



CURRENT STATUS IN SAFE BLOOD AND BLOOD COMPONENTS IN TURKIYE

Nigar ERTUGRUL ORUC, M.D.

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GENERAL INFORMATION



Surface : 783,562 km²

Population : 80 million

Birth rate : 0.17 %

Death rate : 0,5 %

Young adult (18 -35) : 47 %

Population in rural area : 25 %

Average Life expectancy: 75 years

(72 men, 77 women)



DEMOGRAPHIC DATA



Gender

Male : 50.4 %

Female : 49.6 %

Age Distribution

0 - 18 : 31.3 %

19 - 64 : 61.2 %

> 64 : 7.5 %

Median Age : 29.6

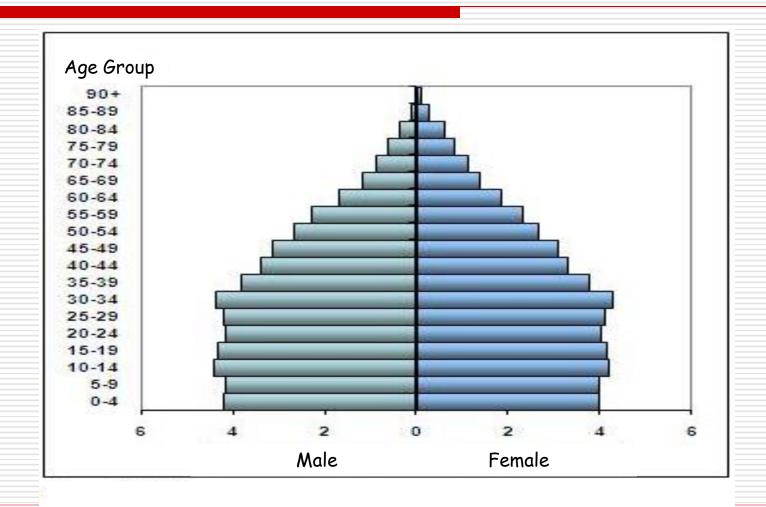
Male : 29

Female : 30



AGE AND GENDER DISTRIBUTION OF POPULATION







MILESTONES



- 1983 First Blood Law (Nu: 2857) (paid donation was banned)
- 2005 Use of ISBT 128 Labelling System
- 2006 Accreditation activities (JCI, etc),
- 2007 Current Law on Blood and Blood Products (Nu:5624),
- 2008 Implementing Regulation on Blood and Blood Products,
- 2009 The National Guide on Blood and Blood Products,
- 2012 EU project of "Strengthening the Blood Supply System in Turkiye" (completed)
- 2014 EU project of "Recruitment of Future Blood Donor" (on going)



BACKGROUND



Regulation on blood and blood products in Turkiye is updated in accordence with EC directives;

- to secure self sufficiency of blood collected from voluntary nonremunerated blood donors
- to improve the safety and the quality of blood and blood components



LEGAL FRAMEWORK



- New Law on Blood and Blood Products (Law No: 5624, OJ No: 26510, 02.05.2007)
- "Blood and Blood Products Implementing Regulation" (December, 2008),
- "National Guide on Blood and Blood Products (2009-2011),



LEGAL FRAMEWORK



- National Standards for Blood Services
- National Guide on Total Quality Management in Blood Services
- National Guide for Preperation, Use and Quality Assurance of Blood an Blood Components
- National Guide of Hemovigilance
- Guide on Appropriate Clinical Use of Blood
- Inspection Guide for Blood Services



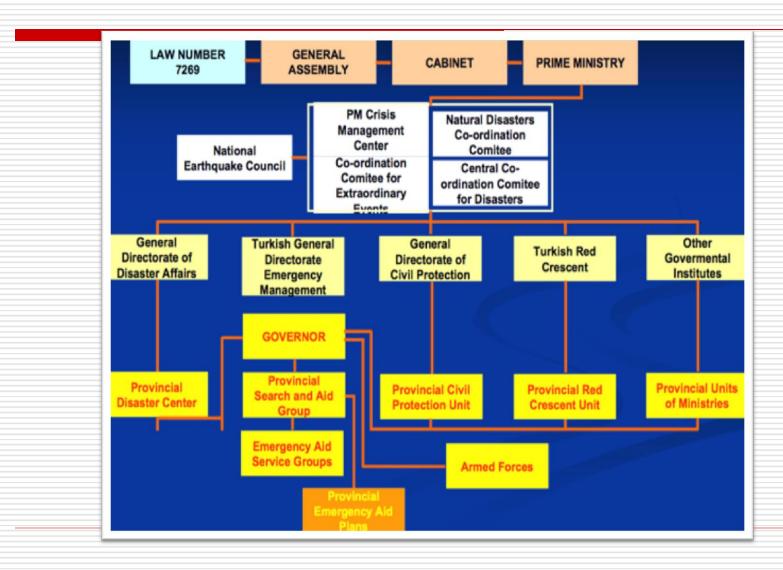
EMERGENCY DOCUMENTATION



- Implementing Regulation and Crisis Preparedness Plan for EMS
- Risk Assessment and Preparedness Information System
- National Action Plan of Blood Services for Disasters
- → Written Standards and Protocols of Triage System
- Procedures for patients without identification system
- Haemovigilance reporting systems
- Biosecurity protocols











- Ministry of Health (MoH) is the main authority on blood banking and transfusion system,
- MoH has the responsibility for blood policy, legislation and the implementation of regulations,





Provincial Directorate of Health is responsible for;

- licensing,
- auditing,
- inspection of blood establishments
 - hemovigilance





- Board of Blood as a professional advisory board of Ministry of Health
- Training Committe of Blood Banking and Transfusion Medicine Instruction
- Hospital Transfusion Committees





- Regional blood centres are managed nationally by Turkish Red Crescent
- Transfusion centres are managed by various institutions such as university hospitals, training and research hospitals of MoH, private hopitals etc..
- Private blood banking was prohibited in 1983 by Blood Law.



ORGANIZATION OF HEALTH CARE AND THE BLOOD TRANSFUSION SERVICE

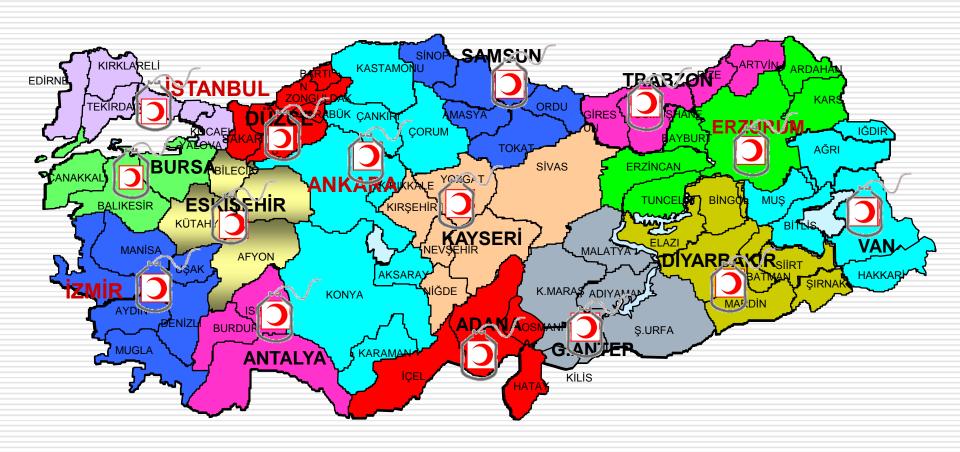


	PUBLIC	PRIVATE	OTHERS
Reagonal Blood Centers/ Blood Centres	-	-	16/60
Temporary Regional Blood Establishments	35	-	-
Hospitals Performing Transfusion Therapy	509	432	12
TOTAL	544	432	



Regional Blood Centers of TRC







Number of Certified Personnel



Personnel	Number
Specialist Physicians	430
Physicians	490
Technical Personnel	5414
Total	6343



Certification program on Blood Banking and Transfusion Medicine



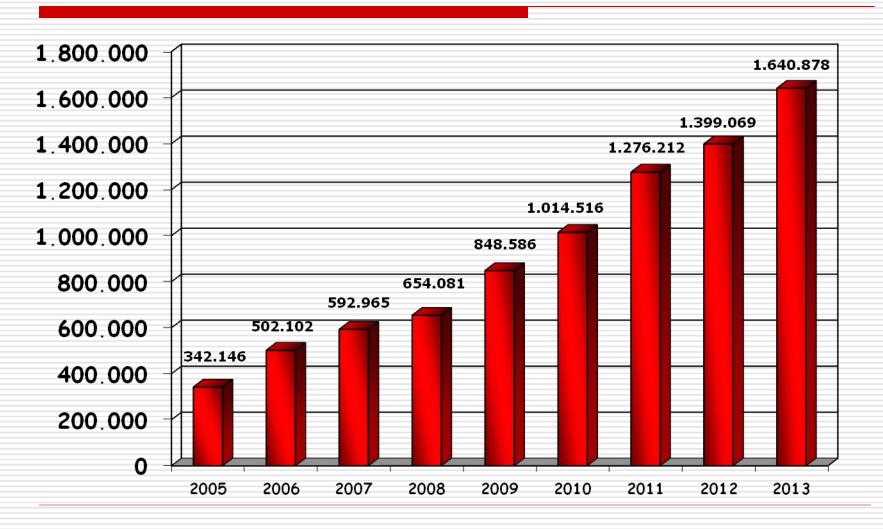


TRAINING FIELD	NUMBER OF TRAINEES
Administratif Training	100
Training of Trainers (C3)	100
Total Quality Management	1200
Haemovigilance	1200
Quality Control	250
Clinical Use of Blood	760
Trainers of Inspector	30
Inspector Training	90





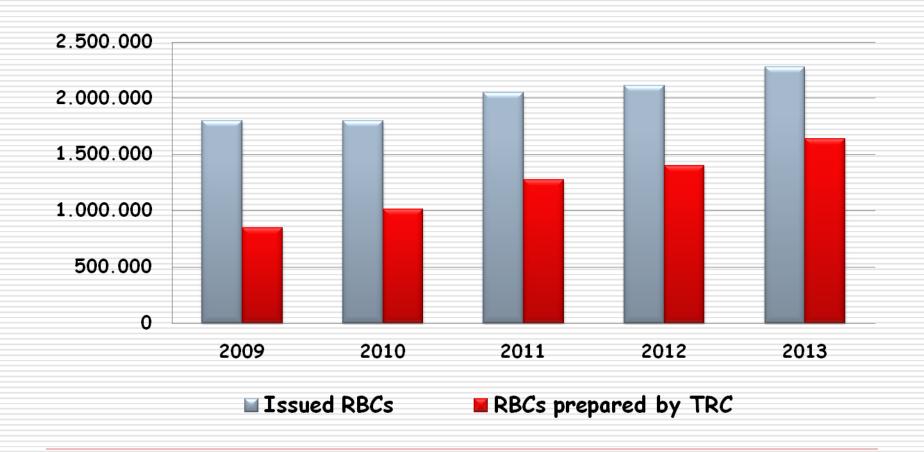






Annual Demand Supplied by TRC

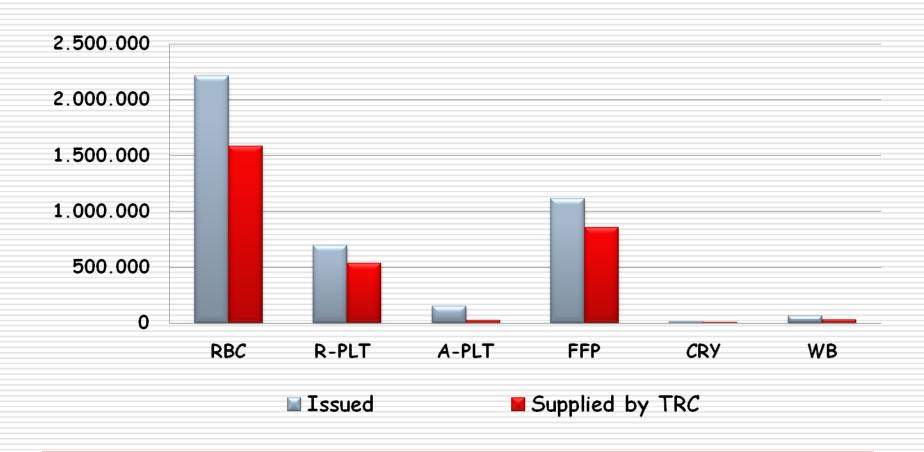






Annual Demand Supplied by TRC

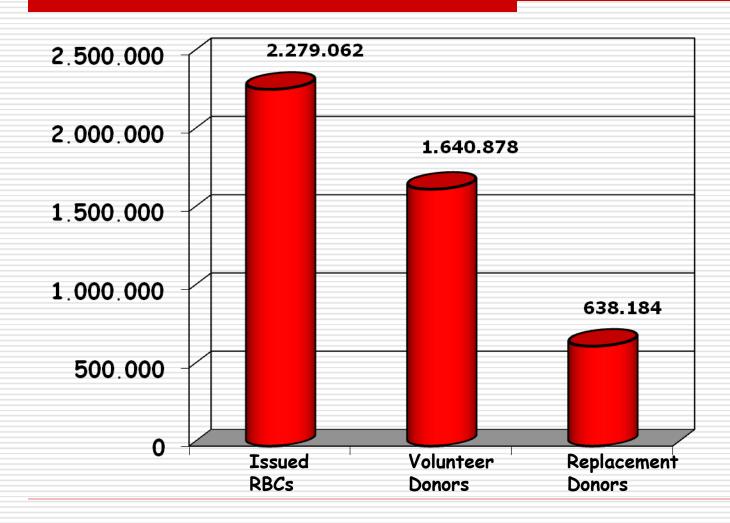






Sources of Blood Supply (2013)

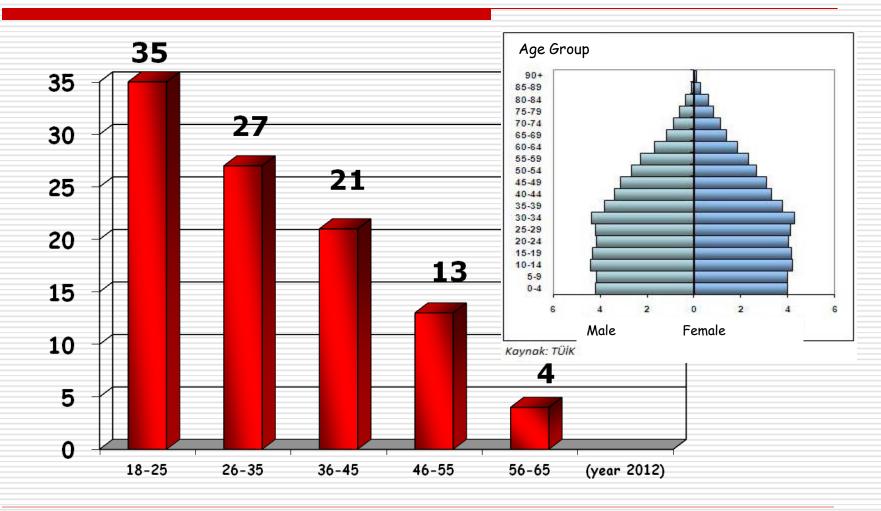






Donation rates by age







NATIONAL DATA PROCESSING



- Blood donor register
- → Available blood supplies
- Clinical demand/use of blood
- Blood supply activities
- Blood transfusion activities
- Haemovigilance



BSM SYSTEM



