

Establishing & Developing a Model Blood Bank in Georgia

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Blood Bank of Joe Ann Medical
Center

Tbilisi, Georgia

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Reasons for Establishing

- **Lack of blood components
(inadequate blood donation system)**
- **Low quality of blood products, often hazardous
(outdated technologies)**
- **Incomplete testing of donor blood**



2000 Statistics

**16616 donor blood units prepared and transfused,
of this checked for infections**

- HIV -15855
- Hepatitis B -16112
- Hepatitis C -15831
- Syphilis -16365



Blood Product Safety

- **Volunteer donors**
(commercials, promotion,
secondary donations)
- **Donor Selection**
(records, testing)
- **Donor blood collection**
(disposable supplies, closed transfusion sets)
- **Preparation of blood components**
- **Storing of blood components**



Blood Product Safety

- **Labeling**
- **Transportation**
- **Testing**
- **Typing**
- **Compatibility Testing**



Components Produced

- **Red Blood Cells**
- **Fresh Frozen Plasma**
- **Platelet Concentrate**
- **Cryoprecipitate**



Statistics

Some current data

- Registered Donors 3120
- Admitted to Donation 2550

Components prepared **6920, of this**

- Red Blood Cells 2550
- Plasma 2454
- Platelet Concentrate 1916



Number of Infected Donors

• Syphilis	43
• Hepatitis B	55
• Hepatitis C	120
• HIV	8
Total	225



Future Plans

Hemapheresis

- Therapeutic
- Donor (truncular cells, thrombapheresis, granulapheresis, plasmapheresis)

Cryobank

- Truncular Cells
- Rare Blood Groups

Mobile Crews



Our thanks to

Our Donor Organizations :

**USAID, AIHA, OSI, Global Healing,
SMF Blood Centers, United Blood Services
Carelift, Immucor, Baxter, Coca-Cola, etc.**



Individuals :

**Chris Gressens, Lee Schuller, Ron Newton, Cindy Eaton, Lillian
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