Success story for delivering integrated, evidence-based and cost-effective care for mothers and babies in Da Nang Hospital for Women and Children, Viet Nam

Da Nang

- Surface area: 1,283.4km²
- Population: 1,029,000
- Hospital catchment: 10 million

Commercial and educational center of Central Viet Nam

![Map of Da Nang and surrounding areas]

![Graph showing hospital admission and deliveries from 2012 to 2015]
Before EENC

• Early separation for umbilical care and measurements
• Routine separation and formula feeding after C-section

EENC

Key interventions of EENC- WPRO
• Intrapartum care for all mothers
• The first embrace for all newborns
• Kangaroo mother care for preterm/LBW newborns
• Care for sick newborns

Da Nang

- The first embrace: First implementation in 7/2014. By 11/2014, 92% newborns received skin to skin contact and first breastfeed within 90 minutes
- KMC: First implementation with 8 KMC chairs in 2007. By 10/2016: 50 KMC beds
Outcomes after the first embrace

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Before EENC</th>
<th>After EENC</th>
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</thead>
<tbody>
<tr>
<td>NICU admission % live births</td>
<td>18.3</td>
<td>12.3</td>
</tr>
<tr>
<td>Antibiotic use % live births</td>
<td>7.1</td>
<td>3.1</td>
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<tr>
<td>Hypothermia % NICU admissions</td>
<td>5.4</td>
<td>3.8</td>
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<tr>
<td>Kangaroo care/10 babies &lt;2000</td>
<td>4.6</td>
<td>4.8</td>
</tr>
<tr>
<td>Exc BF on NICU discharge/10</td>
<td>8.5</td>
<td>7.8</td>
</tr>
<tr>
<td>Exc breastfeeding in postanal</td>
<td>2.7</td>
<td>8.5</td>
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<tr>
<td>Neonatal deaths % live births</td>
<td>9</td>
<td>8</td>
</tr>
</tbody>
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11/13-10/14  11/14-10/15
Cascading practice

- Hospital EENC facilitators coached
  - 549 health professionals in Da Nang city
  - 90 health professionals in Quang Nam Province
  - 80 health professionals in Quang Ngai, Quang Tri, Quang Binh provinces

- Support MOH to train for University staff in Central Viet Nam, for staff from 10 hospitals in highland areas in Viet Nam
- Coaching KMC for 9 provincial hospitals in Viet Nam
- Assisting the first KMC units in Quang Ngai and Quang Nam provinces
- Coaching for a team of doctors and nurses from Pakistan
- Coaching KMC all the hospitals in Quang Nam provinces (25)
Enabling factors & future directions

Enabling factors
- Guidelines from WHO & MOH
- Strong MOH, DOH and hospital policy directives
- Great efforts of the EENC team from neonatal, obstetric, operating and recovery units
- Support from WHO, UNICEF, Alive & Thrive, Newborns Viet Nam ...

Directions
- Promoting early kangaroo mother care for more preterm newborns
- Enhancement of antenatal consultations for breastfeeding and birthing
- Sustaining quality improvement for EENC in the hospital
- Improving routine data collections
- Supporting EENC in other regions in Viet Nam