Innovations in PPH medicines
Heat stable carbetocin for LMICs
Do we need another drug?

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Is quality an issue?

• Oxytocin quality
  • What is the quality problem?
  • Results of studies

• Heat stability testing data
  • Oxytocin
  • HS Carbetocin
Heat stable carbetocin

- A new formulation of carbetocin
- A uterotonic similar to oxytocin
- ICH Zone IV Heat Stable – Hot Humid/Tropical Zone
- Does not require cold-chain transportation or refrigerated storage
- A single 100µg dose of HSC is effective in preventing PPH
- A single IM or IV dose of HSC produces sustained and rhythmic contractions for up to 119 minutes within 2 minutes
- The half-life of HSC is 8 times longer than oxytocin (40 minutes² vs 3-5 minutes)
- Carbetocin registered in more than 70 countries. The heat stable version has been introduced into 27+ countries to date including Australia, Europe and Mexico
- Carbetocin manufactured by Ferring has been used in prevention of PPH in over 8 million women, primarily following caesarean section
Potential application in LMICs

- Heat stable
  - Appropriate for settings where sustained cold storage is not feasible
    - Hot Humid/Tropical Zone
    - Ineffective cold-chain
    - Lack of refrigeration
- Single dose
  - Appropriate for settings where intensive monitoring of woman after birth is difficult
    - Low levels of staff
- Quality assured
  - Only quality assured product to be made available
  - Most appropriate for births attended by SBAs (injection) ie: facilities
Contacts

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A young girl holds her newborn infant sibling while their mother rests in the Emergency Obstetric Care unit in Upazila Health Complex, Ajmeriganj, Bangladesh. © 2006 Salma Siddique, Courtesy of Photoshare