

Responding to the critical needs of newborns

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From the History of Lviv- Detroit Partnership

- Lviv- Detroit Partnership was initiated in 1993
- Ukrainian partner – Lviv Oblast Clinical Hospital (the oldest hospital in Western Ukraine), US partner - Henry Ford Health System



Major areas of focus of Lviv-Detroit Partnership Activities

■ Neonatology

■ Urology

■ Cardiology

■ Surgery

■ Emergency medical services

■ Ophthalmology



Neonatology Program

*Goal - to improve care delivery to preterm infants
across Lviv oblast*

Objectives:

- To transform Level II Neonatal Intensive Care Unit for premature newborns into the Level III Neonatal Center
- To develop a model of specialized newborn care that could be replicated in other health care institutions

Success factors

- Initial concept
- Flexible approach to implementation plan
- Support of the hospital administration, oblast administration and Ministry of Health of Ukraine



Major components of the developed model

CLINICAL

- Ongoing clinical practice improvement
- Supporting services
- Transportation program

TRAINING

- Neonatal resuscitation program
- Training of the enter staff and other LOCH departments personnel
- Training of the personnel oblastwide

LEVEL III NEONATAL CENTER (LOCH preterm newborn care unit)

QUALITY ASSURANCE

- Data collection and assessment
- Center data, city neonatal units data
- Quality assurance and monitoring

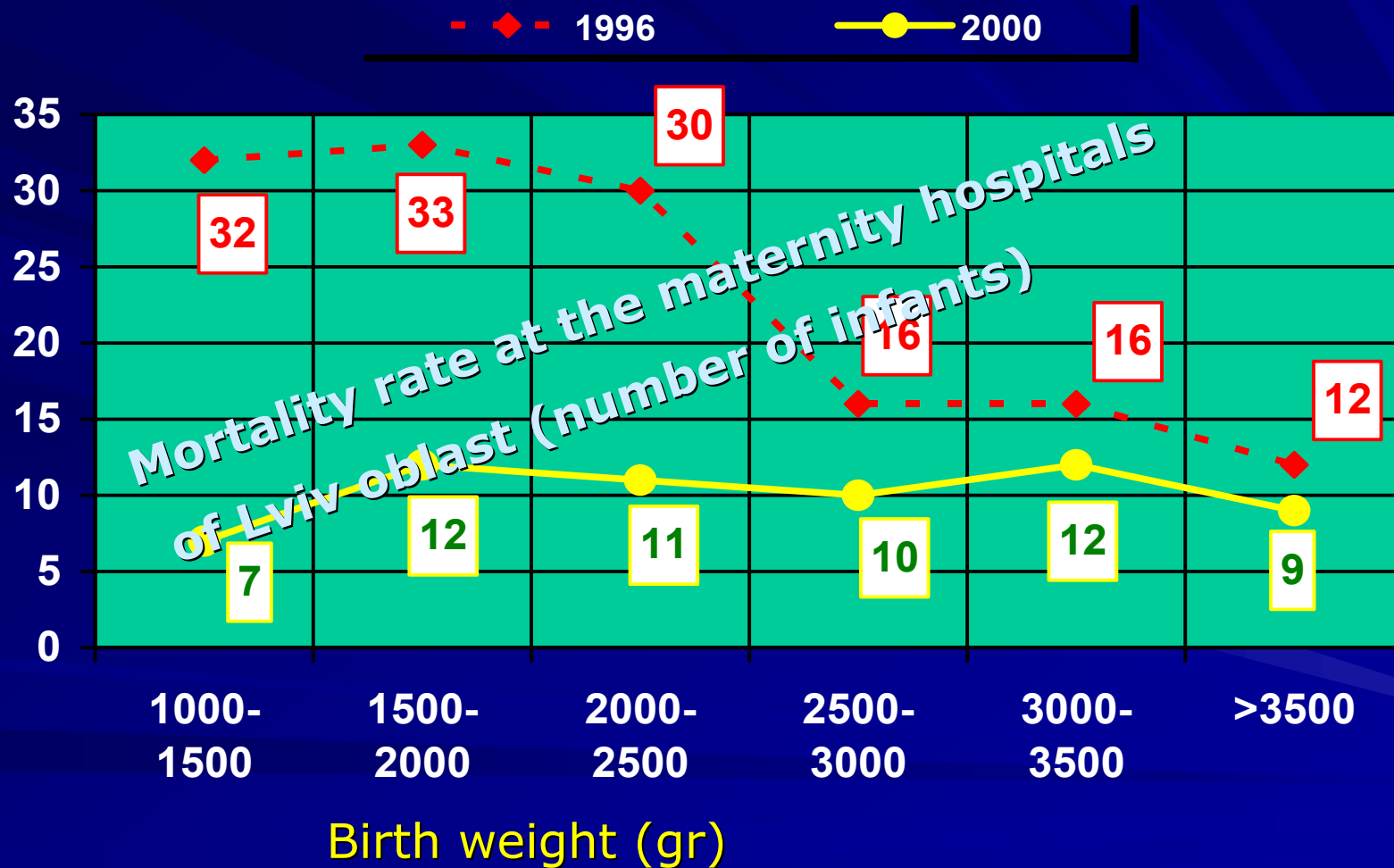
ORGANIZATION OF THE UNIT'S ACTIVITIES

- Modern management strategies and approaches
- Assignments and responsibilities
- Committee on neonatal care delivery

Partnership accomplishments

- Level III Neonatal Care Center opened at preterm neonatal care unit
- Stable decrease of mortality rate at the Center and neonatal mortality rate in Lviv oblast achieved
- More than 1000 individuals participated in Neonatal Resuscitation Training Program
- Dissemination of the Partnership experience facilitated the development of neonatology in Ukraine

Partnership accomplishments





Keys to success

- The program is based on the urgent needs of healthcare system
- High professional and managerial level of the program participants
- Initiative, analytical approach, willingness to master up-to-date techniques and methodologies in neonatology demonstrated by the unit personnel
- Implementation of modern communication technologies for better information exchange with partners
- Opportunities for exchange of experience with counterparts from similar centers opened under AIHA initiative in Ukraine and other NIS regions
- Support from Ukrainian community in Detroit

Continuos education
and personnel training
is one of the major
conditions for
maintaining the
achieved level of care
delivery



Neonatal Resuscitation Program

- Opening of Lviv NRP Training Center
- Training Center's activities continued Partnership work after its graduation, which enabled to develop a model currently replicated in five other regions of Ukraine

Neonatal Resuscitation Program

- Health care professionals are trained in basic skills of emergency neonatal care, routinely used in obstetrical facilities of US, Western Europe and other developed countries.
- Appropriate neonatal resuscitation practice contributes to the decrease of neonatal mortality rate and decreases the rate of long-term neurological effects

Neonatal Resuscitation Program

- Preliminary data validate the dependence of the number of individuals trained in appropriate resuscitation techniques and the rate of early neurological problems in newborns

Plans for the Future

- To train personnel of all obstetrical institutions across Western Ukraine in neonatal resuscitation program
- To further improve newborn care and seek resources to expand it
- To continue collaboration with US partners

