



# KANGAROO MOTHER CARE

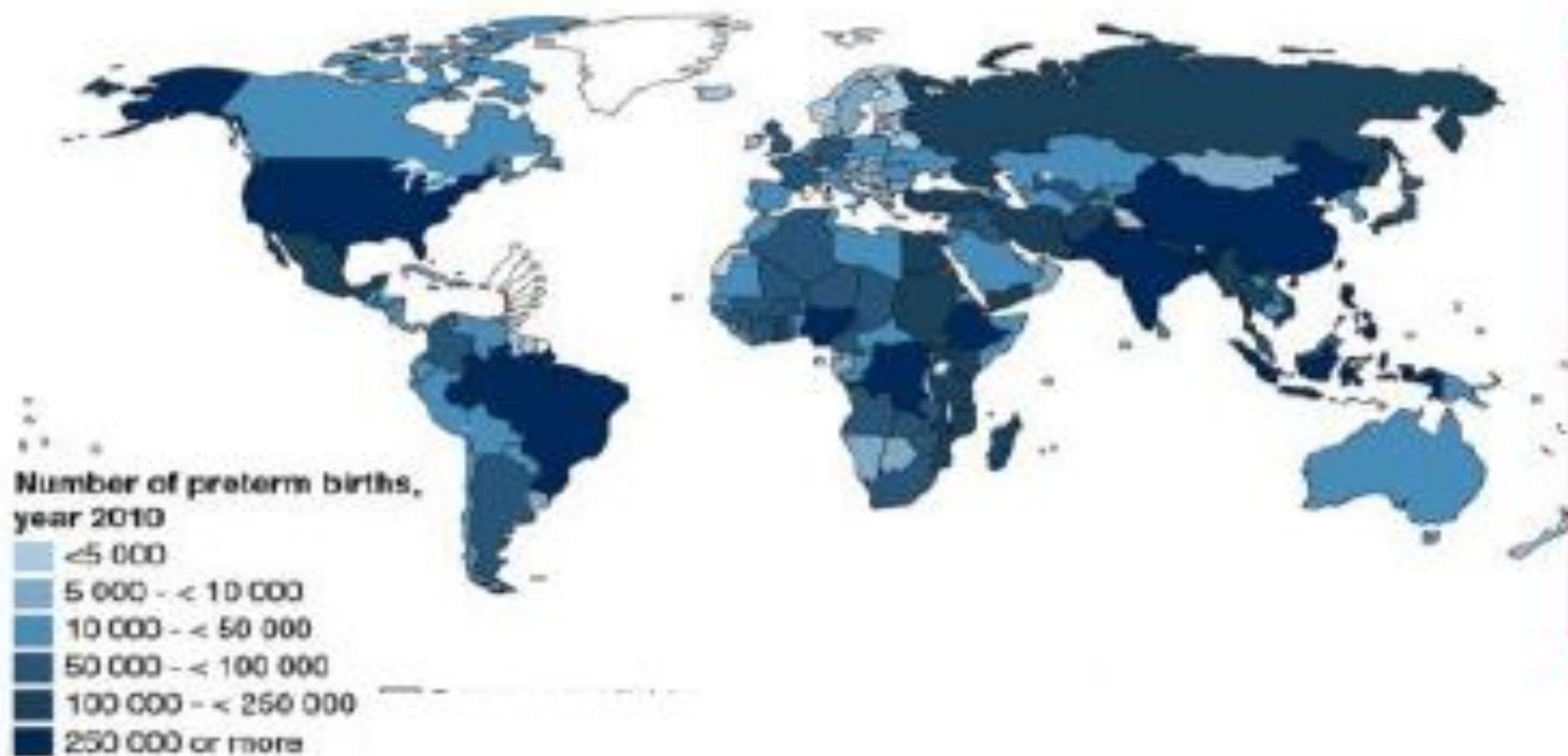
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UP COLLEGE OF NURSING

# OBJECTIVES

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1. Describe the promotion of mother-infant attachment through Kangaroo Mother Care
2. Identify key features and benefits of KMC
3. Describe the 2 types of KMC
4. State the KMC method fulfilling the need of preterm and low birth infant

# • Preterm Births



• 10 countries account for 66% of global preterm births

1. India
2. China
3. Nigeria
4. Pakistan
5. Indonesia
6. USA
7. Bangladesh
8. PHILIPPINES
9. Dem Rep Congo
10. Brazil

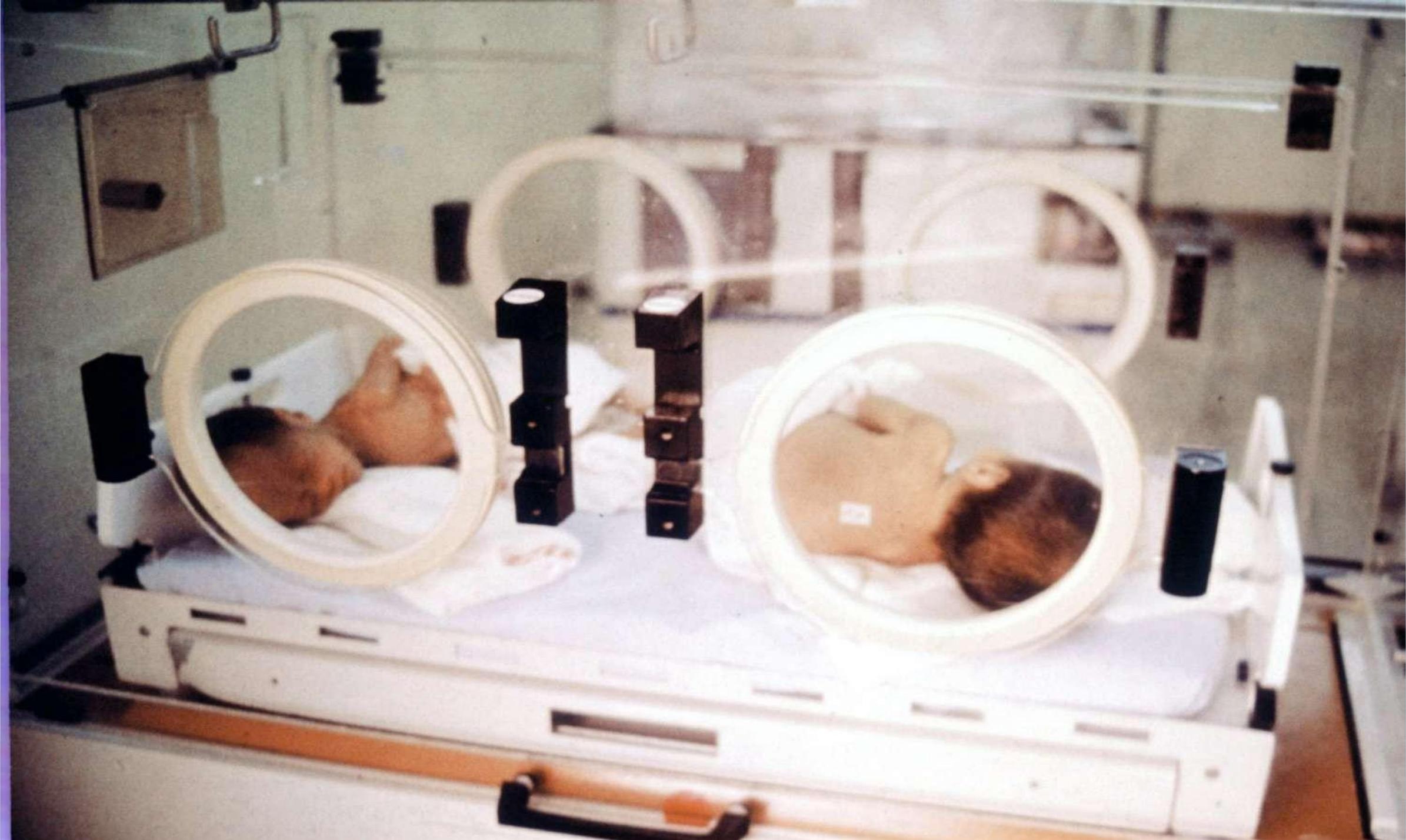
# KANGAROO MOTHER CARE

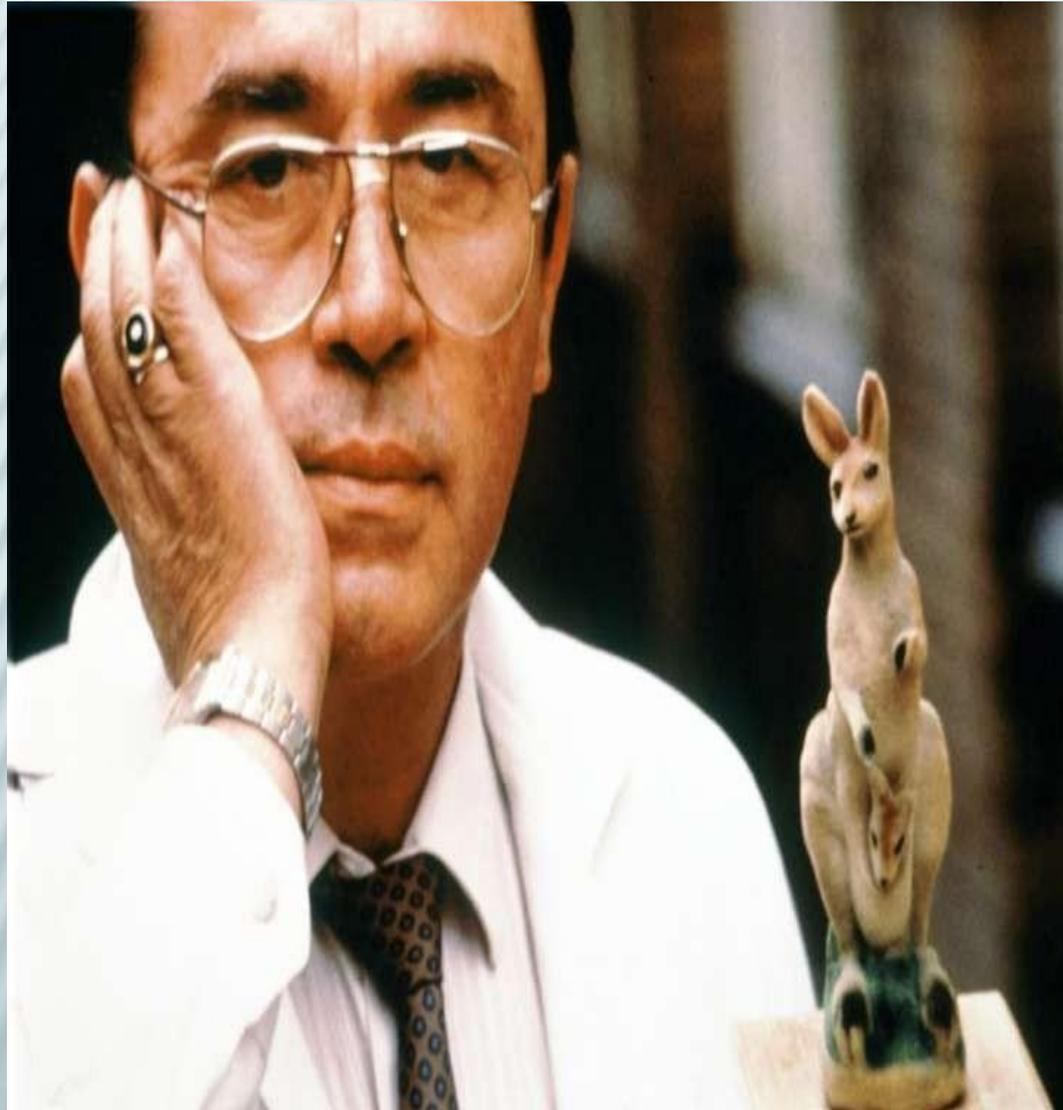
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- Is care of pre-term /low birth weight infants carried skin to skin with the mother.
- It is powerful, easy to use method to promote the health and well-being of infants born preterm as well as full term









# KMC

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It was presented by Rey and Martinez in Bogota , Columbia where it was developed as an alternative to inadequate and insufficient incubator care for those preterm newborn infants.

KMC is more alternative to incubator care

# KEY FEATURES

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- Early, continuous and prolonged skin to skin contact between the mother and the baby
- Exclusive breastfeeding (ideally)
- It is initiated in the hospital and can be continued at home
- Small babies can be discharged early
- Mothers at home require adequate support and follow-up
- It is a gentle, effective method that avoids the agitation routinely experience in a busy ward with preterm infants

# KMC METHOD: FULFILLING THE ESSENTIAL NEEDS OF THE LBW/PRETERM NEWBORN

1. Warmth
2. Nutrition
3. Protection
4. Stimulation



# KMC INTERVENTION (KMCI)

Kangaroo Position  
Breastfeeding  
Early Discharge  
Ambulatory KMC



# KANGAROO POSITION



# KANGAROO POSITION

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*Fig.4a Positioning the baby for KMC*



# KANGAROO POSITION (KP)

1. Stabilized LBW placed in vertical position
2. Prone on the mother's chest
3. In-between her breasts
4. Skin-to-skin contact
5. Held together by an expandable shirt or clothing



## 2 TYPES OF KMC

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### 1. Intermittent KMC

- Not given all the time but only when a mother visits her infant who is still being nursed in an incubator

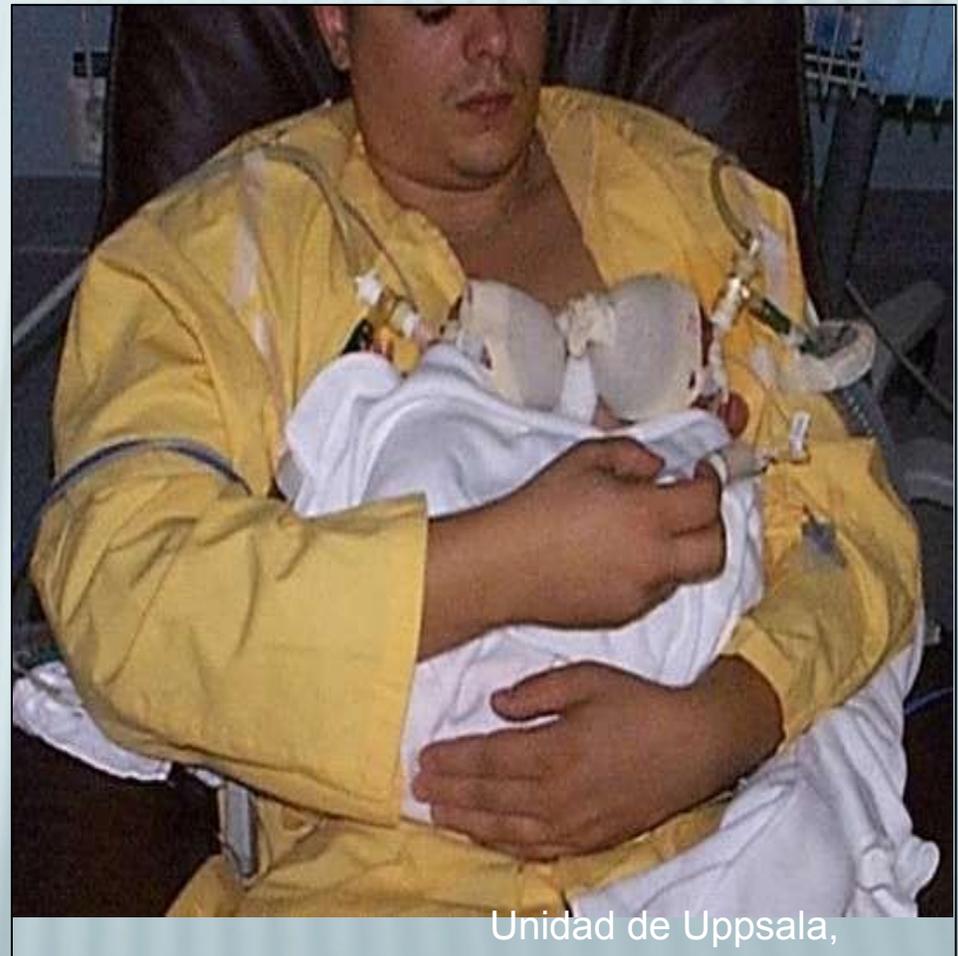
### 2. Continuous KMC

- Usually used with low birth weight infants who are ready to be taken out of the incubator permanently

# STABLE LBW IN KMC POSITION- INTERMITTENT

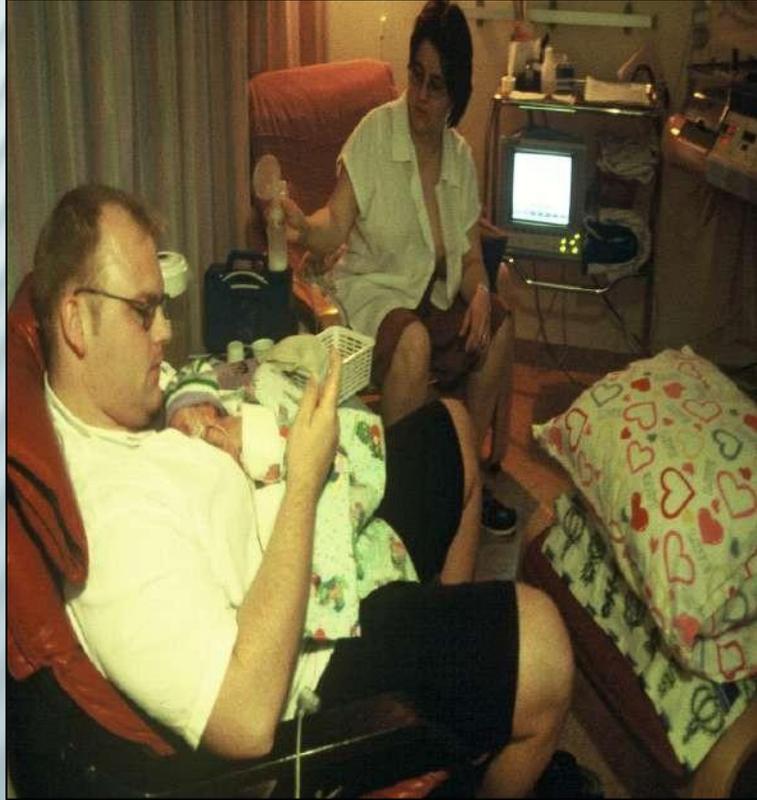


# STABLE LBW IN KMC POSITION - INTERMITTENT



Unidad de Uppsala,  
Sweden

# PARENTS' PARTICIPATION AND EMPOWERMENT



# PARTICIPATION OF THE FATHER IN NICU



# STABLE MOTHER & LBW FEEDING & ADAPTING TO CONTINUOUS KMC

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# STABLE MOTHER & LBW FEEDING STIMULATION DURING ADAPTATION TO CONTINUOUS KMC





**9 FAMILY--BABY ROOMS IN THE NEONATAL UNIT WITH A BED, A BATHROOM, A MONITOR AND THE POSSIBILITY TO HAVE A CRIB OR AN INCUBATOR. PARENTS ARE STIMULATED TO CARRY THEIR INFANT IN KMC 24/7 (SWEDEN)**



K.Nyqvist Unidad de Uppsala

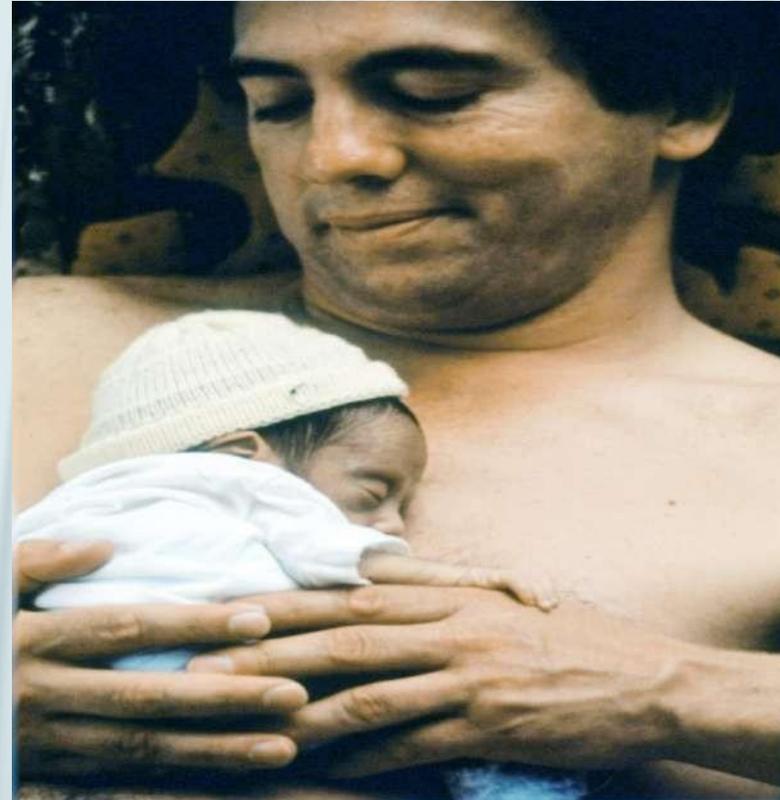


# POST DISCHARGE CONTINUOUS KANGAROO POSITION AT HOME

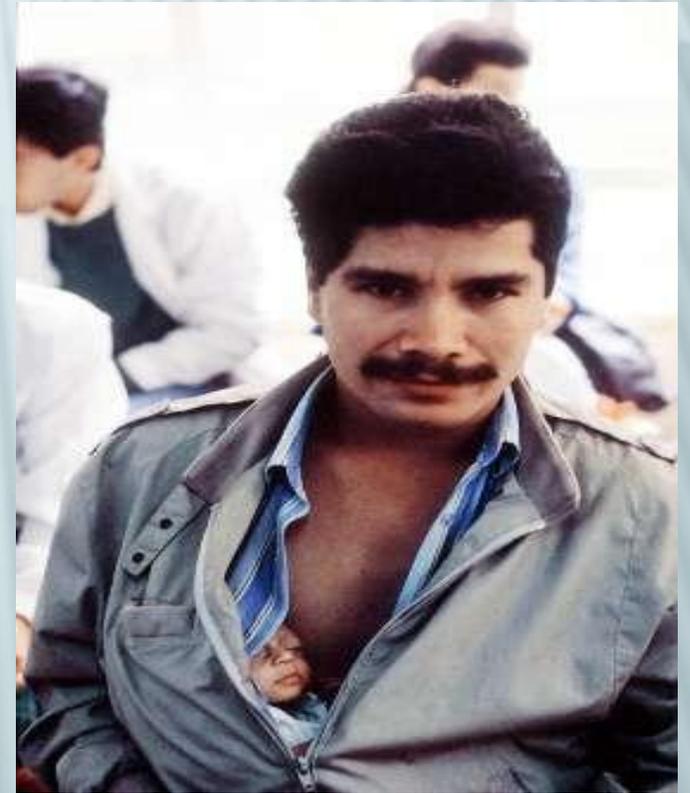


# POST-DISCHARGE CONTINUOUS KANGAROO POSITION AT HOME

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# AMBULATORY KMC: FOLLOW-UP





## KANGAROO MOTHER CARE

- Allows the development of the immature brain in a **less** stressful environment
- Prepares the family for the care of this frail infant





**Providing KMC and success in breastfeeding the premature infant is a multidisciplinary work between staff and family and it's time-dependent**



# KMCI: BENEFITS FOR THE LBW & FAMILY

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Improved maternal/family and infant bonding

Increased and sustained breastfeeding success

Better weight gain

Decreased risk for infection

- Protection from breastfeeding
- Decreased risk of nosocomial infection due to early discharge
- Protective maternal flora acquired from skin-to-skin contact

Maternal and family empowerment

Decreased cost of care (early discharge) and health maintenance (breastfeeding)

# ACCREDITED KMCP IN PHILIPPINE HOSPITALS

Dr. Jose Fabella Memorial Hospital

Mariano Marcos Memorial Hospital (Ilocos)

Southern Philippines Medical Center (Davao)

Eastern Visayas Regional Medical Center (EVRMC)

Gat Andres Bonifacio Memorial Medical Center  
(Tondo)

# REFERENCES

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[Twenty--year Follow--up of Kangaroo Mother Care Versus Traditional Care.](#)

[A Multi--faceted Visual Analytics Tool for Exploratory Analysis of Human Brain and Function Datasets.](#)

[Long--term attention deficits combined with subcortical and cortical structural central nervous system alterations in young adults born small for gestational age.](#)

- [Cerebral motor function in very premature--at--birth adolescents: a brain stimulation exploration of kangaroo mother care effects.](#)

# LEARN MORE ABOUT KMC

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Visit the WHO website

[http://www.who.int/reproductivehealth/publications/maternal\\_perinatal\\_health/9241590351/en/index.html](http://www.who.int/reproductivehealth/publications/maternal_perinatal_health/9241590351/en/index.html)

WHO KMC practical guide

Thank You!!!

