation rate				
2008	351,381	233,595	66.4 %				
2009	390,501	272,725	69.8 %				
2010	400,285	277,699	69.9 %				
2011	398,993	312,740	78.4 %				
2012	399,848	338,274	84.6 %				
2013	428140	391,922	91.54 %				
Separation rate (p < 0.001). Source: Annual BTCs Activity Reports							

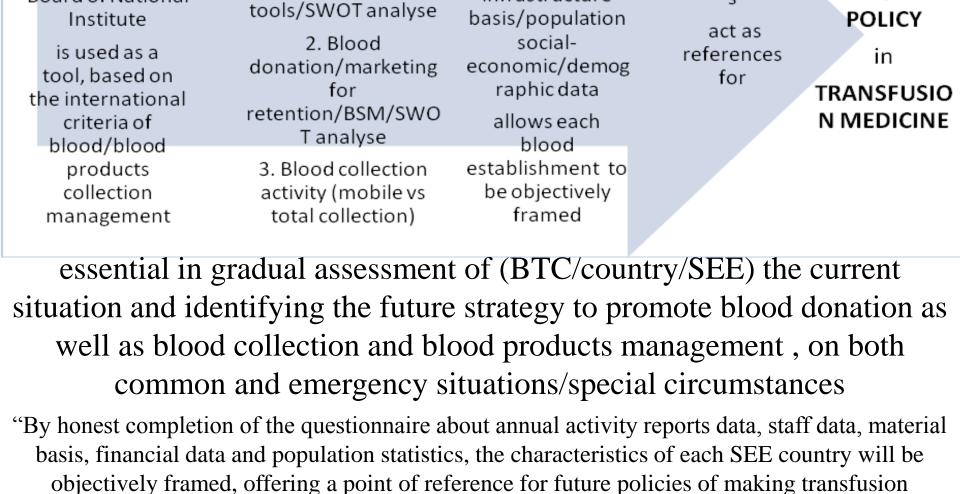
year	Ag HBs	Ag/Ab HIV ½	Ag/Ac HCV	Ac HTLV	syphilis	bacteri- ologic control	immune- hemato- logy	hemato- logy, bio- chemistry	total nº of laboratory tests
2008	405,780	384,428	396,783	345,142	395,142	35,448	384,428	1,631,109	3,978,260
2009	437,871	417,934	426,898	405,869	435,976	34,596	577,258	1,476,628	4,513,030
2010	439,778	406,581	435,646	410,572	441,719	27,504	1,347,243	1,500,119	9,547,245
2011	434,277	418,217	432,661	409,663	440,896	27,479	5,928,183	1,670,743	9,762,119
2012	432,509	406,064	428,299	412,170	431,663	30,810	5,794,613	1,593,489	9,529,617
2013	435,532	448,288	436.772	433.442	441,733	31,635	6,523,442	1,267,049	10,017,893
Laboratory activity (p < 0.001). Source: Annual BTCs Activity Reports									

year/	2008	2009	2010	2011	2012	2013	total no of employees
professional category							(national level)
MDs (Clinical Laboratory. General Medicine, Hematologists)	131.5	105.5	105.5	118.5	118.5	116	1,148.5
biologists, chemists	96.5	89.5	89.5	86.5	86.5	86.5	1,102.5
nurses	603.5	633	633	557.5	557.5	553	1,098
lower health care staff	68	44	44	40.5	40.5	40.5	1,017.5
total nº of medical staff	899.5	872	872	803	803	796	1,007.5
Medical staff/categories; - Romanian Transfusion Network Source Annual BTCs Activity Reports							





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medicine more efficient and safe in any circumstance"

compiles the

annual activity

reports

data/staff

data/technical

and

infrastructure

FUTURE

NATIONAL

conclusion

is composed of 3

parts:

1. Promotion of

blood

donation/donor

recruitment/specific

THE

QUESTIONNAIRE

was created by

the members of

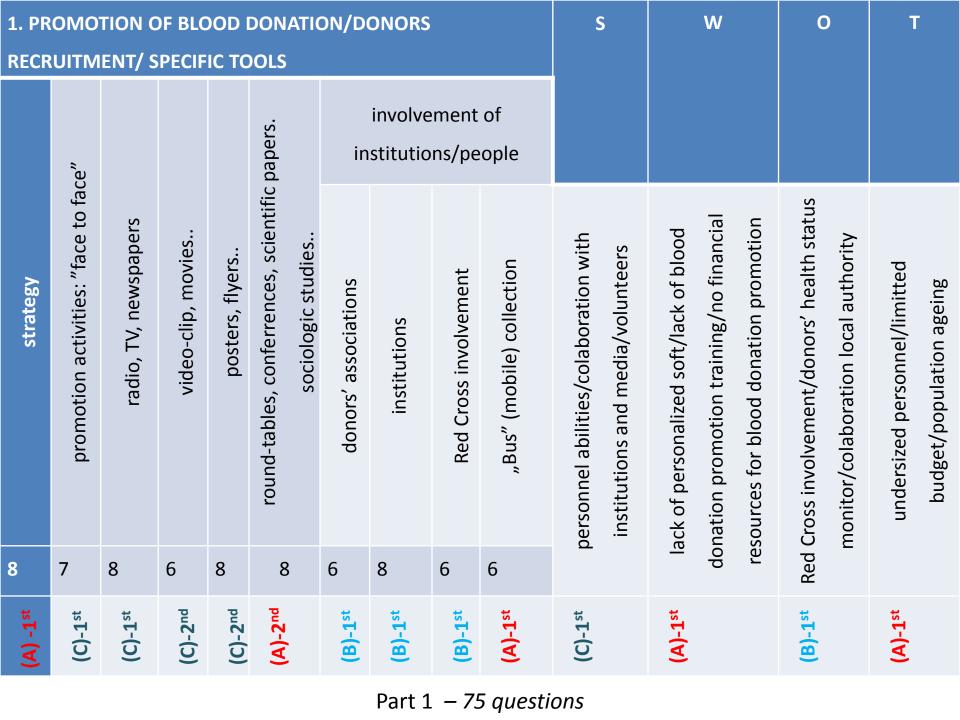
the Scientific

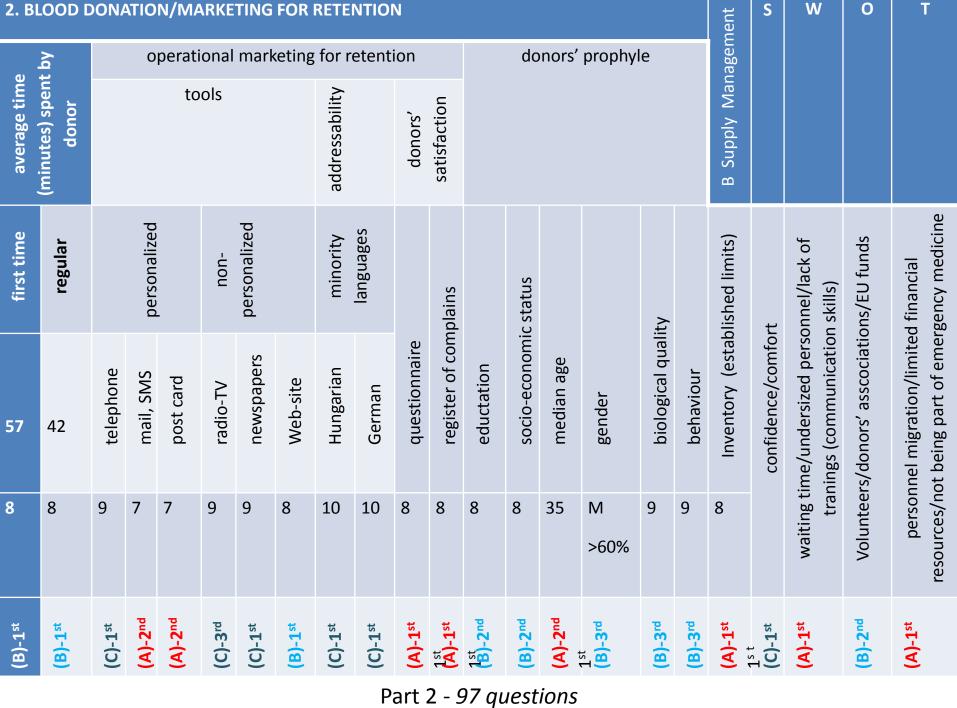
Board of National

Selections from the applied questionnaire, will be further displayed as well as the manner of interpretation (based on a predetermined evaluation scale) according to:

- a. the national policy:
 - ^{A)} short-,
 - (B) medium-,
 - (C) long-term strategy priority (1st, 2nd, 3rd), and

b. presence/number/efficiency, marked from 5 to 10.





3. BLOOD COLLECTION ACTIVITY/YEAR	2008	2009	2010	2011	2012	2013	
% of mobile from total collection	8.75	7.23	6.56	5.99	6.2	6.5	
national policy/ priority	(A)-1 st						

- (A)1st: strategy; "Bus" (mobile) collection; lack of personalized soft/lack of blood donation promotion training/limited financial resources for blood donation promotion; undersized personnel/limited budget/population ageing; donor's satisfaction questionnaire, register of complains; inventories; median age; waiting time/undersized personnel/lack of trainings (communication skills); personnel migration/limited financial resources/not being part of emergency medicine; mobile collection; sociologic studies..
- (A)2nd: personalized operational marketing mail, SMS, post card
- (B)1st: involvement of institutions/people: donors' association, Red Cross; collaboration with local authority (including the signalizing of the Blood Establishments location, along traffic routes); improvement of average of spent time by donors in BTEs; personalized web-site;
- (B)2nd: contract with volunteers; round-tables, conferences, scientific papers; donors' profile

(C)1st: promotion/recruitment (tools: mass media, newspapers, video clip, flyers..); improvement of personnel abilities; addressability maintenance; donors' comfort maintenance

Ro Conclusions 1.

regarding the *medical staff* working in blood establishments, should increase with 20% (the necessary human resource for running in optimal conditions – common/special circumstances), with regular trainings (internal/external training, including an e-learning platform), aware of its role in the community, able to understand the context in which it evolves to achieve quality requirements, another vital point of interest is the acquisition of specific equipment (including for NAT testing), in sufficient number to cover all progressively increasing working volume and complexity to streamline the institutions involved, is imperative to implement an unique computerized soft for donor management, the Donor Base enabling to intervene with timely and adequately recruitment/retention activities, and hemovigilance purpose as well, to provide interface to all

another key in improving the quality system, is the use a *national (SEE)* standardized reporting system for transfusion activity and performance assessment/reorganization

interested parties

Conclusions 2.

should be acquired *authorized vehicles*, to support an increase of at least 25% of mobile collection, in about 12 months from the acquisition moment, able to be used in special circumstances, as well

the renovation/modernization of the infrastructure, are prerequisites for the implementation of current technical knowledge, quality management system requirements, offering comfort and assuring the return of blood donors

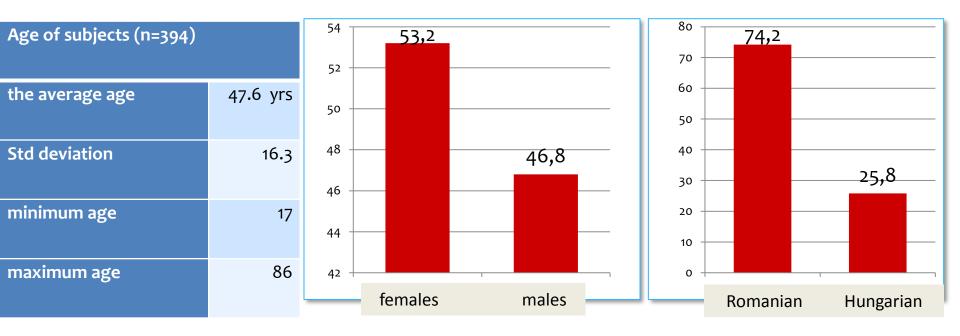
in order to avoid potential consequences in both common/special circumstances, such as major discontinuity in hospitals supply with blood and blood components (either by reducing the amount thereof, or by decreasing transfusion safety or the worst, both of them), is compulsory to apply the above measures (respecting the national policy), through **ASSURING ADEQUATE FINANCIAL RESOURCES**, thus being fulfilled the medical staff's (pre-hospital/hospital levels) donors' and recipients' satisfaction

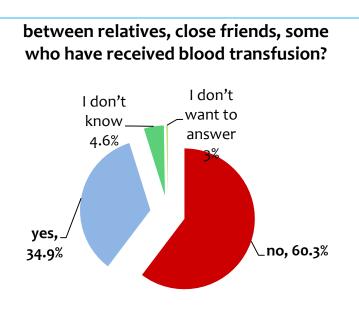


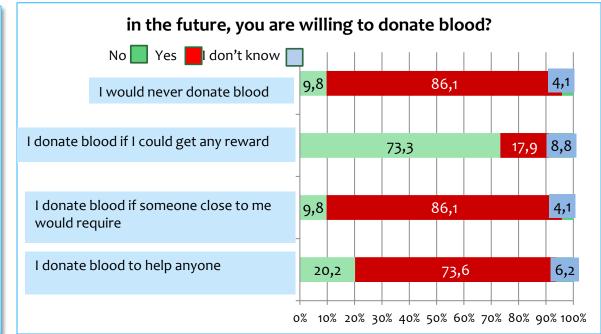


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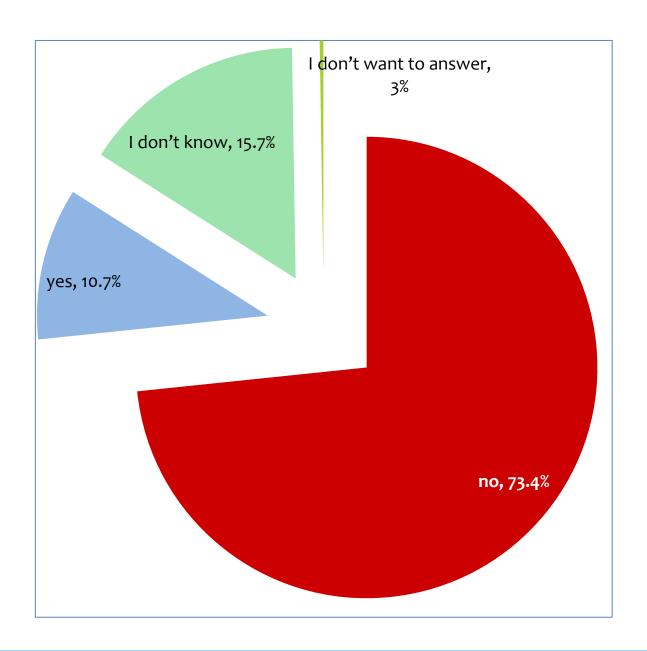
Poll – April 2013







do you consider that the blood donation is promoted enough?







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Medical staff professionalism/ devotion

On-going

- editing of national guidelines (immunehematology, ethics)
- training courses for hospital staff involved in transfusion therapy
 - documentation for transfusion competence

strengths

Continuous
improvement (low
speed) of specific
medical devices
pool, at national
transfusion network
level

High degree of transfusion security (91 minor transfusion

reactions in 2013)

Limited complementarity between the 2

main "actors":

pre-hospital & hospital

institutions
Limited Promotion of
Transfusion field, due
to insufficient
information
(common/special

circumstances, displayed on

professional web-sites

Lack of National Computerized Network at BTCs level

The hospitals should increase the level of quality in transfusion medicine, based on specific procedures in both common/special

circumstances

"computerized" interface: HBB/BEs

Weaknesses

Limited

uniformity/

complementarity

in reported data

Post-graduate Quality
Management in
Transfusion training
program (CME) for
each "actor" according
to level of involvement,
organized by medical
universities
/professional
bodies/experts

for National network of ITsystem

opportunities

To use the information from activity report for national tender, as a basic tool for Blood Supply Management, in both common/special circumstances

Editing specific manuals/guides/regulat ions for both common/special circumstances

(on-going the Ethical Guide in Transfusion Medicine)

Limited
efficiency in
collaboration/
coordination
between
interested
stakeholders

financing the transfusion
Inadequate network
number/category
of medical staff

A continuous
overload of
job
description →
increase the
risk of human
errors

Low speed to get to European Standards in Blood Supply Management and hemovigilence system Limited
medium and
long-term
strategic
vision in both
prehospital/ho
spital levels

threats

(no Transfusion

Medicine

specialization/

competence)





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Conclusions - future SEE policy/strategy

- Necessity to:
- be revised and validated the proposed questionnaire (by each SEEHN representative in blood safety domain, with the international institutions/experts participation)
- be applied the questionnaire to each country, part of SEEHN, under the National Coordinator responsibility
- be evaluated and to be found the common and specific features, in order to develop an efficient strategy, when refers to emergency situations/special circumstances at SEE level
- publish a booklet with all compiled data

