Is Breast Still Best? A Narrative
Review of Current Literature on
HIV & Infant Feeding in the
Developing World

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The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose

Breastmilk is the most adequate form of nutrition for infants and young children. (MHCL, 2003)

Breastfeeding traditionally practiced throughout developing world. (MHCL, 2012)

HIV can be transmitted from mother-to-child through breastfeeding. (MHCL, 2003)

DEBATE: Do the benefits of breastfeeding outweigh the risk of mother-to-child transmission (MTCT) of HIV or the risks of replacement feeding? (Countable, 2005; Fietcher et al., 2008)

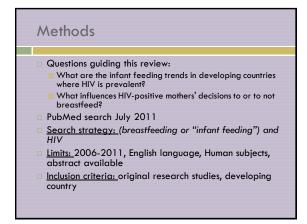
Infant feeding & HIV free survival

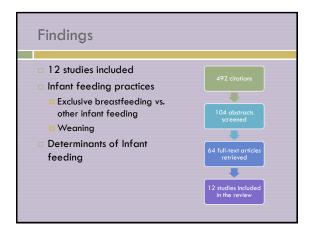
WHO HIV & Infant Feeding Guidelines

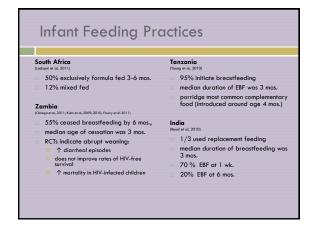
To improve HIV free survival of infants born to mothers known to be HIV-infected, while not harming the mother's health
Highlighted evidence on effectiveness of ARV therapy in decreasing MTCT of HIV
National authorities decide infant feeding strategy for greatest chance of HIV-free survival
Breastfeeding + ARV therapy
Replacement feeding

Mothers known to be HIV-infected

should be provided with lifelong ARV therapy
should exclusively breastfeed for the first 6 months of life
who decide to stop should stop breastfeeding gradually within 1 month
should provide infants with safe and adequate replacement feeds
should only give commercial infant formula milk as a replacement feed when specific conditions are met
may consider expressing and heat-treating breast milk as an interim feeding strategy
follow guidelines for general population for HIV-infected infants







South Africa

38.7% of the formula-feeding mothers met criteria for safe replacement feeding (Gindina et al. 2011)

67.4% of those intending to formula feed did not meet criteria (piped water, electricity/gas/paraffin, disclosed HIV status) (Daherry et al. 2027)

Burkina Faso, Cameroon & Cambodia (Desclaux & Alfieri, 2009) Health workers driven by economic aspects, mothers driven by social aspects "I was told it is forbidden to breastfeed" "AVA mother "Breastfeeding is for mothers who do not have money. If the mother has money, she must give formula." "addute Driven to be perceived as "good mothers" Cultural norms on infant feeding, HIV stigma, and fathers' attitudes

Malawi (Lery et al., 2010) Confusion about exclusive breastfeeding "They just told me to exclusively breastfeed for six months, but they didn't tell me the reason why" Early weaning found challenging "We heard the advice that we should stop breastfeeding our babies at six months, and the message is in our ears. But I think that to stop breastfeeding the baby at six months is difficult" Stigma, culturally acceptable to breastfeed age 3 Psychological burden of downloaded responsibility "We feel bad thinking that, as the baby is being breastfed, he or she can contract the virus in the process" "I think there is unfairness because, if they know that the baby is to stop breast milk, then they should find us an alternative solution. Because, on our own, we can't manage"

Discussion

- □ Infant feeding practices in areas burdened by HIV do not currently follow WHO guidelines
- ☐ HIV-infected mothers face confusion, stigma, and other challenges in infant feeding decisions
- ☐ Breastfeeding embedded in "biological, social, cultural, economic and political contexts
- □ Despite the risks, breastfeeding is still best
- HIV-infected mothers require additional support to achieve the WHO recommendations.

