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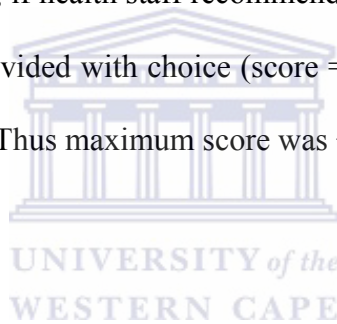
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ANNEX I- Brief explanation and definition on Counselling score:

For *HIV-positive women*: was ever discussed antenatally? (+4 if yes, -4 if no and 0 if don't know), number of times discussed (0 -none, 1 - once only, 2 – twice, 3 -3 times and 4 if >3 times) and whether the following topics were mentioned: risks of MTCT and breastfeeding (+4 if yes), different formula feeding and breastfeeding options (+4 if yes), risk of giving formula feeds (+4 if yes),, how to make best feeding choice (+4 if yes), if the mother intended to breastfeed, then avoiding mixed feeding and stopping breastfeeding early (+4 for each), how women were helped to make a choice - if women were helped to make an appropriate choice (score = +12); if health staff recommended a suitable option (score=+8); if little / no help or guidance provided with choice (score = +4). If health staff simply told women to breastfeed, score =-4. Thus maximum score was +44 and minimum was -8.



ANNEX 2 - Variables selected for analysis

Category	Indicator variables
Socio-demographic factors	Age of mother
	Mother's last standard passed
	Marital status
	Mother alive/dead
	Number of children alive and dead
	Source of drinking water, How they store drinking water, type of toilet, type of fuel, use of fridge or freezer, Availability of working/cooking items
	Any one employed in the house, main income provider, source of income, Mothers main activity during the day, employment status of mother, total monthly income, any one on grant/pension (type of grant/pension)
Mothers knowledge and Health seeking behavior	<p>Number of mothers who have knowledge on MTCT (mentioned all, particularly BF, as a route of transmission, and know the chances of transmission)</p> <p>No of mothers who used this knowledge to change their plans for feeding to the most AFASS method</p> <p>Number of mothers who tried to discuss with health professionals during pregnancy about the best way of feeding</p> <p>Mothers first choice to turn to for advice when they face difficulty in feeding their child</p> <p>No of mothers who have seen advert or heard about formula milk</p> <p>No of mothers who share the formula from clinic/hosp with other children in the house</p> <p>Mothers practice with left over formula milk</p> <p>No of mothers who correctly demonstrated how formula milk is prepared</p> <p>No of mothers who stopped breastfeeding applying the correct</p>

	<p>method</p> <p>No of mothers who seek treatment for themselves/ their child illness</p> <p>No of mothers who are planning to have their child tested for HIV</p>
Infant feeding patterns	<p>Number of infants exclusively breastfed based on the definition</p> <p>Number of infants predominantly breastfed based on the definition</p> <p>Number of infants mixed breastfed based on the definition</p> <p>Number of infants exclusively formula fed based on the definition</p> <p>Number of infants fed by wet nurse</p> <p>No of mothers who stopped breastfeeding applying the correct method (rapid weaning < 4 weeks)</p> <p>Infant feeding duration</p>
Maternal factors	<p>Number of mothers whose water broken > 4 hours before delivery</p> <p>Proportion of mothers that had illness since the last visit – Number admitted to Hospital (how long)</p> <p>Number of children that received fluid/substance as mother was unwell/separated from the child</p> <p>Number of mothers with engorged breasts painful breasts when tried to stop BF</p> <p>Number of mothers given multivitamin</p> <p>HGB result of mother, Viral load</p>
Infant factors	<p>Sex of infant</p> <p>Number of children completed vaccination for a given age</p> <p>Proportion of children who had illness (since the last visit) that caused to change feeding type</p> <p>Proportion of children with illness/hospitalization</p> <p>Proportion of children who were given fluid/ substance due to that they were unwell</p>

	<p>Number of infants received Multivitamin /bacterium</p> <p>Number of children with malnutrition/underweight</p>
Psychosocial factors	<p>Number of mothers discussed feeding decision with some one else apart from the health staff</p> <p>Number of mothers who anticipate one of the family might disagree with their feeding decision (Who)</p> <p>Number of mothers who Disclosed their status (when, to whom, how did they react)</p> <p># of mothers who are planning to disclose (to whom)</p> <p># of mothers who provided with fluid and substance at the 1st week due to family/traditional recommendation</p> <p># of mothers who purchased formula instead of receiving from the clinic due to fear of stigma</p> <p># of mothers who were criticized/helped when trying to stop BF (by whom)</p>
Health care system Factors	<p>Number of mothers that were counseled by Nurse/Doctor/Social worker/Midwife on Infant feeding/formula milk/weaning/complementary food</p> <p># of mothers claimed that health workers recommended them to give fluid and substance in the 1st week of child birth</p> <p>No of mothers who heard (seen advert at clinics) about formula milk</p> <p># of mothers who ever have received/ still receiving free formula milk from the clinic/hospital</p> <p>Quantity of formula milk received when discharged? How long it last?</p> <p>Number of mothers who purchased formula milk in addition to what they received from the clinic/hop</p> <p>Number of times formula milk was out of the clinic/hosp stock</p> <p># of mothers who has something they don't like about the</p>

	<p>PMTCT programme given in their clinic</p> <p>Number of times formula milk run out before the scheduled date to return to the clinic</p> <p>Number of mothers informed by health staff to test their child for HIV</p>
Socioeconomic status indicators	<p># of mothers who run out of food</p> <p>Number of food items not available during the food inventory list / in the last month</p> <p>Source of water – no of mothers who use rain water, river, borehole,</p> <p>Toilet type – # of mothers who use pit latrine</p> <p>Fuel source – # of mothers who use wood as a fuel source</p> <p>Access to service (distance to the nearest shop, distance to clinic/hospital, clinic too far for collection of formula milk)</p> <p>No of children died from the total number of children born by a mother</p> <p>Socioeconomic scores</p>

