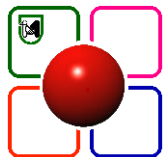


"Plasma donation: experience of the Marche Region"

Dr. Giovanna Salvoni



*Responsabile
Centro Regionale Sangue
Regione Marche*



**CENTRO
NAZIONALE
SANGUE**



Settimana nazionale della donazione di sangue 2018

The Italian blood donation week 2018

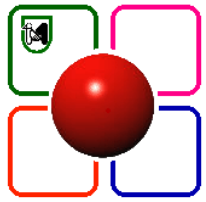


**ESSERCI PER QUALCUN ALTRO.
DONA IL PLASMA. CONDIVIDI LA VITA.**

**BE THERE FOR SOMEONE ELSE.
GIVE PLASMA. SHARE LIFE.**

Roma, 15 giugno 2018 - Rome, June 15th 2018

**Istituto Superiore di Sanità
Aula Pocchiari - Viale Regina Elena, 299**



Anno
2017

*Thanks
to ...*

56.944
Donors

103.369
Donations

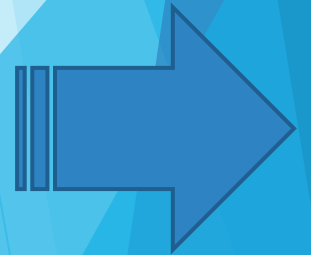
79.286 *WHOLE BLOOD*
21.826 *PLASMAPHERESIS*
2.257 *MULTICOMPONENT*

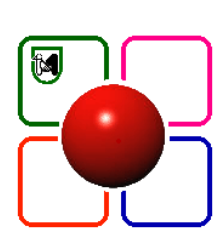
33.794 *kg*
*of plasma sent to
the plasma-derived
company*
(22,8 *Kg/1000 ab*)

**OUR REGIONAL
SELF-
SUFFICIENCY OF
BLOOD
COMPONENTS
AND
PLASMA-DERIVED
MEDICINAL
PRODUCTS
(PDMP) ...**

2

Dr. Giovanna Salvoni
"Plasma Donation: Experience of the
Marche Region"

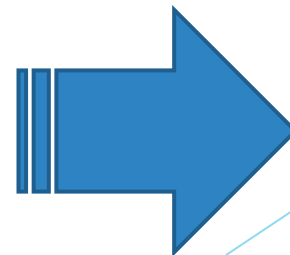


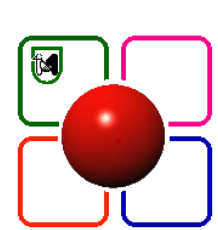


From plasma collection to ...

DISTRIBUTION OF PDM PRODUCTS TO HOSPITAL PHARMACIES

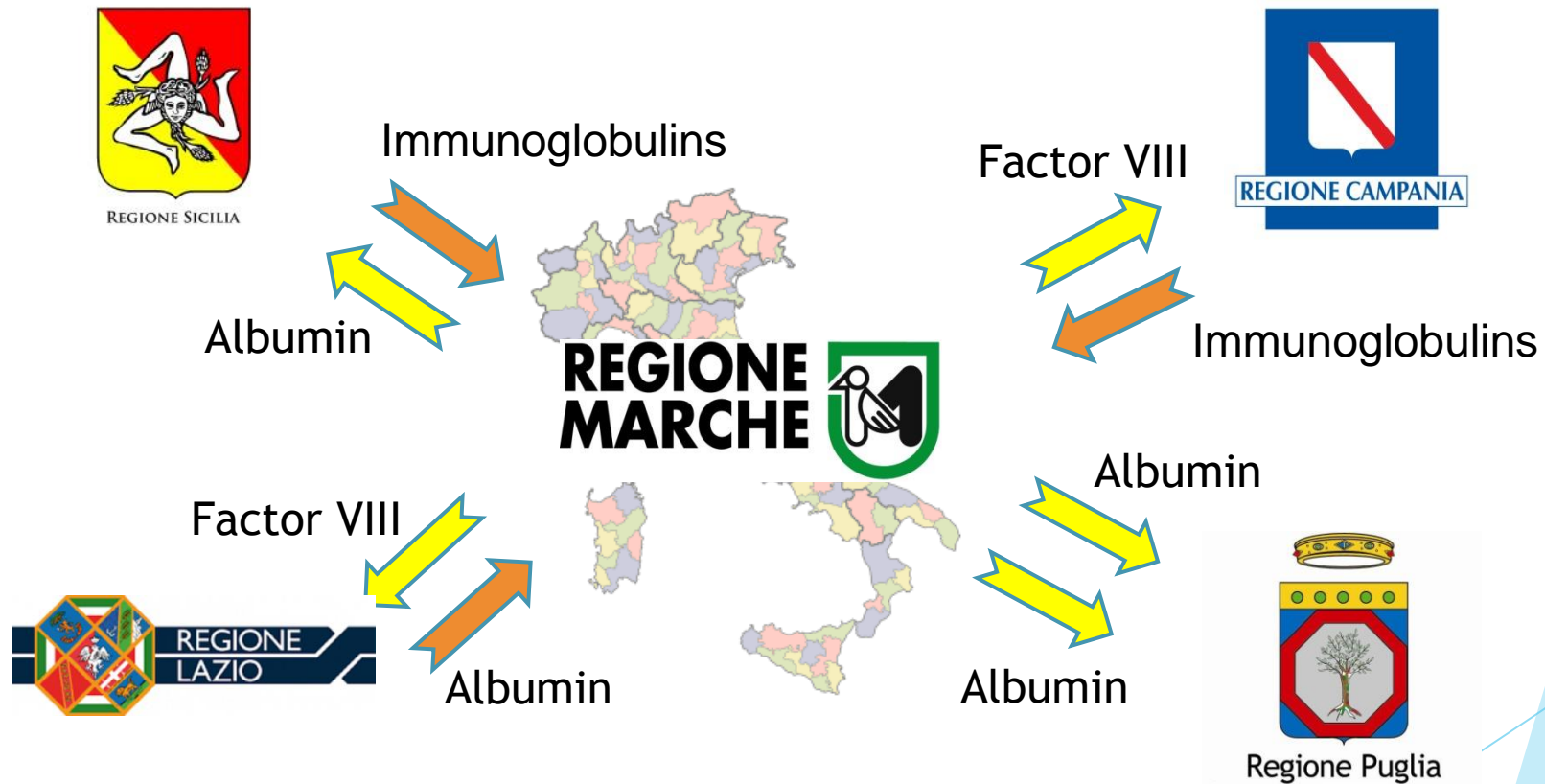
Marche Region	2015	2016	2017	Variation (three years)
Albumin (gr)	517.000	561.500	594.500	13,0%
Equivalent non-specific immunoglobulins (gr)	125.115	119.685	131.310	4,7%
Factor VIII (U.I.)	2.256.000	2.120.000	2.039.000	-10,6%
Factor IX (U.I.)	421.000	682.000	687.000	38,7%
Prothrombin complex (U.I.)	980.000	1.090.500	1.358.000	27,8%
Antithrombin III (U.I.)	2.504.000	2.059.000	2.227.000	-12,4%

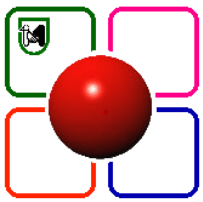




From plasma collection to ...

INTER-REGIONAL COMPENSATION











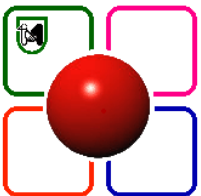
From plasma collection to ...

INTER-REGIONAL COMPENSATION

(according to State-Regions Agreement 20-10-2015)

	Date	Product given	Quantity (bottles/vials)	Region (Customer)	Product received	Quantity (bottles/vials)
MARCHE	04/10/16	ALBUMIN	20.000	 SICILIA	IMMUNOGLOBULINS	2.171
MARCHE	24/11/16	FACTOR VIII/ ANTITHROMBIN III	700/300	 CAMPANIA	IMMUNOGLOBULINS	1.306
MARCHE	10/04/17	ALBUMIN	20.000	 SICILIA	IMMUNOGLOBULINS	2.171
MARCHE	03/05/17	FACTOR VIII	826	 LAZIO	ALBUMIN	10.000
MARCHE	12/05/17	ALBUMIN	20.000	 PUGLIA	-	-
MARCHE	29/01/18	ALBUMIN	20.000	 SICILIA	IMMUNOGLOBULINS	2.171

From plasma collection to ...



AGENZIA ITALIANA
PER LA COOPERAZIONE
ALLO SVILUPPO

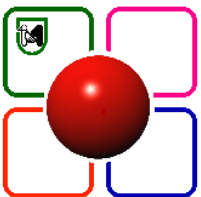


Agenzia Italiana per la Cooperazione allo Sviluppo



INTERNATIONAL COOPERATION

INTERNATIONAL COOPERATION



2017

MINISTERO DELLA SALUTE
Istituto Superiore di Sanità
Centro Nazionale Sangue

Via Giano della Bella, 27
00162 Roma
Tel: 06 4990 4953
Fax: 06 4990 4975
E-mail: segreteria generale.cns@iss.it

I.S.S. - C.N.S.
CNS 28/06/2017-0001467
Documento Interno S1

Al Direttore dell'Agenzia Regionale Sanitaria
Prof. Francesco Di Stanislao

Al Direttore Dipartimento Interaziendale Regionale
di Medicina Trasfusionale
Dott.ssa Maria Antonietta Lupi

Al Responsabile del Centro Regionale Sangue
Dott.ssa Giovanna Salvoni

Regione Marche

E, p.c.

Al Presidente regionale AVIS
Dott. Massimo Lauri

Alla Kedrion SpA

Oggetto: Richiesta della Repubblica Islamica dell'Afghanistan di donazioni di medicinali plasmaderivati.

Con riferimento alla Vs. nota Prot. 5227/ARS/ARS/P del 5 giugno u.s., riscontriamo positivamente il Vs. interesse a partecipare al progetto di cooperazione con la Repubblica Islamica dell'Afghanistan e in particolare alla fornitura dei fattori della coagulazione per il trattamento dei pazienti affetti da emofilia.

Tenuto conto della richiesta pervenuta e delle disponibilità da Voi espresse, si ritiene opportuno programmare nell'arco dell'anno l'esportazione di 500.000 U.I. totali di fattore IX della coagulazione, verosimilmente attraverso due spedizioni, di cui la prima da realizzare nel corso delle prossime settimane, con 300 flaconi da 1000 U.I..

Sarà cura dello scrivente Centro prendere i necessari accordi operativi con il Centro Regionale Sangue, anche al fine di raccordare le disponibilità rappresentate da altre Regioni e in considerazione degli aspetti logistici del caso.

Cordiali saluti.

Il Direttore del Centro Nazionale Sangue
Dott. Giancarlo Maria Liunbruno

Referenti tecnici:
Dott. Gabriele Calizzani
Dott.ssa Samantha Profili

Pagina 1 di 1



REGIONE MARCHE
GIUNTA REGIONALE

Servizio Sanità
Il Dirigente

Regione Marche - Giunta Regionale
0802675 | 11/11/2016
R. MARCHE | GRM | SAS | P

Al Direttore Dipartimento Interaziendale
Regionale medicina Trasfusionale (DIRMT)
Dr.ssa Maria Antonietta Lupi

Al Responsabile Centro regionale sangue DIRMT
Dr.ssa Giovanna Salvoni

LORO SEDI

OGGETTO: Progetti Umanitari

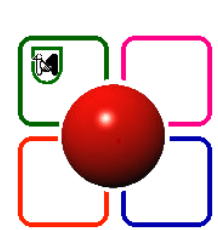
Si fa riferimento alla comunicazione del 2 novembre u.s. inerente la possibile cessione, per fini umanitari, di fattore IX della coagulazione alla Repubblica Islamica dell'Afghanistan.

Al riguardo, preso atto delle disponibilità del prodotto e tenuto conto dell'alto valore umanitario, si comunica che nulla osta alla cessione in parola.

Cordiali saluti.

IL DIRIGENTE
Dr.ssa Lucia Di Furia





د افغانستان اسلامي جمهوریت
د عامې روغتیا وزارت



Islamic Republic Of Afghanistan
MINISTRY OF PUBLIC HEALTH
ریاست روابط بین الملل
International Relations Directorate

جمهوری اسلامی افغانستان
وزارت صحت عامه

For Information Confidential Emergency Priority Routine

Date: 26-01-2017

Ref: 678987

Mezzolani
Assessore Tutela della salute Regione Marche

Dr. Giovanna Salvoni
Direttore Centro Regionale Sangue, Regione Marche

Subject: Donation of factor IX by Regione Marche for the Hemophilia Center of Kabul

The Ministry of Public Health of the Islamic Republic of Afghanistan would like to thank Regione Marche and all local Blood Donor associations for their generous donation of plasma factor IX, highly needed for the care of our hemophilia patients.

The Ministry of Public Health hopes that this will be the beginning of a long-lasting collaboration and that through this partnership it will be possible to facilitate the access to factors and to a safe and effective treatment, guaranteeing a future for our patients.

Once again, we express our gratitude to the Regione Marche for the very efficient, effective and responsible support provided to our Country for many years.

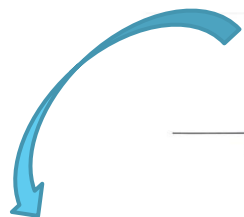
I hope to have the opportunity to meet You in Rome next November

Sincerely,


Dr. Ferozuddin Feroz
Minister of Public Health
Islamic Republic of Afghanistan

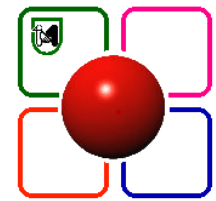
Ministry of Public Health, Great Masoud Road Kabul-Afghanistan www.moph.gov.af
IRD_moph_ird@gmail.com Phone: 020.2301529

2017



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The Ministry of Public Health hopes that this will be the beginning of a long-lasting collaboration and that through this partnership it will be possible to facilitate the access to factors and to a safe and effective treatment, guaranteeing a future for our patients.



INTERNATIONAL COOPERATION



Islamic Republic of Afghanistan
Ministry of Public Health

Date, Kabul 07 May 2018

To:

H.E. Mrs Beatrice Lorenzin
Minister of Health of the Italian Republic

Dr. Giuseppe Ruocco
Secretary-General Ministry of Health of the Italian Republic.

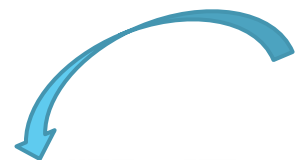
Dr Sergio Venturi
Health Care Councillor, Emilia-Romagna Region

Dr Luca Ceriscioli
President Marche Region

Dr Giancarlo Liubruno
Director Italian National Blood Centre.

Prot: 55/1115
9V/5/18

2018



Following my previous letter to You requesting a donation of FVIII and FIX, I am writing again to take Your attention on the current situation of haemophilia care in our Country. With the institution of a new Paediatric Haemophilia Centre at the “Indira Ghandi” Hospital extending to the children the Adult Haemophilia Centre at Estiqal Hospital activities, the need for clotting factor concentrates has increased due to the growing number of patients Kabul area. In addition in Afghanistan there is lack of specialised expertise and adequate infrastructure for diagnosis, treatment and rehabilitation.

In consideration of the excellent relationship between our Countries and the precious support already provided in this sector by some Italian Regions in the past years, I would like to request any support aimed to donate at least 1,5 million IU of Factor VIII and 600.000 IU of Factor IX and to

The Ministry of Public Health Afghanistan appreciates your support to health sector in Afghanistan regarding to donation of anti-hemophilic factors for Estiqal Hospital and Indira Gandhi Hospital in Kabul .

Following my previous letter to You requesting a donation of FVIII and FIX, I am writing again to take Your attention on the current situation of haemophilia care in our Country. With the institution of a new Paediatric Haemophilia Centre at the “Indira Ghandi” Hospital extending to the children the Adult Haemophilia Centre at Estiqal Hospital activities, the need for clotting factor concentrates has increased due to the growing number of patients Kabul area. In addition in Afghanistan there is lack of specialised expertise and adequate infrastructure for diagnosis, treatment and rehabilitation.

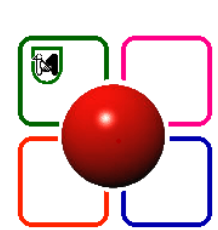
In consideration of the excellent relationship between our Countries and the precious support already provided in this sector by some Italian Regions in the past years, I would like to request

develop a specific cooperation project with the objective of capacity building in the field of Haemophilia. This project and the related support to transfusion services and blood banks represent a main priority in our Ministry agenda.

Once again we express our gratitude to the Italian Government for the very efficient, effective and responsible support provided to our Country for many years.

Sincerely yours,

Dr. Ferozuden Feroz
Minister of Public Health

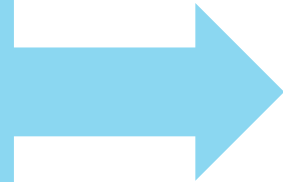


From plasma collection to ... INTERNATIONAL COOPERATION

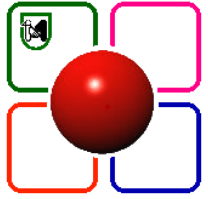


2018

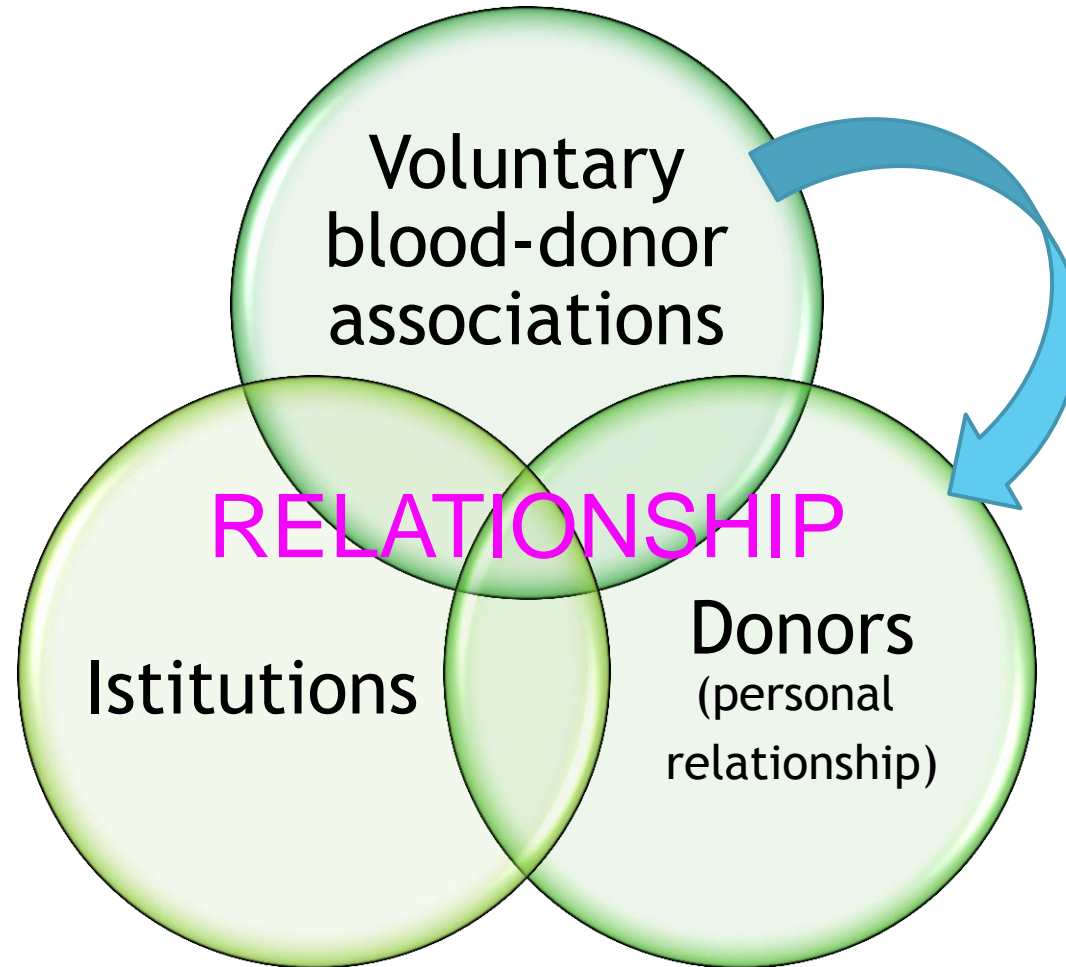
DEVELOPMENT OF TRANSFUSION
AND DIAGNOSIS AND TREATMENT
CENTERS OF HEMATOLOGICAL RARE
DISEASES NETWORK IN PALESTINE

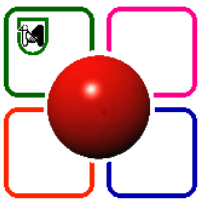


PALESTINA
HAEMO_PAL
POTENZIAMENTO DELLA RETE TRASFUSIONALE E DEI CENTRI DI DIAGNOSI E TRATTAMENTO DELLE MALATTIE RARE EMATOLOGICHE IN PALESTINA
Concept Paper



Which strategies lead to regional self-sufficiency?

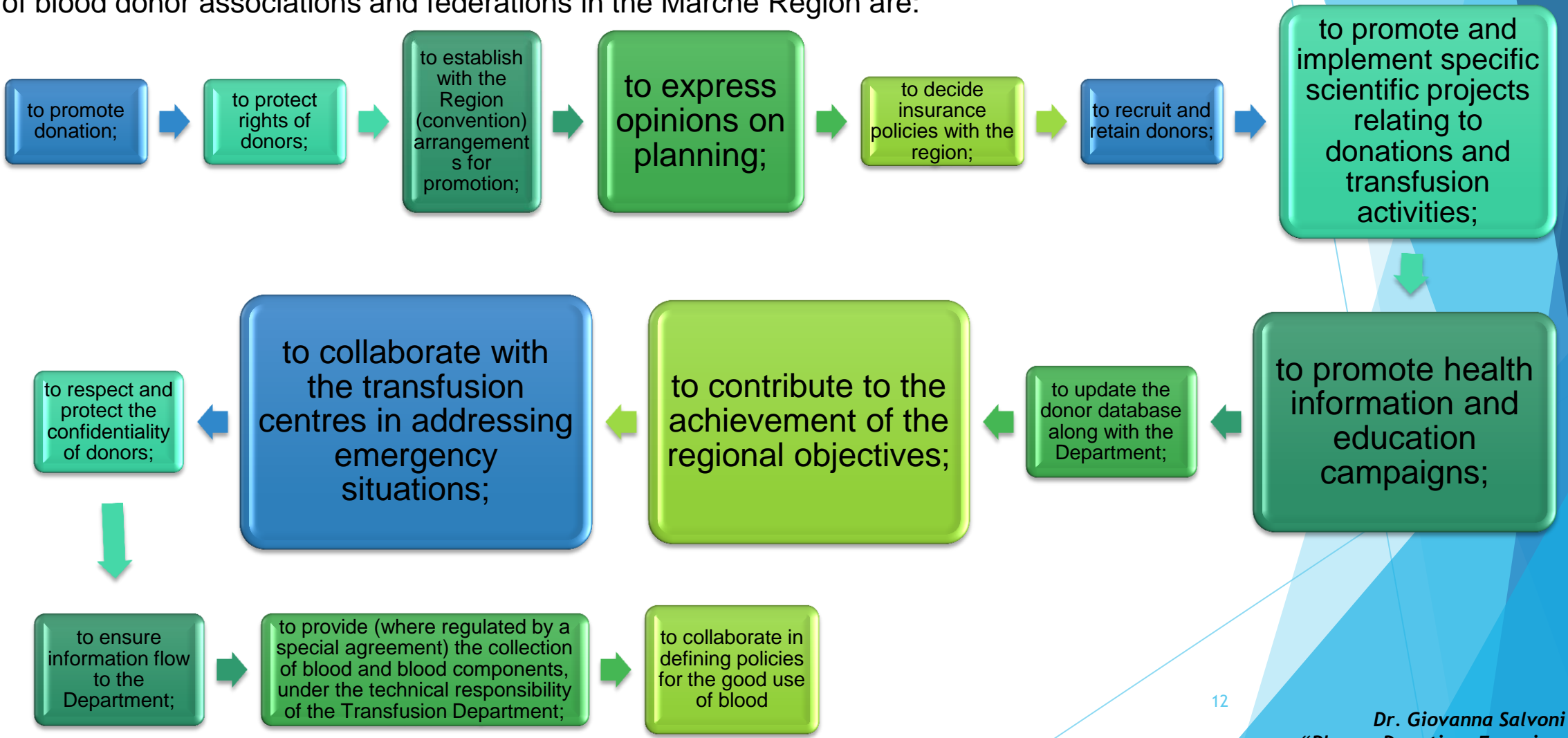


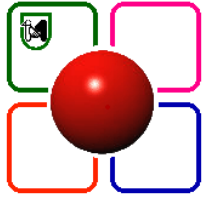


Which strategies lead to regional self-sufficiency?

RELATIONSHIP WITH VOLUNTARY BLOOD-DONOR ASSOCIATIONS

Based on DGRM No. 873/2008 and Departmental Regulation (Resolution No. 1.731 of 29/11/2010) the tasks of blood donor associations and federations in the Marche Region are:





Which strategies lead to regional self-sufficiency?

RELATIONSHIP WITH VOLUNTARY BLOOD-DONOR ASSOCIATIONS

Voluntary blood-donor associations are **members of the Departmental Committee** (decision-making and advisory body)



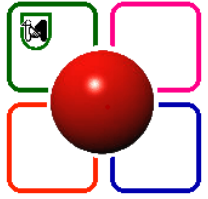
Sharing
regional
(and
national)
objectives

It expresses opinions:

- *on the proposed internal department rules as well as on the annual plan and the resource requirements, proposed by the Director of the Department;*
- *on the distribution of the departmental budget;*
- *on relationships with other departments.*

It exercises its advisory function on the structural changes of the department.

It approves models for monitoring and assessing the quality of blood transfusion services and for adopting diagnostic-therapeutic guidelines and protocols.



Which strategies lead to regional self-sufficiency?

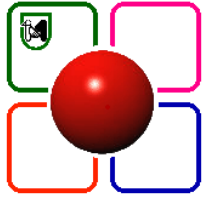
RELATIONSHIP WITH VOLUNTARY BLOOD-DONOR ASSOCIATIONS

Sharing promotion campaigns aimed to increase the number of regular donors



The greater the number of periodic donors, the more the Region's capacity to guarantee blood availability (also in emergency situations) for the citizens (also of other regions).





Which strategies lead to regional self-sufficiency?

RELATIONSHIP WITH VOLUNTARY BLOOD-DONOR ASSOCIATIONS/DONORS

Sharing daily
work-flow
(collection)

ACTUAL
AVAILABILITY
OF HOSPITAL
BLOOD BANKS



DIPARTIMENTO INTERAZIENDALE REGIONALE di MEDICINA TRASFUSIONALE
C.R.C.C. - Regione Marche
Tel. +39 071 5964007 FAX +39 071 880741 crcc@ospedaleirinuniti.marche.it



Disponibilita' reale emoteche Marche
Le disponibilita' sono relative alle unita' di emazie e sono ricavate in tempo reale.



Area riservata DIRMT
Questa area e' riservata al personale del DIRMT Marche.

Making
available their
test results and
the agenda of
their past
donations

REGIONAL
AGENDA
OF THE
DONORS



Agenda Regionale Donatori
Questa area e' riservata al personale addetto alla prenotazione dei donatori sull'Agenda regionale.



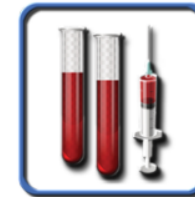
Associazioni
Questa area e' riservata alle associazioni di donatori e permette di visionare ed eventualmente scaricare i dati relativi alle donazioni effettuate dai propri donatori.

WEB-SPACE
FOR
ASSOCIATIONS
(to view and to
download data
related to
donations made
by their donors)

PERSONAL
AREA FOR
DONORS

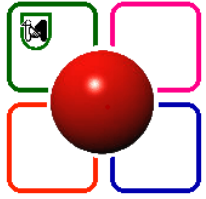


Area donatori
Questa area e' riservata ai donatori della Regione Marche.



Inserimento richiesta esami donatore d'organo
Questa area e' utilizzata per le richieste di esami per donatori d'organo, la sezione va utilizzata previ accordi con il Laboratorio Regionale di Medicina TrASFusionale e utilizzando le etichette prestampate specifiche.

Dr. Giovanna Salvoni
"Plasma Donation: Experience of the
Marche Region"

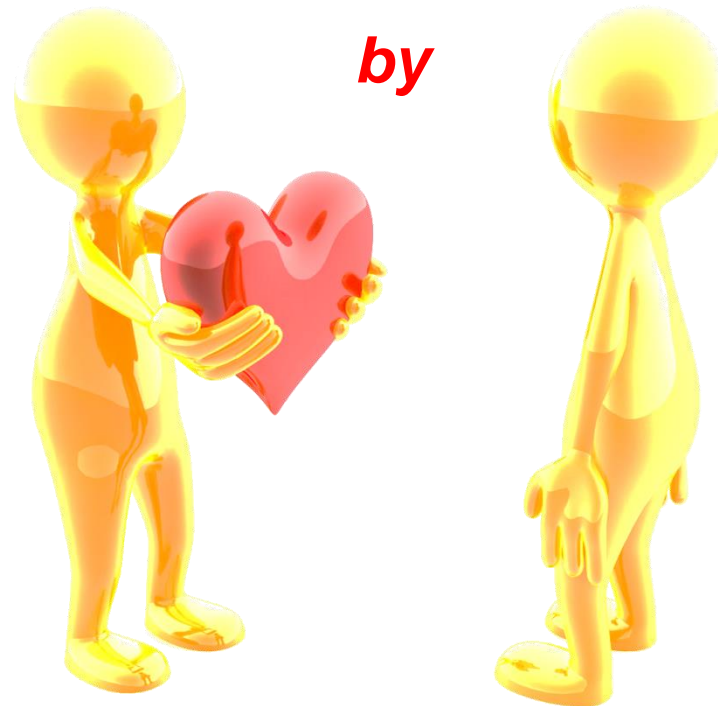


Which strategies lead to regional self-sufficiency?

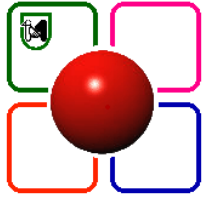
RELATIONSHIP WITH VOLUNTARY BLOOD-DONORS

One-to-one dialogues
aimed to engage them and to ... spread the message
"Donate when necessary and what is necessary"

Blood-donor
associations (for
example during the
periodic calls);



NHS (National
Healthcare System)
operators (during the
medical examination
pre-donation).



Which strategies lead to regional self-sufficiency? RELATIONSHIP WITH INSTITUTIONS

What are we trying to do?
Constant cooperation with

THE NATIONAL BLOOD CENTRE

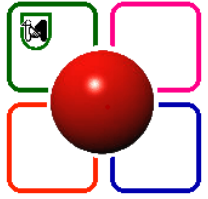
- Maintain a **constant working partnership** with the National Blood Center to contribute to achieving the annual national self-sufficiency, so that urgent needs can be addressed.

OTHER REGIONS

- Collaborate for inter-regional compensation of surplus blood-components and plasma-derived products;
- share the best practices in managing transfusion activities;
- move toward cooperative arrangements between regions for obtaining plasma-derived medicinal products.

THE MARCHE REGION

- Engage regularly the Marche Region in identifying the strategic goals and the operative objectives;
- promote a continue dialogue on the importance of inter-regional cooperation;
- propose virtuous actions to increase the plasma collection without strong impact on the regional health resources.



But... all of this does not happen by accident

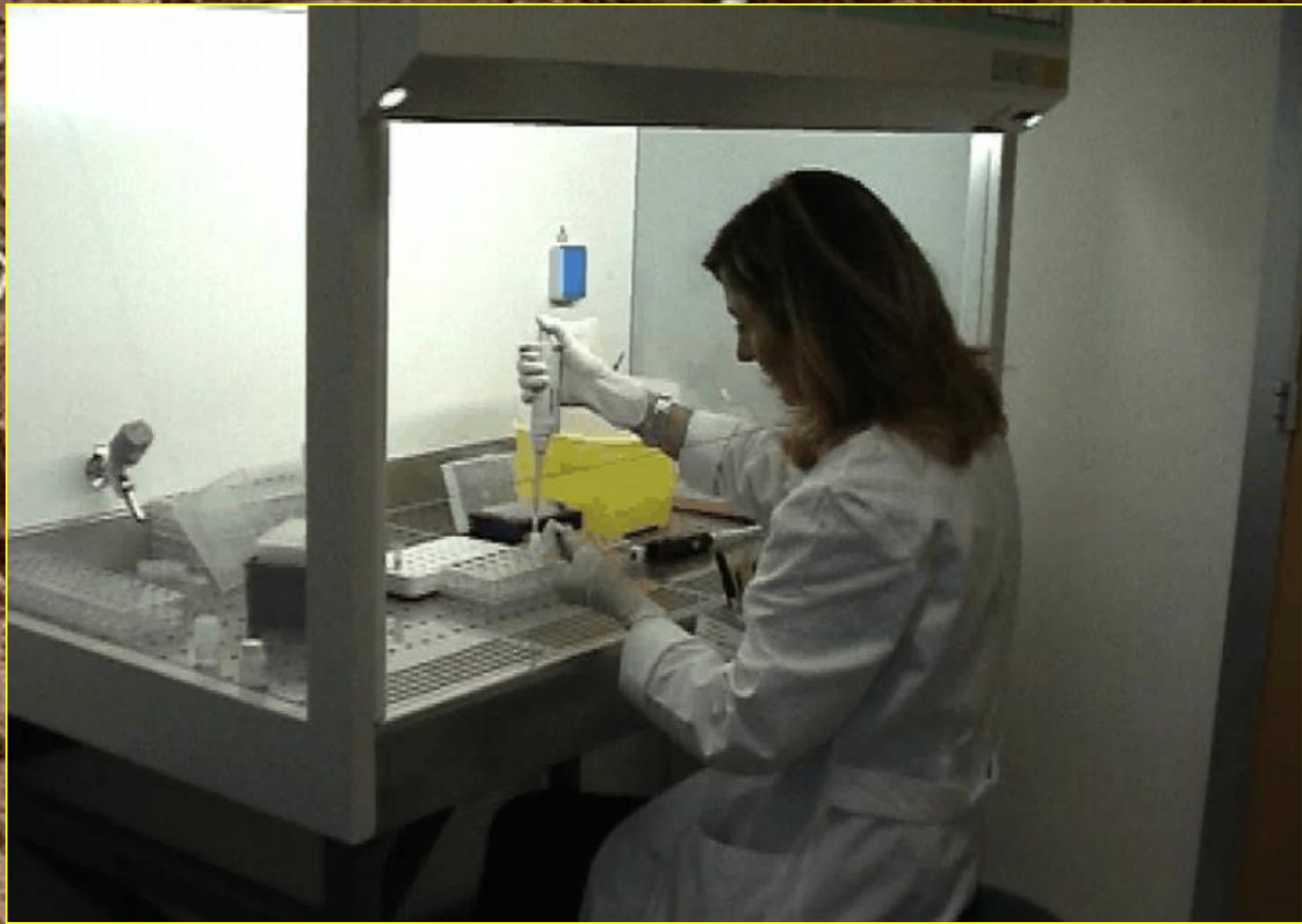
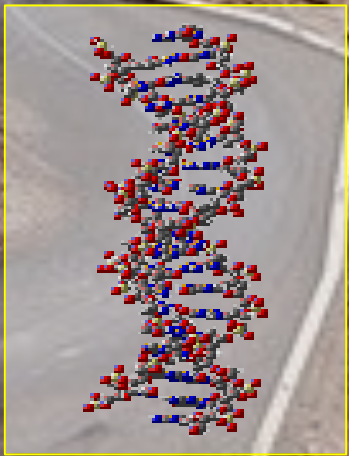
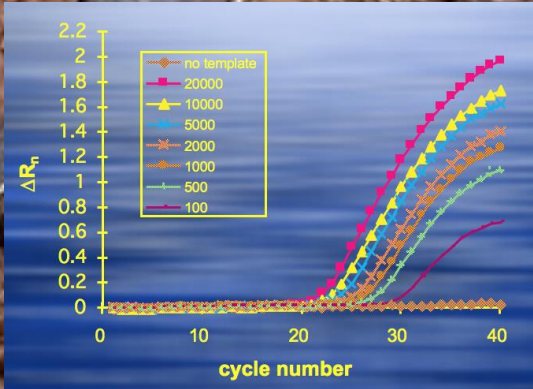
**The road map of
the Trasfusion
Medicine System
of the Marche
Region**

**OUR MAIN
STEPS**





NAT testing Year 2001





2001

2003

Regional Law No 13/2003: Institution of the Regional Department

➤ Indicators of activity

National Register of Blood 2004

Population = 1.519.421

WholeBlood = 63.510

Donors/year = 35.470

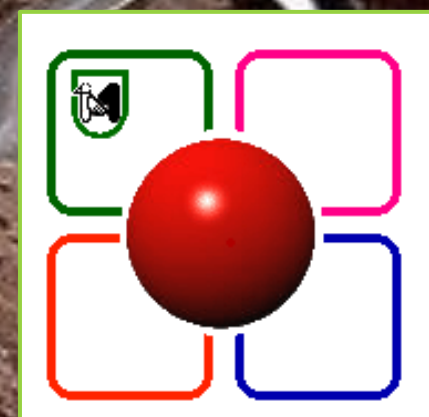
Plasmapheresis = 11.832

Donors/populationIndex = 1/43

DonationIndex = 2.1

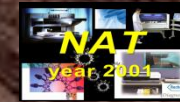


Donations
76.875



Sent plasma fractionation industry to :

19.759 litres



2001



2004

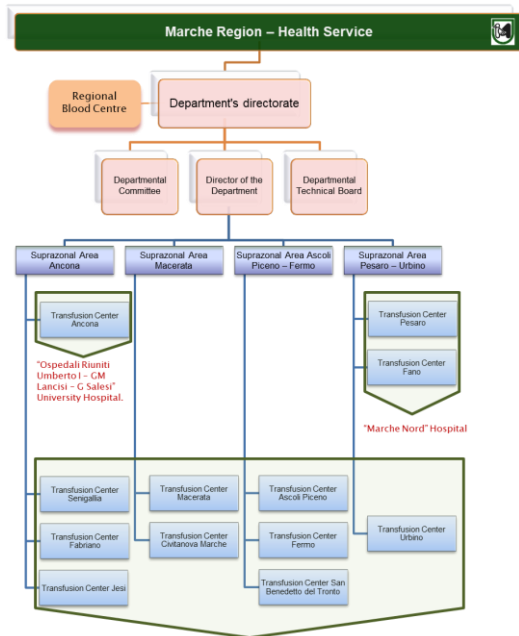
New technologies/systems

Laboratory Information Management System

- Modern laboratory automation
- Electronic Issue
- Blood Tracking
- Remote Issue
- Bedside systems
- Networked LIMS across sites
- New LIMS solutions
- Transportation systems

From 2004 to 2009
...updates until
today....

Working towards area goals....



Information System

Single Information System TMM

Computerized Transfusion request
Safe transfusion

Server WEB:

Centralized Laboratory of serum virology and molecular biology
Regional Registry of Donors
Management of medical equipment, bags and reagents warehouse
Management of medicines and industrial blood products warehouse
Constitution of the regional blood bank of "real availabilities"
Checking and compensation of blood components
Epidemiological Observatory
Regional Register of HDN

Management of the "Quality System"



Infrastructures
Road
Connection





2001



2004

New technologies/systems

- New Information Systems
- Laboratory laboratory automation
- Electronic filing
- Blood banking
- Reference systems
- Networked LIMS across sites
- New LIMS solutions
- Transportation systems

Information System

Single Information System (SIS)

Standardized Information System

Server MIS

Standardized laboratory of blood storage and transfusion centers

Management of the "Quality System"

road connection

2009

2014



Directives:
 2002/98/CE
 2005/62/CE
 2004/33/CE
 2005/61/CE
 State-Regions
 Agreement (2010,
 2012)

**Accreditation of transfusion
 centers and collection centers**



2017

PLANET agreement to plasma-derivatives production



2001



2004

Armed forces



Lazio

Campania

Marche

Tuscany

Molise

2009

New technologies/systems

- Laboratory automation
- LIMS (Laboratory Information Management System)
- Blood banking
- Robotics
- Networked LIMS across sites
- New LIMS solutions
- Transfusion systems

Information System

Single Information System (SIM)

Baricore Web

Management of the "Quality System"

2014

Directives
2002/98/CE
2005/62/CE
2004/33/CE
2005/61/CE
Agreement (2010, 2012)

2014

Accreditation of transfusion centers and collection centers



Today..



2001



2004

2017

**PLANET AGREEMENT
to plasma-derivatives production**



2009

New technologies/systems

- Hospital laboratory automation
- Laboratory information systems
- Blood typing
- Blood bank
- Biobanking systems
- Networked LIMS across sites
- New LIMS solutions
- Transfusion systems

Information System

Single Information System (SIM)

Computerized transfusion request

Baricr WIS

Management of the "Quality System"

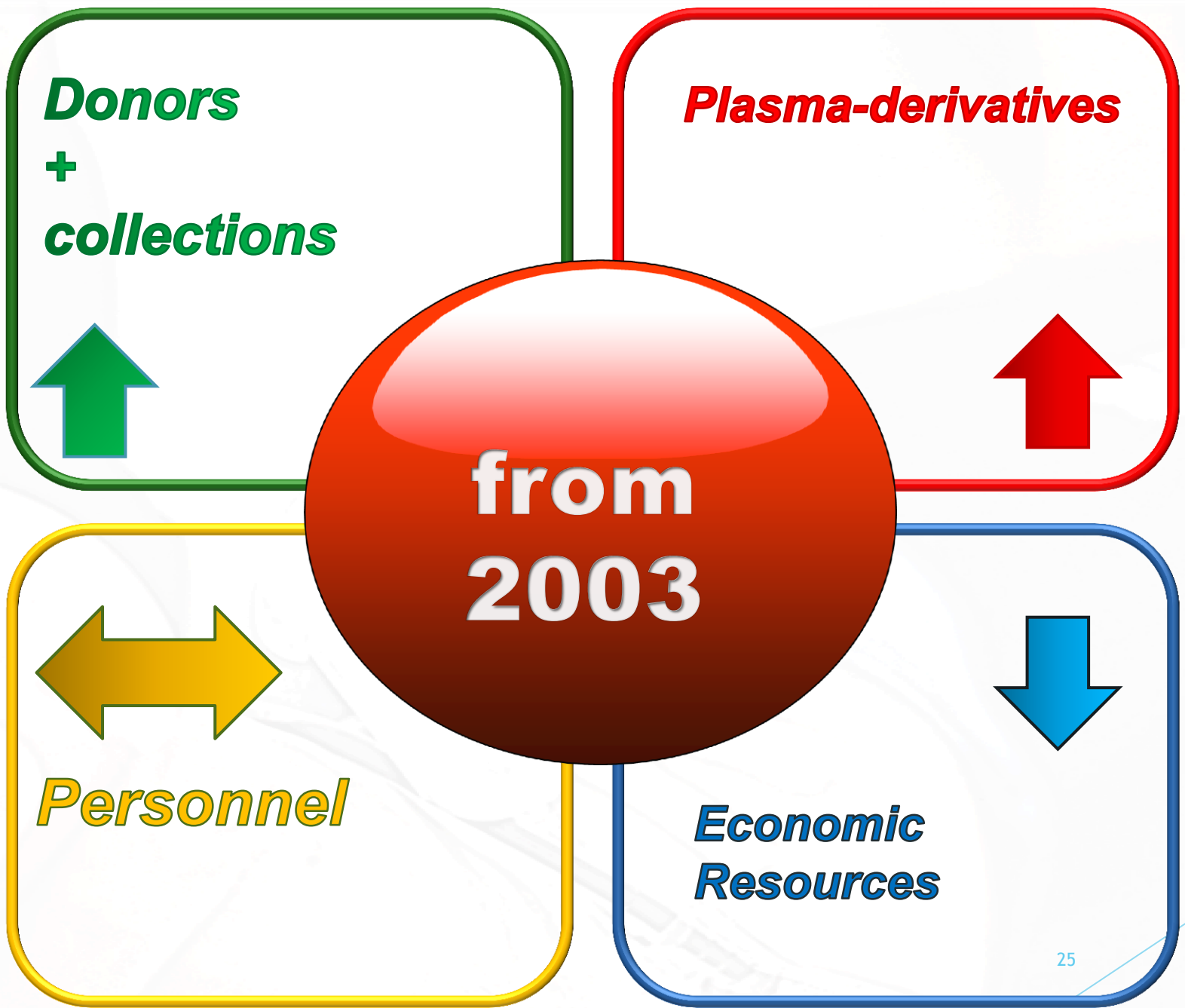
Map of Italy with red lines indicating road connections

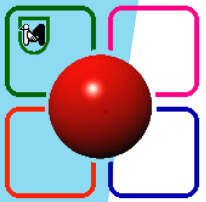
2014

Directives
2002/98/CE
2005/62/CE
2004/33/CE
2005/61/CE
Agreement (2010, 2012)

2014

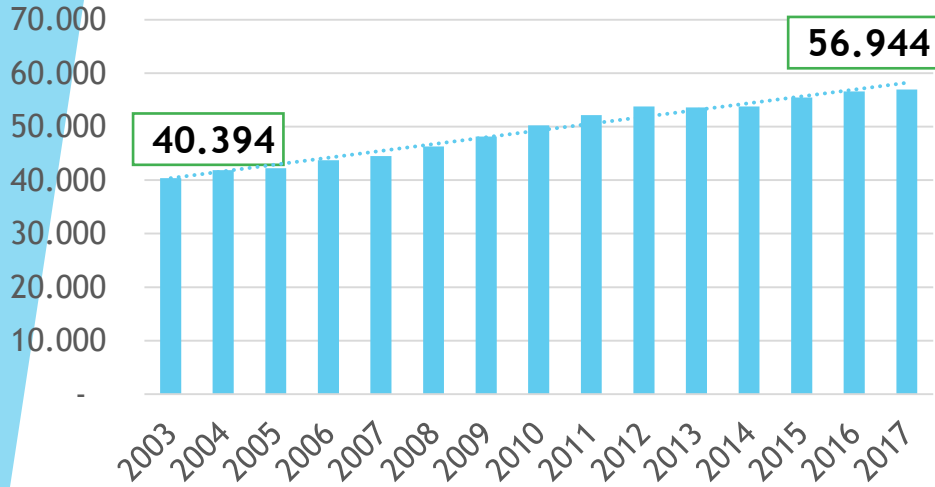
**Accreditation of
transfusion centers
and collection centers**





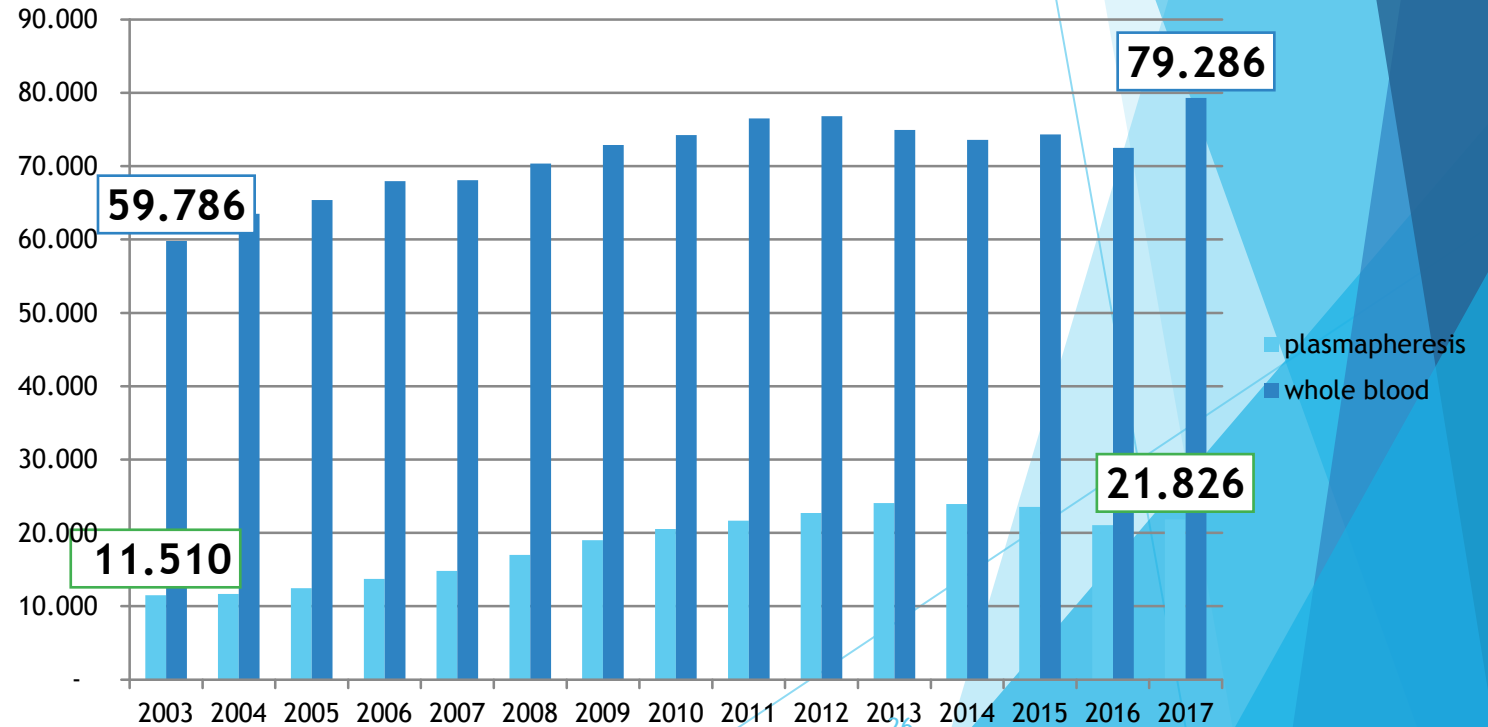
From 2003 up today ...

Donors + 41 %

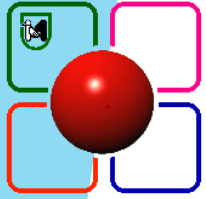


Plasmapheresis + 89,6%

Whole Blood + 32,6%

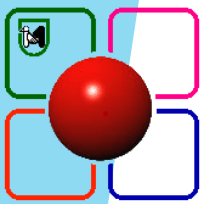


From 2003 up today ...



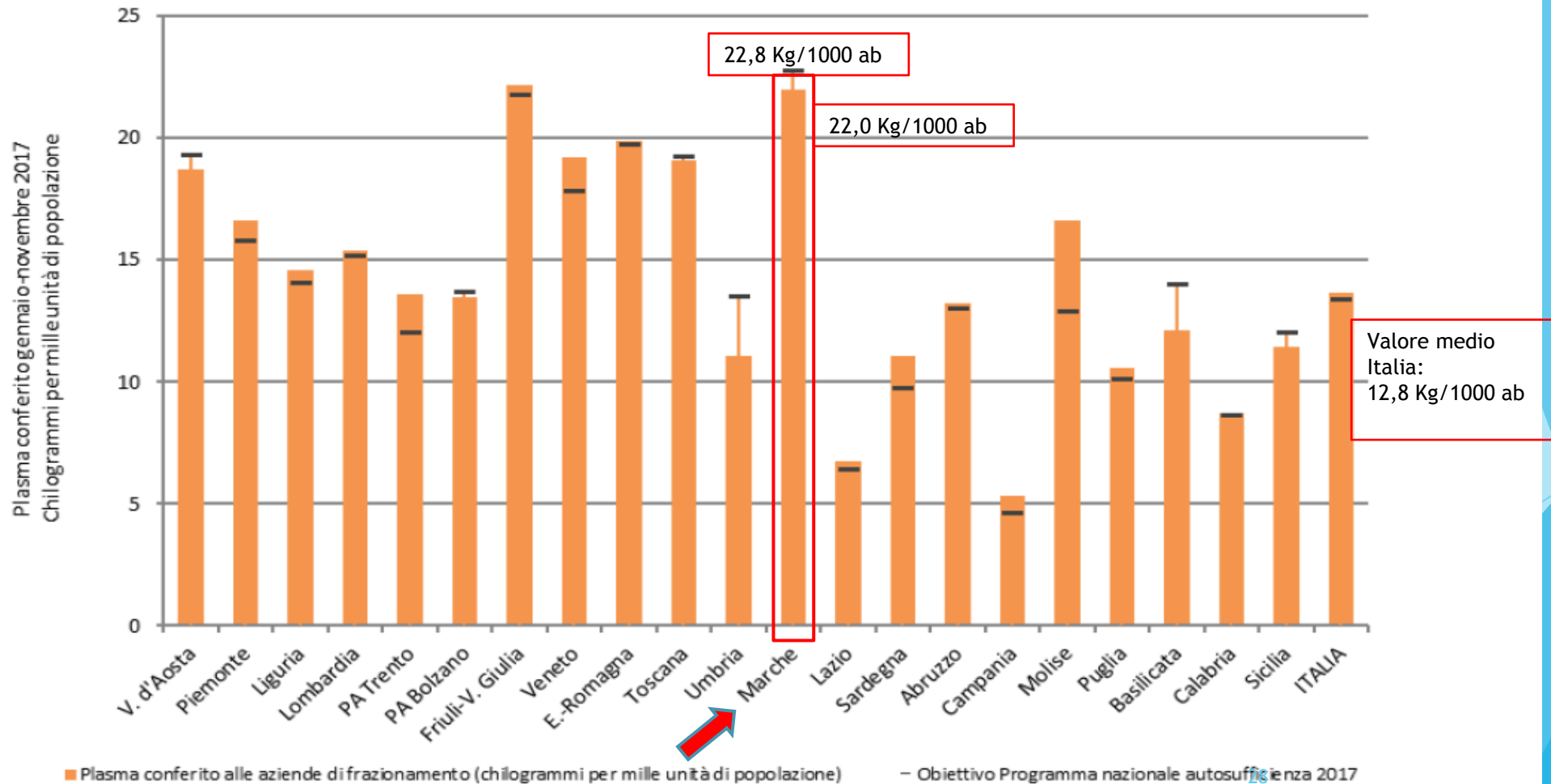
KG of plasma sent to the fractionation + 81,3%

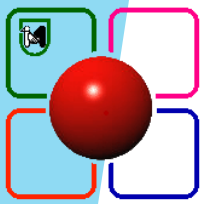




From 2003 up today ...

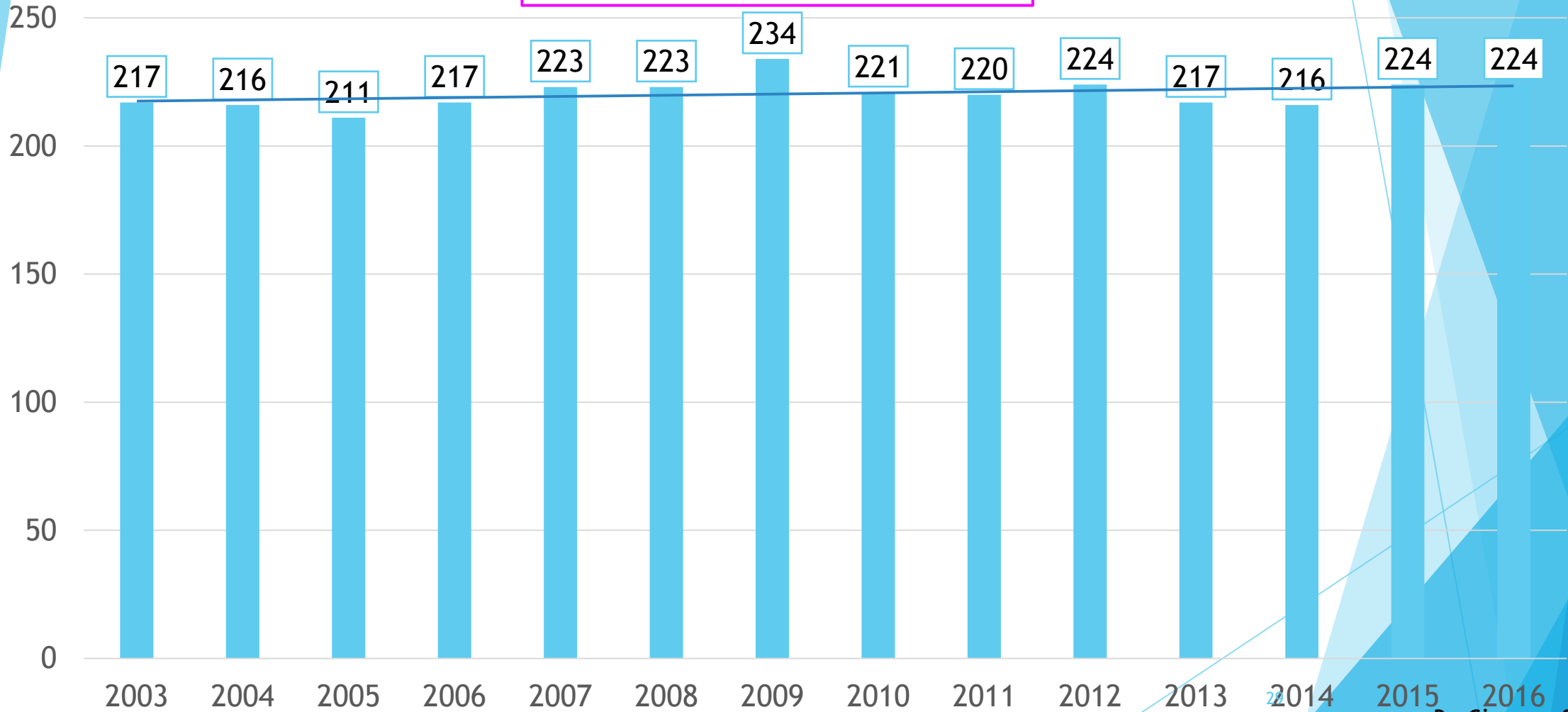
Figura 16. Plasma totale (chilogrammi per mille unità di popolazione) conferito dalle Regioni e PP AA nel periodo gennaio-dicembre 2017 e obiettivi di raccolta contenuti nel Programma nazionale autosufficienza 2017.

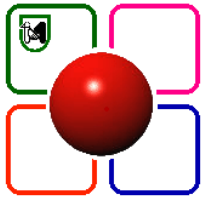




From 2003 up today ...

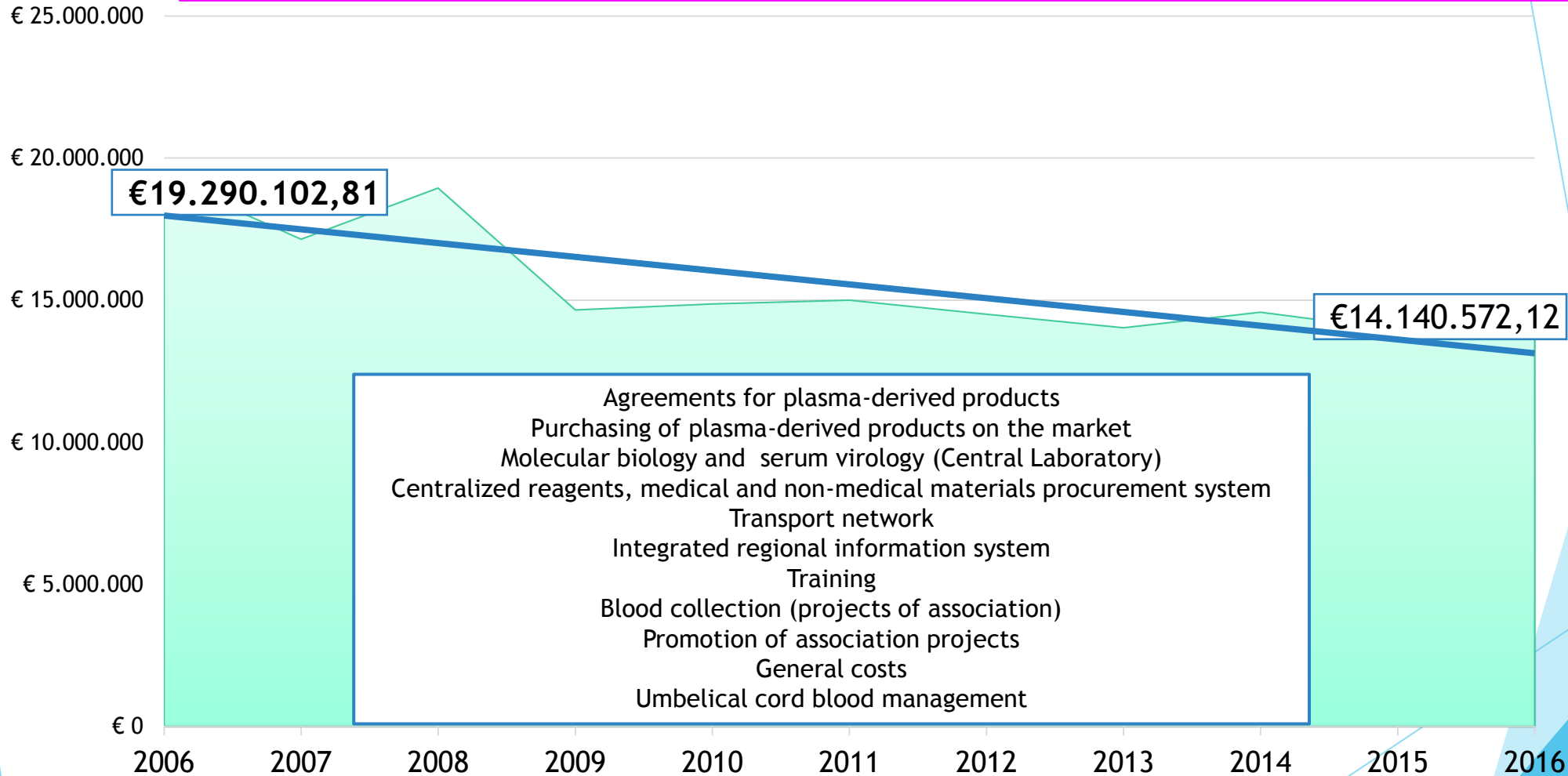
Personnel +/- 3%





From 2003 up today ...

Economic resources (managed by DIRMT) - 26,7%



Last
10
years

Conclusion ... The origin

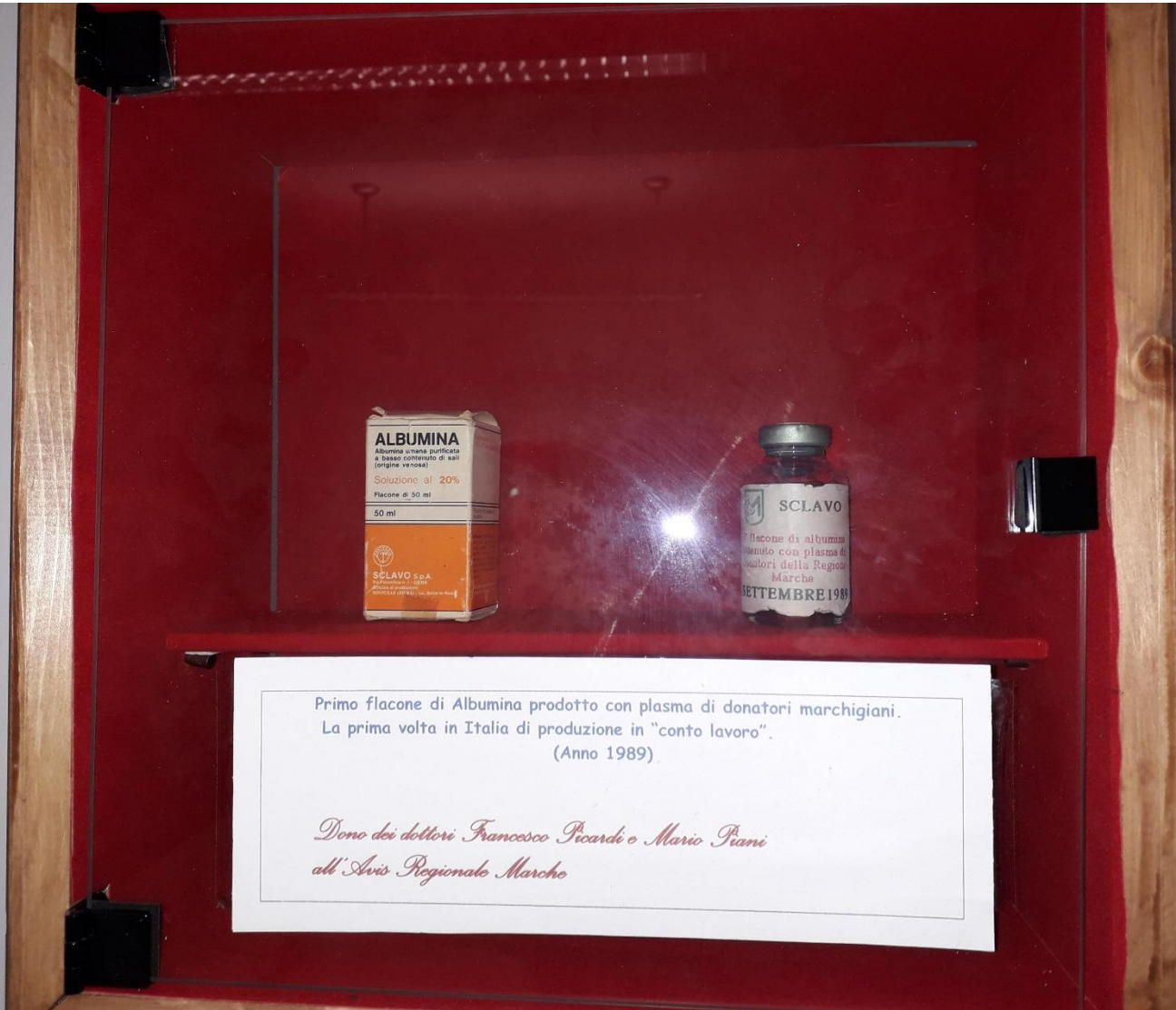
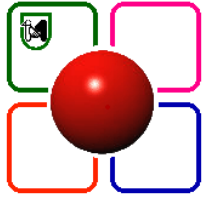


Tabella 4. Plasma totale (chilogrammi e chilogrammi per mille unità di popolazione) conferito dalle Regioni e PP AA nel periodo gennaio-dicembre 2017 e obiettivi di raccolta contenuti nel Programma nazionale autosufficienza 2017.

REGIONI, PP AA, Ministero Difesa	Plasma conferito nel periodo gennaio-maggio 2017 (kg)	Obiettivo Programma nazionale autosufficienza 2017 (kg)	Plasma necessario al raggiungimento dell'obiettivo 2017 (kg)	% sul totale obiettivo 2017	Plasma conferito alle aziende di frazionamento (kg per mille unità di popolazione)*	Obiettivo Programma nazionale autosufficienza 2017 (kg per mille unità di popolazione)*
V. d'Aosta	2.370	2.450	-80	97%	18,7	19,3
Piemonte	73.093	69.500	3.593	105%	16,6	15,8
Liguria	22.828	22.000	828	104%	14,6	14,1
Lombardia	153.786	152.000	1.786	101%	15,3	15,2
PA Trento	7.218	6.500	718	111%	13,4	12,1
PA Bolzano	7.155	7.200	-45	99%	13,6	13,7
Friuli-V. Giulia	26.778	26.500	278	101%	22,0	21,8
Veneto	86.191	87.604	-1.413	98%	17,6	17,9
E.-Romagna	88.354	88.000	354	100%	19,9	19,8
Toscana	71.356	72.000	-644	99%	19,1	19,2
Umbria	9.852	12.000	-2.148	82%	11,1	13,5
Marche	33.794	35.000	-1.206	97%	22,0	22,8
Lazio	39.745	38.000	1.745	105%	6,7	6,4
Sardegna	18.247	16.160	2.087	113%	11,0	9,8
Abruzzo	17.512	17.200	312	102%	13,2	13,0
Campania	31.083	27.000	4.083	115%	5,3	4,6
Molise	5.157	4.000	1.157	129%	16,6	12,9
Puglia	42.944	41.250	1.694	104%	10,6	10,2
Basilicata	6.481	8.000	-1.519	81%	11,4	14,0
Calabria	17.081	17.000	81	100%	8,7	8,7
Sicilia	57.688	61.000	-3.312	95%	11,4	12,1
M. Difesa	401	350	51	115%	-	-
ITALIA	819.114	810.714	8.400	101%	13,5	13,4

* Popolazione residente all'1 gennaio 2017 (<http://demo.istat.it> – Ultima consultazione 15/11/2017).



What strategies lead to regional self-sufficiency?

RELATIONSHIP WITH VOLUNTARY BLOOD-DONOR ASSOCIATIONS

Sharing daily
work-flow
(collection)



DIPARTIMENTO INTERAZIENDALE REGIONALE di MEDICINA TRASFUSIONALE
C.R.C.C. - Regione Marche
Tel. +39 071 5964007 FAX +39 071 880741 crcc@ospedaleiruniviti.marche.it

ACTUAL
AVAILABILITY
OF HOSPITAL
BLOOD BANKS



Disponibilita' reale emoteche Marche

Le disponibilita' sono relative alle unita' di emazie e sono ricavate in tempo reale.



Area riservata DIRMT

Questa area e' riservata al personale del DIRMT Marche.

REGIONAL
AGENDA
OF THE
DONORS



Agenda Regionale Donatori

Questa area e' riservata al personale addetto alla prenotazione dei donatori sull'Agenda regionale.



Associazioni

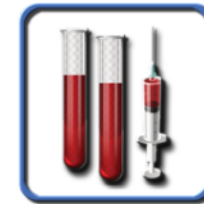
Questa area e' riservata alle associazioni di donatori e permette di visionare ed eventualmente scaricare i dati relativi alle donazioni effettuate dai propri donatori.

WEB-SPACE
FOR
ASSOCIATIONS
(to view and to
download data
related to
donations made
by their donors)



Area donatori

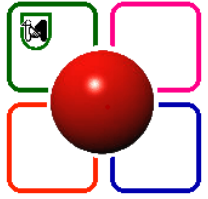
Questa area e' riservata ai donatori della Regione Marche.



Inserimento richiesta esami donatore d'organo

Questa area e' utilizzata per le richieste di esami per donatori d'organo, la sezione va utilizzata previ accordi con il Laboratorio Regionale di Medicina TrASFusionale e utilizzando le etichette prestampate specifiche.

Dr. Giovanna Salvoni
ma Donation: Experience of the
Marche Region"



What strategies lead to regional self-sufficiency? RELATIONSHIP WITH VOLUNTARY BLOOD-DONORS

By making
available their
test results;
agenda of their
past donations

PERSONAL
AREA FOR
DONORS

 **DIPARTIMENTO INTERAZIENDALE REGIONALE di MEDICINA TRASFUSIONALE**
C.R.C.C. - Regione Marche
Tel. +39 071 5964007 FAX +39 071 880741 crcc@ospedaleirunite.marche.it



Disponibilita' reale emoteche Marche

Le disponibilita' sono relative alle unita' di emazie e sono ricavate in tempo reale.



Area riservata DIRMT

Questa area e' riservata al personale del DIRMT Marche.



Agenda Regionale Donatori

Questa area e' riservata al personale addetto alla prenotazione dei donatori sull'Agenda regionale.



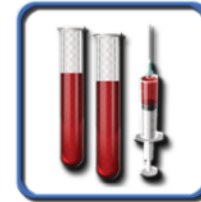
Associazioni

Questa area e' riservata alle associazioni di donatori e permette di visionare ed eventualmente scaricare i dati relativi alle donazioni effettuate dai propri donatori.



Area donatori

Questa area e' riservata ai donatori della Regione Marche.



Inserimento richiesta esami donatore d'organo

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Dr. Giovanna Salvoni
"ma Donation: Experience of the
Marche Region"

Quantità totale di plasma da conferire al frazionamento industriale per l'anno 2018 (kg e kg/1000 pop)

Regioni e Province Autonome	Plasma da conferire al frazionamento industriale (chilogrammi)
Valle d'Aosta	2.663
Piemonte	72.000*
Liguria	23.725
Lombardia	153.786
Prov. Auton. Trento	7.387
Prov. Auton. Bolzano	7.061
Friuli-V. Giulia	26.987
Veneto	94.515*
E.-Romagna	88.354
Toscana	72.000
Umbria	11.368
Marche	35.000*
Lazio	41.358
Sardegna	18.730*
Abruzzo	17.913*
Campania	37.462*
Molise	5.500
Puglia	43.000*
Basilicata	8.582
Calabria	18.635
Sicilia	61.500*
S.T. Forze Armate	401
Italia	847.927

