

# FACILITIES

- Current Labor and Delivery and nurseries opened in 1980
- Facilities not competitive in present marketplace
- New facilities to be commensurate with the high quality of obstetrical and neonatal care provided
- Tertiary Care Center – high risk obstetrics and normal obstetrical care

# PLAN

- Improved interior design
- Larger space

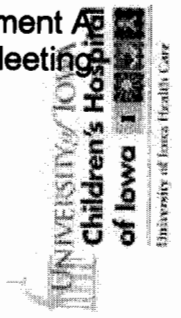
<b>Maternity</b>	<b>26,800 gsf</b>
<b>Neonatal care</b>	<b>24,000 gsf</b>
<b>Pediatric Intensive Care</b>	<b>13,200 gsf</b>

# **OBSTETRICAL SUITES: MATERNITY CENTER**

- 6<sup>th</sup> and 7<sup>th</sup> floor Pappajohn
- 8 Labor/Delivery/Recovery and intensive antepartum care rooms
- 4 triage/recovery rooms
- 2 operating rooms
- 1 ultrasound room
- 20 antepartum and postpartum beds
- Latest fetal monitoring system
- Proximity to blood bank

# HOME-LIKE ENVIRONMENT

- Family friendly waiting areas
- Whirlpool baths
- Custom beds
- Refrigerators
- Room service with a-la-carte menus
- TV sets, DVD players, internet access
- Mother and baby together in room, same nurse



# NURSING PERSONNEL

- Magnet Award for Nursing Excellence
- Parenting education programs
- Lactation consultants
- Mother's Milk Bank of Iowa

# OBSTETRIC PERSONNEL

- Nurse midwives
- Family physicians
- Obstetricians
- Maternal-Fetal Medicine sub-specialists  
*(high risk obstetricians)*
- Staff obstetricians and anesthesiologists in house  
24/7
- All other specialists available as needed

# STAFF OF UIHC

- Largest number of high risk pregnancy specialists of any hospital in the state
- Faculty of College of Medicine
- Write journal articles and textbooks
- Provide training and continuing education of students, residents, and fellows
- Community and statewide outreach programs
- UI Consults through Integrated Call Center

# SUMMARY

- New facilities enhance obstetrical experience for all patients
- Improved facilities for employees—workplace of choice
- Joint Commission on Accreditation of Healthcare Organizations (JCAHO) :

***“Patient centered initiative for safety and quality”***







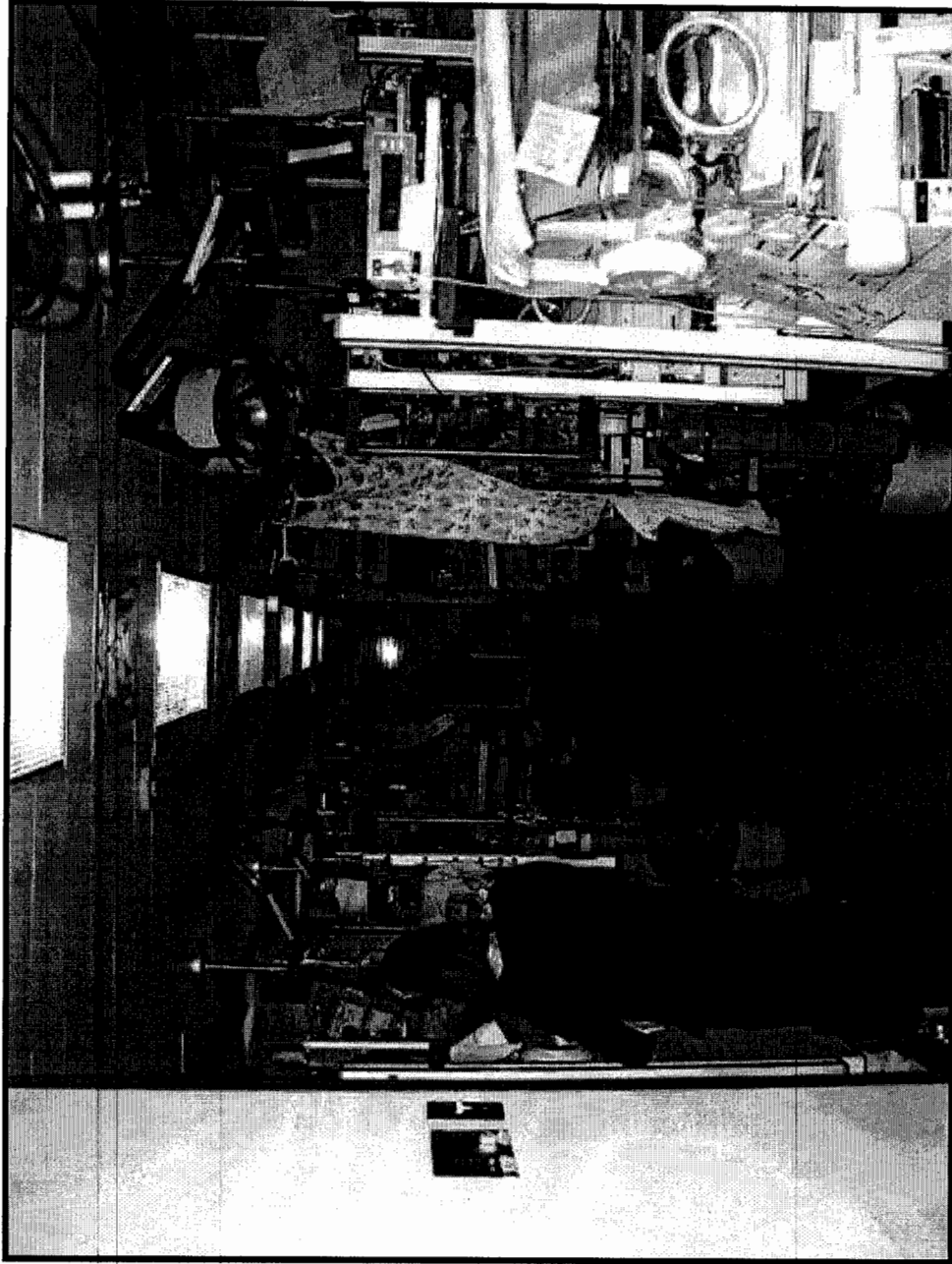
# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

- 600 premature and critically ill babies per year
- 18,000 served since first UIHC Neonatal ICU opened in 1974
- 95% of our patients born to Iowans
- 65% born at UIHC, 35% transported from other hospitals

# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

- First UIHC dedicated NICU - 1974
- Moved to present area in 1980
- Before 1980:
  - Sickest babies died quickly
  - Less technology and equipment
  - Parent visitation limited
- Only minor remodeling since 1980

# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)



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# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

- Old NICU: 40 sq. ft. per baby
- National Standard for NICU Design, 1999: minimum 120 sq. ft. per baby
- New NICU: 140-160 sq. ft. per baby
- Old NICU: 6 to 15 babies per room
- New NICU: 1 baby per room, suites for twins and triplets

# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

- Old NICU
  - Capacity 46 babies
  - Average occupancy 90%
- New NICU
  - Capacity 55 babies
  - Average occupancy ?



# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

## *Providing comfortable space for families*

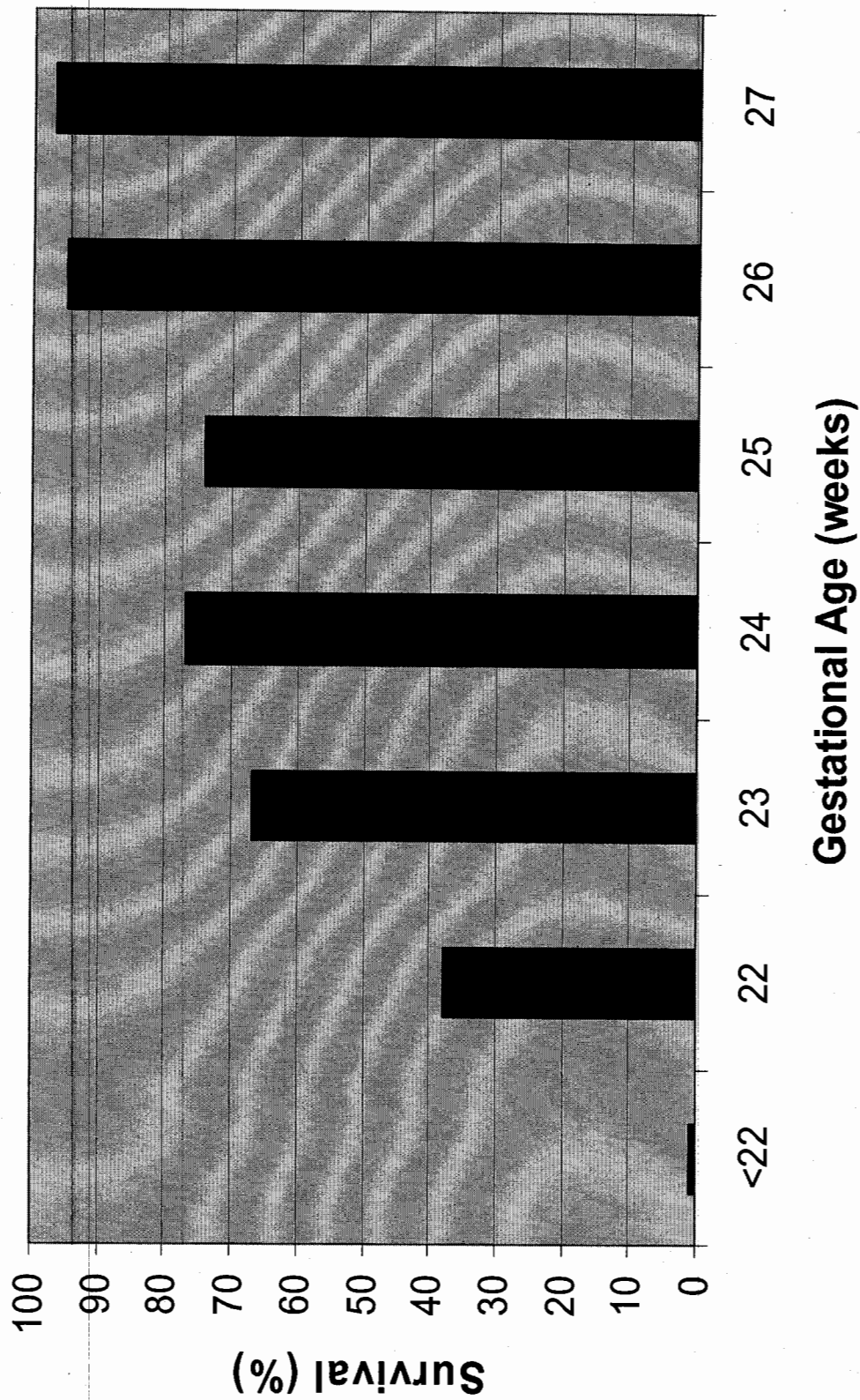
- Promotes development of attachment
- Prepares parents better to assume care of baby at discharge
- Possibly shortens length of stay
- Improves staff-parent communication
- Increases success of breastfeeding, which improves infant health outcomes

# Children's Hospital of Iowa Neonatal Intensive Care Unit (NICU)

## Space for Families

- Old NICU
  - 1980-1988: 60 sq. ft.
  - 1988-present: 300 sq. ft.
- New NICU
  - 1200 sq. ft.

# Survival of Preterm Infants at the Children's Hospital of Iowa, 1998-2002

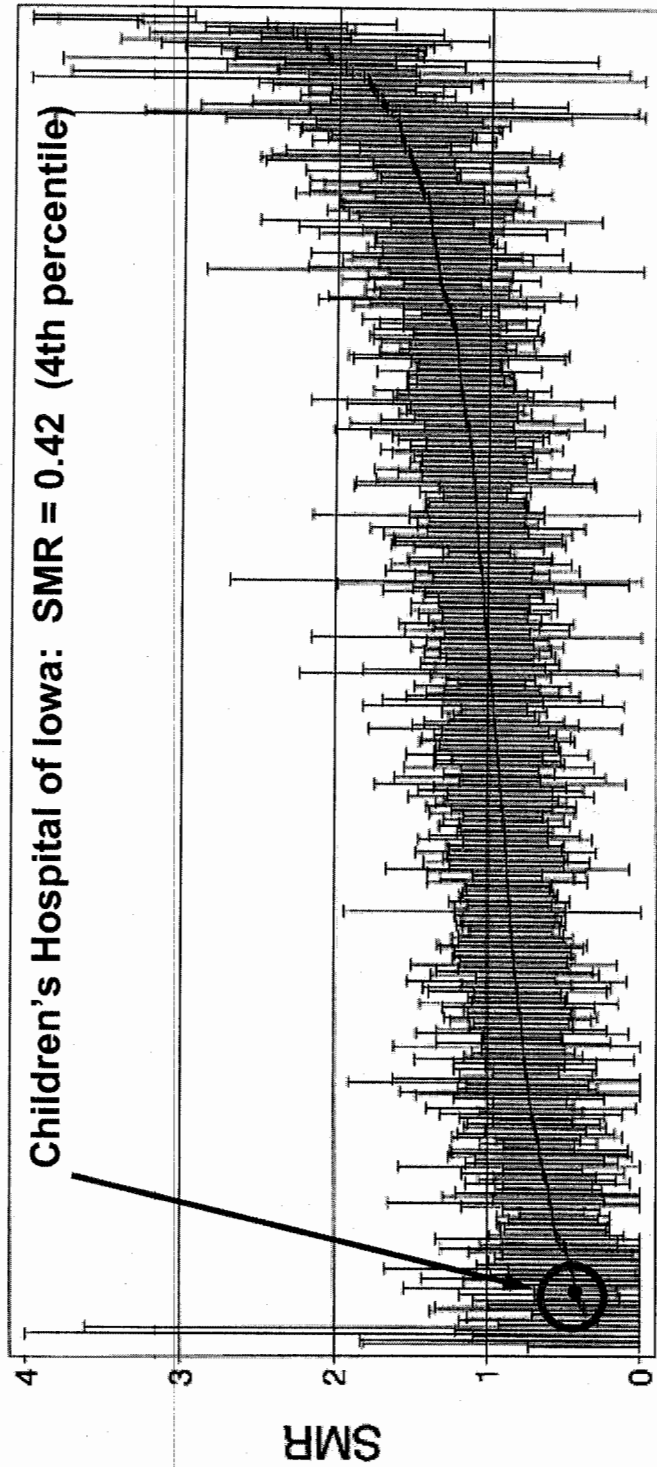


# Outcomes of Preterm Infants at the Children's Hospital of Iowa

Gestational age (weeks)	Survival (%)	Handicapped (% survivors)
22	38	50
23	69	29
24	77	15
25	74	10
26	95	9
27	97	8

\* Cerebral palsy, mental deficiency, blindness, or deafness

STANDARDIZED MORTALITY RATIOS (SMR)  
VERMONT OXFORD NETWORK 2002



407 NETWORK CENTERS

- CENTER 381

VERTICAL BAR REPRESENTS 95% CONFIDENCE INTERVAL  
NOTE: SOME PREDICTOR VARIABLES AT YOUR CENTER HAD MISSING OBSERVATIONS.  
THIS REDUCES THE RELIABILITY OF THE ESTIMATES.

FIGURE 6.3

