

## ASPIRE Results At- A-Glance

- 2,629 women were enrolled across 15 clinical trial sites in four African Countries
  - 1,426 (54%) from South Africa (9 sites)
  - 678 (26%) from Zimbabwe (3 sites)
  - 272 (10%) from Malawi (2 sites)
  - 253 (10%) from Uganda (1 site)
  - Mean age was 26 (39% were younger than 25); and less than half (41%) were married
- 1,313 women were assigned to the dapivirine ring group and 1,316 women were assigned to the placebo ring group. Women were provided a new ring at each monthly visit. Follow-up was for a minimum of 12 months and an average of 18 months; 1,024 women completed more than 2 years follow-up.
- Participants attended 91% of all scheduled study visits; excluding early withdrawals, participants attended 97% of all scheduled visits.
- Dapivirine was detected in 82% of plasma samples at levels that indicated eight hours of product use prior to the visit (>95 pg/mL).
- No safety concerns were identified, and there were no differences in the frequency in antiretroviral resistance between arms among those who acquired HIV.
- Two primary analyses were conducted following intention-to-treat (ITT) principles, one including all 15 ASPIRE sites, and one defined early into the study that excluded data from two sites with less than ideal retention and adherence.

**Full 15 site analysis: 27% reduced risk of HIV (CI: 1%, 46%) p = 0.046**

168 women acquired HIV

71 in the dapivirine arm (3.3% annual incidence) vs. 97 in the placebo arm (4.5% annual incidence)

**13 site analysis: 37% reduced risk of HIV (CI: 12%, 56%) p = 0.007**

139 women acquired HIV

54 in the dapivirine arm (2.8% annual incidence) vs. 85 in the placebo arm (4.4% annual incidence)

- In pre-defined as-randomized subgroup analyses, HIV protection differed significantly by age:

**61% reduced risk of HIV for women ≥ 25 years [CI: 32%, 77%] p<0.001**

**10% reduced risk for women < 25 years (CI: -41%, 43%) p=0.64**

- Additional analyses were performed to further explore these results. Participants were stratified by age and divided into three groups with approximately equal numbers of HIV infections to balance statistical power

**Age 18-21: -27% effective (95% CI -133-31%) p=0.45**

451 women, 44 HIV infections, placebo annual incidence 5.4% (95% CI 3.2-8.4)

**Age 22-26: 56% reduced risk of HIV (95% CI 19-76%) p = 0.009**

752 women, 51 HIV infections, placebo annual incidence 6.1% (95% CI 4.3-8.3)

**Age 27-45: 51% reduced risk of HIV (95% CI 8-74%) p =0.028**

1,192 women, 44 infections, placebo annual incidence 3.0% (95% CI 2.0-4.4)

**Women >21 years: 56% reduced risk of HIV (CI: 31%, 71%, p<0.001)**

Adherence appeared to be higher in those >21 years of age than in those ages 18-21