

# Transfusion Medicine, Public Health and Updates on National Policies and Guidelines

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# Process of Policy formation

## Need

- RTI, Program Specific Reports
- Parliament Questions

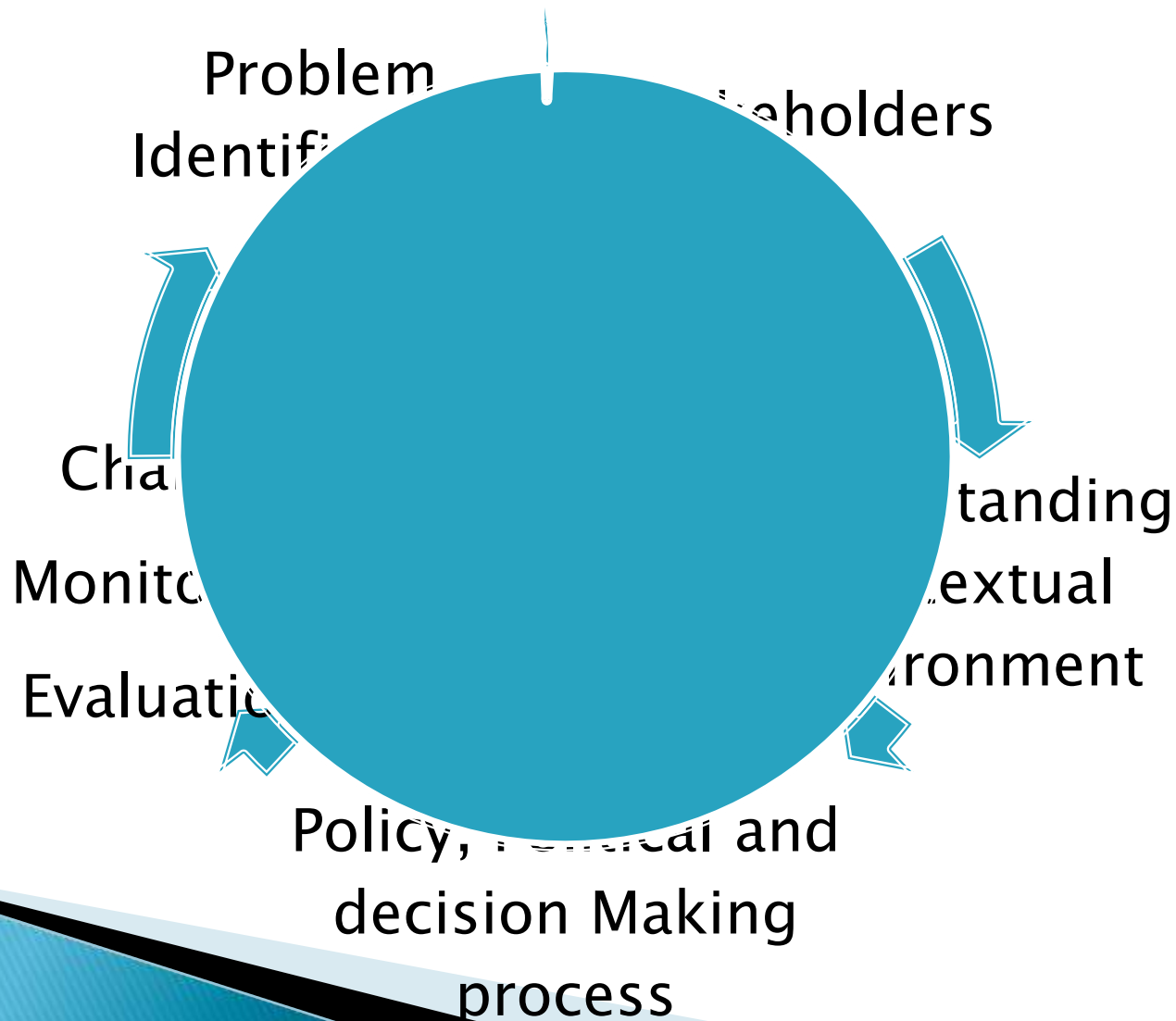
## Agenda

- Draft discussion with Stakeholders
- Revision/ Adoption

## Approvals

- Advisory Group, Open for Public opinion
- Beurocratic and Ministers Approval

# Managing Process



# National Blood Services (NBS)

**NBTC–NBP**

**Advisory body–  
All Stakeholders**

**Blood transfusion services  
(BTS)– Action Plan, Resource  
Allocation, Capacity Building**

**Facilities with transfusion committees  
for the timely provision of blood  
components**

# Programmatic Focus Areas of BTS

- Availability of blood in Adequate Quantity
- Enhancing Safety
  - IH
  - TTI
- Processing of blood into components
- Equitable access
- Quality blood
- Affordability



# Access to Safe Equitable & Sufficient Blood Supply

Repeat Regular NRVBD

Component Preparation

Pre Tx Screening

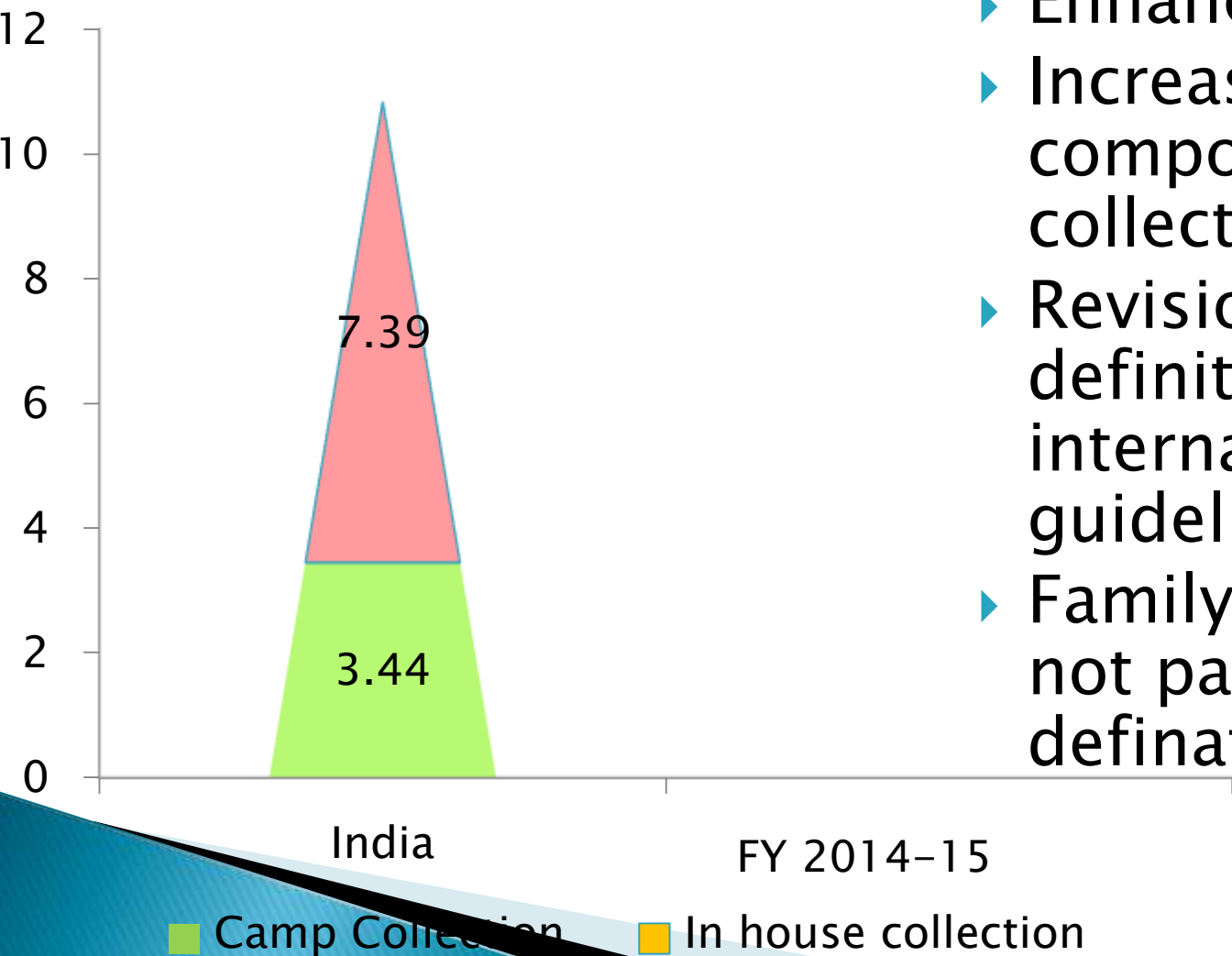
Quality Management

Clinical Tx Guidelines

Hospital Tx Committee

Well Networked Nationally Coordinated BTS

# Availability of blood in Adequate Quantity- Enhancing Collection with increasing percentage of safe VBD collection




- ▶ Enhancing Collection
- ▶ Increasing component of VBD collection
- ▶ Revision of VBD definition as per international guidelines - 2014
- ▶ Family donors are not part of VBD definition

Availability of blood in Adequate Quantity-  
Enhancing Collection with increasing percentage  
of safe VBD collection- contd.

- ▶ Onus of optimum blood inventory is on blood banks
- ▶ Limiting factor–Voluntary Blood Donation
- ▶ Expansion of blood banks that can conduct outreach blood donation camps– approved by DTAB. (2015–16)
- ▶ **No objection certificate (NOC) guidelines released in 2015–16 Includes**
  1. Increasing VBD
  2. HR for such purpose
  3. Monitoring of VBD



# Processing of Blood-Componentization

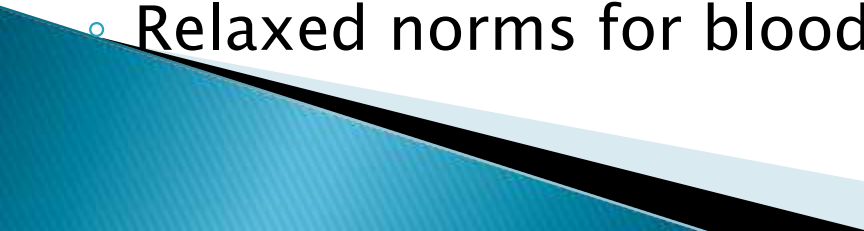
- ▶ NBP promotes blood componentization
  - ▶ NACO and NHM has mobilized central govt. funds to strengthen BTS in country
  - ▶ Revised guidelines for NOC (2015)- to ensure that blood banks go up gradation of whole blood based blood bank for BCSU in due course of operations
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# Processing of Blood-Componentization

- ▶ PDMP – Essential Medicines
- ▶ High Import dependence
- ▶ Capacity exists in the country to meet major demand
- ▶ Need to improve Quality & Quantity of Plasma
- ▶ Added plasma policy to NBP to improve self reliance of PDMP in 2014
- ▶ To augment plasma production for the PDMP and strengthen BB/ BTS in the country. Also resource for SBTC to strengthen BTS in state (2015).
- ▶ Widely Circulated to states/ facilities

PDMP– Plasma Derived Medicinal Products

# Equitable access- Centralized Blood Services

- ▶ Centralized blood services
    - Hub and spoke model
    - Enhance efficiency of BTS
  - ▶ Encourage Increase in number of
    - RBTC
    - Blood Storage Centers
  - ▶ Strengthen Network of Blood Storage Centers (BSC)
    - BSC in all hospitals where blood is regularly transfused
    - Encourage to store blood components if prerequisite infrastructures are there
  - ▶ Guidelines for the RBTC (2015)
    - Relaxed norms for blood collection
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# Equitable access- Bulk Transfer of blood among blood banks

- ▶ Blood is a Drug regulated
- ▶ Interbank transfer among blood banks– no clear cut guidelines
- ▶ Lead to
  - Imbalance of shortages and excess
  - Hospitals devised their own strategies
  - Potential threat to safety and access of safe blood for patients
- ▶ Practice of blood transfer between RBTC and BSC
- ▶ NBTC GB bought clarity and ease as per guidelines
  - Defines roles and responsibilities of both parties
- ▶ Has been accepted by all states

# Equitable access- NHP

- ▶ MoHFW– Health Portal
- ▶ Portal for blood banks stock entry and public access
- ▶ Display blood/ component stocks that can be shared.
- ▶ Linked to mobile app
- ▶ Notification has been released to enroll blood banks
- ▶ <http://www.nhp.gov.in>
- ▶ Current status–
  - Nearly all blood banks are enrolled
  - Good proportion shares stocks on regular basis


# Affordability

- ▶ Essential for BTS
    - Self sustainability
    - Not for profit
  - ▶ Quality demands running expenditure
  - ▶ Bridging of gap– NBTC released guidelines in 2014.
  - ▶ Comprehensively covers all major aspects of processing of blood units
  - ▶ Cost does not limit use of evidence based practices
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# Enhancing Safety

- ▶ TTI gives thrust to blood safety
- ▶ HIV is most commonly discussed
- ▶ Hepatitis B & C high burden
- ▶ Promote ELISA use > Rapid (Modernization of Blood Banks)
- ▶ Currently under Consideration
  - NAT Screening
  - 4<sup>th</sup> Generation/ more sensitive kits
  - EQAS – includes IH
- ▶ DGHS technical manual– under revision
- ▶ Zika notification has been released in Feb 2016 with amendment in Oct 2016

# Transfusion Manual – Technical Manual, DGHS, MoHFW

- ▶ Thrust to improve all aspects of BTS in country
  - ▶ Reference document for BTS in country
  - ▶ Last edition 2002
  - ▶ NBTC – ownership for revision
  - ▶ Encompasses operational and technical guidelines
  - ▶ Include various sections including clinical use of blood– list
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