Bridget Gooden knew that breast milk was the key to her newborn Regin’s ability to thrive because she was born premature. Bridget didn’t realize that being a breastfeeding mom made her vulnerable too—in her case, to HIV. In fact, the risk of HIV for women is about three to four times higher when pregnant or breastfeeding. Despite this, they are almost always excluded from clinical studies of HIV prevention products.
MTN-029 was designed so that researchers could get preliminary answers about the safety of using the dapivirine ring during breastfeeding without exposing nursing infants directly. Study results, reported in 2017, found that dapivirine was absorbed in very low concentrations into the breast milk of women like Bridget who had used the ring. Lisa Noguchi, Ph.D., director of maternal newborn health at Jhpiego and MTN-029 protocol chair, also notes that the dapivirine ring had no significant safety concerns among the lactating women who participated in the study. These results were especially important because the ring was simultaneously being tested in two large studies for its effectiveness to protect against HIV in women who were not pregnant or breastfeeding, and who used it for a month at a time. The monthly dapivirine ring is now under regulatory review.

Bridget says that being a participant in MTN-029 took commitment. “I know somebody has to be the tester of things to help out people who may actually need them. Since I fit the bill – I was finishing up breastfeeding, I was a healthy female, and I wasn’t pregnant and I didn’t plan on getting pregnant, I was good to go.”

Given the encouraging results from MTN-029, researchers are now about to begin a safety and acceptability study of the monthly dapivirine vaginal ring in 200 African women who are actively breastfeeding and their babies. The study, called B-PROTECTED (MTN-043), will also measure the effects, if any, this may have on their health. A companion study, named DELIVER (MTN-042), was launched by MTN earlier this year and will enroll 750 African pregnant women. Researchers are hopeful both studies will lead to new options for HIV prevention that women can use any time during their lives – including when they are pregnant and breastfeeding.

In the end, none of this progress could have been made without study volunteers like Bridget who have generously given their time and energy for the benefit of other women. “I always tell people, I don’t look at the wallet-size feature, I look at the mural on the wall. There is always a bigger picture than just that one part that you play. If my participation in this study could help just one person, then I feel like I’ve done my part,” she says.

- Clare Collins

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“A Look Back ...” is an occasional series to honor the communities, researchers, staff and study participants who have made countless and meaningful contributions to the work of the MTN since 2006.