

Late Preterm Birth

Panelists:

George A. Macones, M.D.

Dr. Mel Watson

John C. Cary

Jack Malizzi, RN, MSN, MBA

John Duff, M.D.

The Cost of Late Preterm Birth

Presented by: Dr. Mel Watson

4 out of 10 High Dollar Claims Related to Preterm Birth

Total Cost of Preterm Birth 2007 (15,000)*	\$500M
Total Cost Late Preterm Birth (11,800)*	\$250M
Average Length of Stay LPB	7.75 days
Total Cost Preterm Birth < 34 wks (3,500)*	\$250M
Average Length of Stay < 34 week Preterm	25.5 days

* Based upon National Membership of 9M



CIGNA Healthcare Approach

Presented by: Dr. Mel Watson

Healthy Babies and Healthy Pregnancy/Healthy Babies Programs

- Promote Health of Mother and Baby
- Educate risk of planned deliveries

High Risk Maternity Program

- Case Manager assigned to assist with high risk pregnancy complications
- Supports 17 alpha hydroxyprogesterone
- Work collaboratively with other health care professionals

Neonatal Case Management Program

- Promote Quality Care After Delivery
- Assist with Discharge Planning needs
- Follow-up Care at Home to Ensure Well Infant Care

First Steps

Presented by: John C. Cary

Provides support / service for children with disabilities, from birth to age 3, and their families

Improves family's ability to enhance child's development and learning

Increases child's participation in family and community life

First Steps

Presented by: John C. Cary

Qualifying factors

Active Children Participating in First Steps by Primary Eligibility as of 9/24/08:					
	Very low birth weight	50% delay	Medical Condition assoc. w/MR/DD	Physician conf. of other condition	Total
St. Louis County	163	250	181	42	636
	25.6%	39.3%	28.5%	6.6%	100.0%
State	785	1,911	1,092	179	3,967
	19.8%	48.2%	27.5%	4.5%	100.0%

Referral sources

Primary Referral Sources for First Steps-Last 12 months				
	NICU	PAT	Hospital (other than NICU)	Total
St. Louis County	143	28	53	224
State	667	680	552	1189



Societal Costs - Preterm and Low Birth Weight Infants

Presented by: John Duff, M.D.

2006 Institute of Medicine report

Preterm births in the U.S. account for at least \$26 billion annually

Costs include direct medical care, early intervention services, special education and lost productivity

In 2004 12.5% of births were preterm; steadily rising since 1990 rate of 10.6%

Behrman, R.E. et al. *Preterm Birth: Causes, Consequences, and Prevention*;
National Academies Press; 2006



National Perspective

Presented by: John Duff, M.D.

2001 National Inpatient Sample database

8% of all infant hospitalizations included a diagnosis of preterm or low birth weight

These accounted for 47% of all infant hospital costs

50% were covered by private/commercial insurance,
42% by Medicaid

Russell, R.B. et al. *Pediatrics*
2007;120:e1-e9



National Perspective - Cost

Presented by: John Duff, M.D.

Average LOS was 12.9 days vs. 1.9 days for normal newborn

Average cost was \$15,100 vs. \$600

Cost was highest for infants born before 28 weeks or weighing less than 1000g. Average \$65,600

However, 2/3 of the cost for preterm/LBW infants is attributed to the care of less extreme cases

Infant In-Patient Costs Cox Health FY2007

Presented by: John Duff, M.D.

4,100 births

10.4% preterm

Total cost of care \$15.8 million

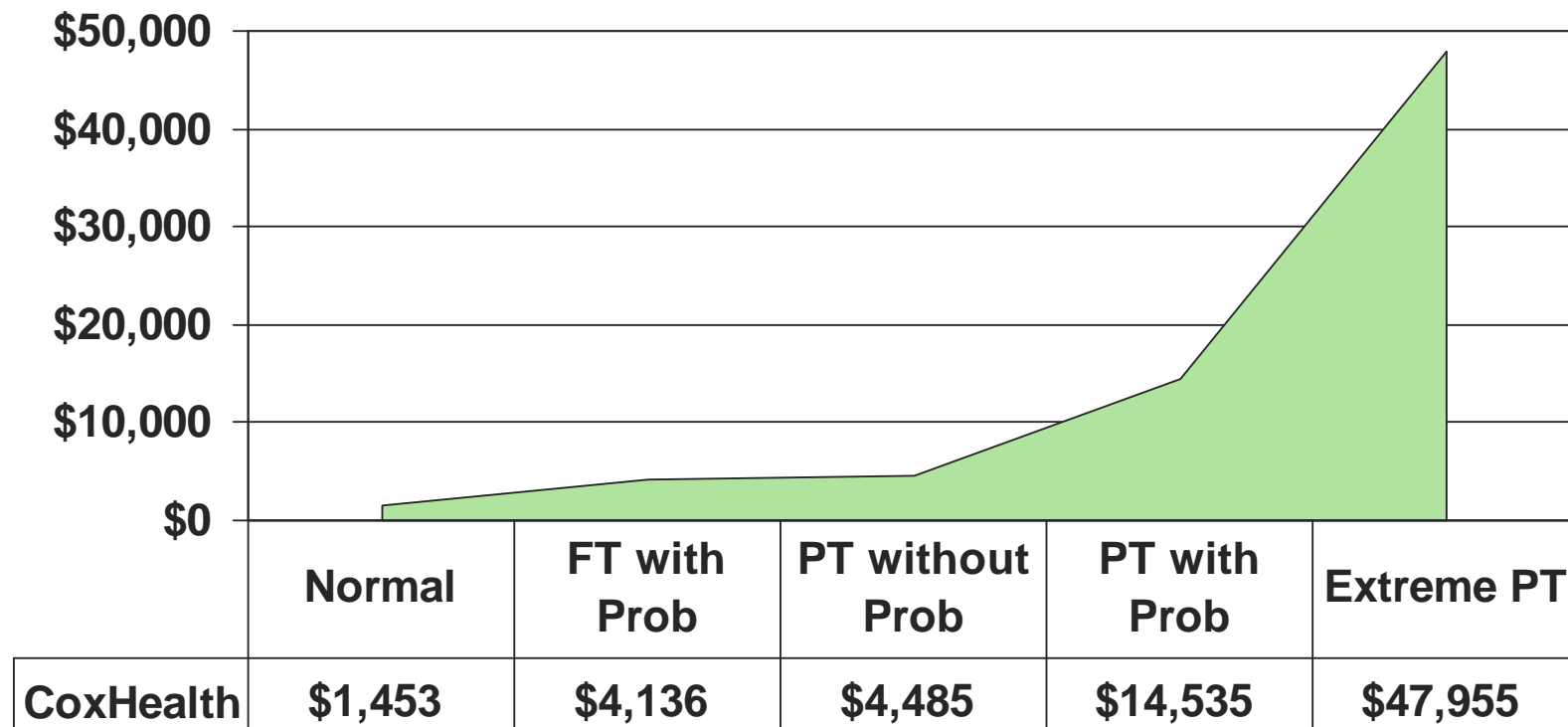
Preterm infants accounted for 45% of total days and
59% of total costs

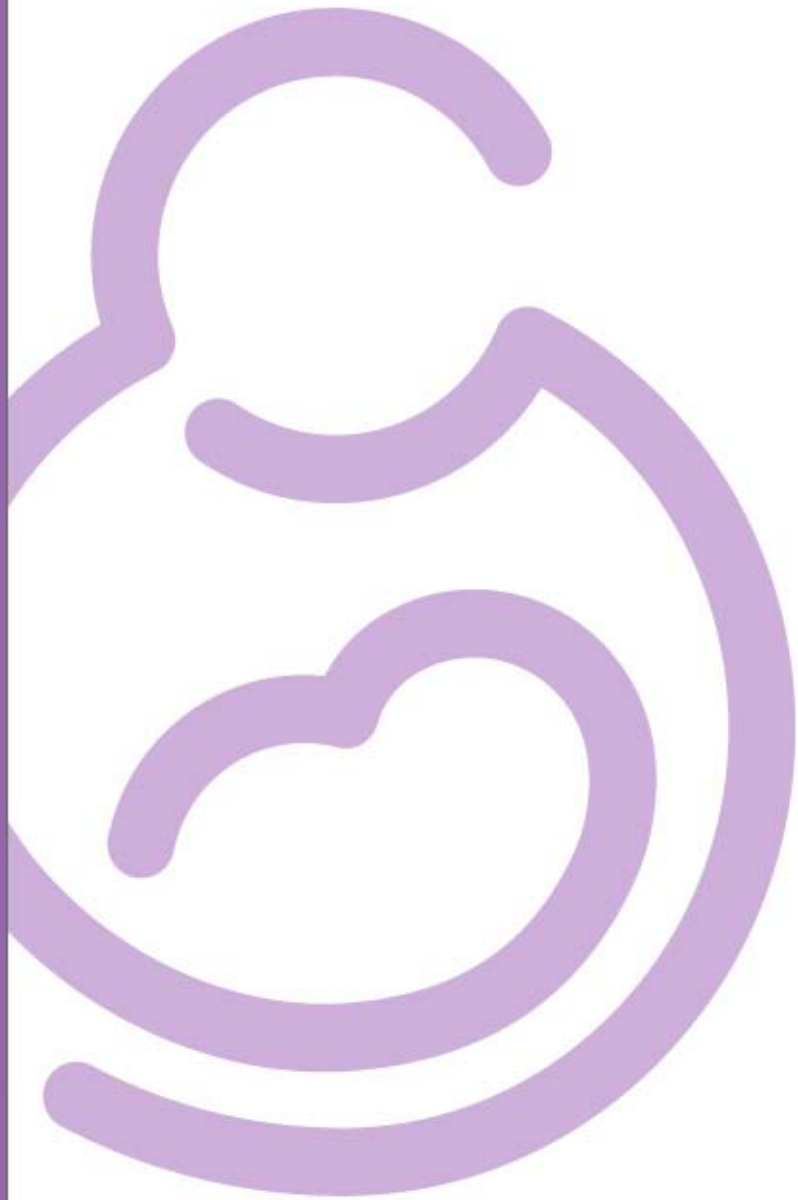
Missouri HIDI same period

- 10% preterm
- Preterm days 40% of total

Newborn Average Costs by DRG Cox Health FY2007

Presented by: John Duff, M.D.





Panel Discussion

Please step to a microphone if you would like to ask a question.