



# Cord Blood Advisory Group: Organization and Highlights

(from November 2013 meeting)

Presented to the AABB Center for Cellular Therapies Cord Blood subsection by

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# NMDP Cord Blood Advisory Group

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- Formed early in NMDP involvement in cord blood facilitation
- Includes representatives from:
  - Cord Blood Banks – medical directors and staff
  - Transplant physicians
  - Research
  - Laboratory
  - Regulatory
  - Government agencies – HRSA
  - NMDP staff

# NMDP Cord Blood Advisory Group

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- Accomplishments
  - Set inventory criteria – collection, processing, testing, cell counts
  - Set suitability criteria – maternal, family, and infant
  - Accreditation by either AABB or NetCord/FACT as a membership criteria
  - Collaboration with CIBMTR for improved reporting to the banks
  - Inter-bank proficiency program

# NMDP Cord Blood Advisory Group

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- Three subgroups
  - Research
    - Potency
    - Proficiency Testing
  - Collections
    - Best Practices
    - Recruitment Materials / Donor Education
  - Quality Standards
    - Review of adverse events and product complaints
    - Inventory requirements
    - Data forms – MRQ, FMHQ
  - Cord Blood Data Working Group

# NMDP Cord Blood Advisory Group

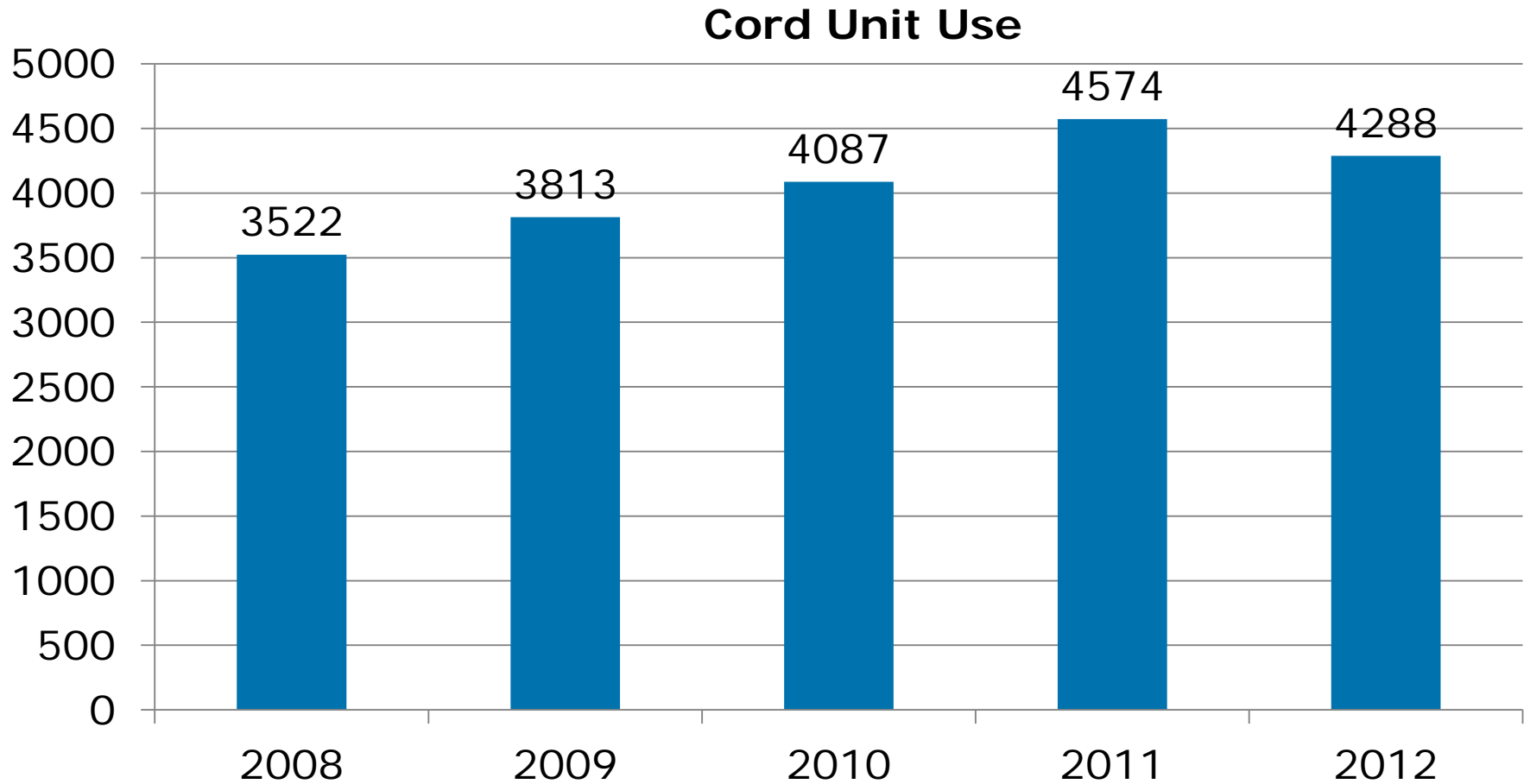
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- Subgroups meet quarterly
  - Teleconference
- Meet twice per year
  - In person
  - June associated with Cord Blood Symposium
  - November/December – Minneapolis
  - Agenda includes:
    - Reports from subgroups
    - Update from HRSA
    - Update from NMDP
    - Current topics / Broader range topics
      - Cord blood usage, pricing, licensure, strategy

# NMDP Cord Blood Advisory Group

- Highlights from last meeting
  - HRSA update
    - CW Bill Young transplant program shows growth – donor and cord blood
      - Over 11.2 million donors on registry – 3 million racial/ethnic minority, 400,000 donors added in 2013
      - Almost 284,000 CBUS on registry – over 40% minority
      - 7.7% increase in number of tx
  - NMDP update
    - See decline in cord blood shipments and transplants, both imports and exports
    - Inventory growth continuing – larger units (TNC) being added as well as selected by TCs
    - Growth in haplo transplants

# Cord Blood Use Trend Worldwide (including Japan)



# Trends in Haplo Use – CIBMTR Data

- Growth in use of haploidentical transplants in US:

	2009	2012	Increase
Caucasian	123	218	77%
Hispanic	17	55	224%
Afr Amer	36	100	178%
Total	176	373	120%

- Haplo as a percentage of alternative donor (unrelated+cord+haplo) transplants:

	2009	2012
Caucasian	4%	5%
Hispanic	6%	14%
Afr- Amer	18%	28%



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- NMDP update continued
  - Pricing discussion, pricing models, cost issues related to banking, selective banking, education of payors
  - Cord blood transplant focus and education
  - Ways to decrease costs
    - Centralized high resolution recruitment typing
    - Group purchasing
    - Reimbursement for patients on clinical trials
- Subgroup reports
  - Research - Retrospective CFU study
  - Cord Blood data working group – changes to outcomes reports, standardization for info provided to FDA

# NMDP Cord Blood Advisory Group

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- Highlights of last meeting cont.
  - TC Release Criteria Survey
    - NetCord/FACT survey
    - Info on general testing performed at TC as well as requirements for identity testing
    - Raw data available and will be analyzed for next meeting
    - Actions to take/recommendations to make as result of survey
  - EmTrax/Operations Updates
    - Review of updates since releases of application
    - Demonstration of proposed query functionality
    - Need for TC education on ISBT ID numbering system
    - Review of quarterly reports of patient searches

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- Highlights of last meeting cont.
  - Collection related Topics
    - Best practices survey
    - Remote collections project summary
    - Possibility of standardized national kit
  - Licensure
    - 5 banks currently licensed, 2 have had their one year post inspection
    - Not every unit licensed at a bank that holds a license
    - Effect on reimbursement through NCBI program
  - New Business
    - Consent process – two step?
    - Blood transfusion/IV fluids and hemodilution