OPTIONS Optimizing Prevention Technology Introduction On Schedule



THE COSTS OF PrEP IMPLEMENTATION ACROSS HIGH RISK POPULATIONS IN ZIMBABWE

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- Zimbabwe is scaling up availability of oral PrEP to populations at high risk:
 - >3% incidence per year: AGYW (16 24), FSW, MSM
- Need to understand costs of actual implementation to inform:
 - Program budgeting, national scale-up & cost-effectiveness (PrEP-it modeling)

Background

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- Need understanding on actual implementation costs to inform:
 - Program budgeting, national scale-up & cost-effectiveness (PrEP-it modeling)

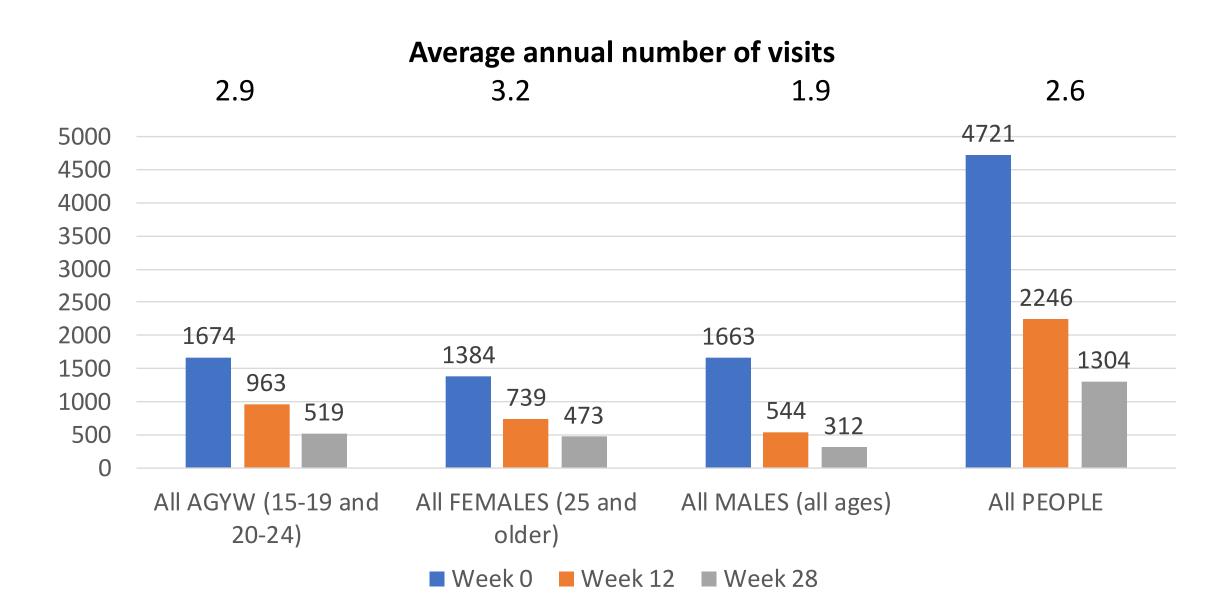
Costs of observed program implementation:

- Sample included all PrEP services implementing \geq 12 months, Jan-Dec 2018:
 - 6 PSI Zimbabwe clinics
 - I government health facility
- Provider perspectives (full economic costs)
- Time & Motion (I-6 providers per site) in all facilities
- Total costs and unit cost per person
- Modeling cost per person year protected on PrEP (\$ppy)



	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7
Management	PSI	PSI	PSI	PSI	PSI	PSI	Public sector
Site type	Stand- alone	City Health Clinic	Stand- alone	Stand- alone	Stand- alone	Stand- alone	City Health Clinic
Clinic size (visits/year)	124,124	5,070	22,356	53,214	28,217	3,614	63,928
PrEP prog start date	Nov 2016	Feb 2017	Nov 2016	Aug 2016	Aug 2016	Nov 2016	Jun 2017
Maturity (months)	29	27	29	32	32	29	18

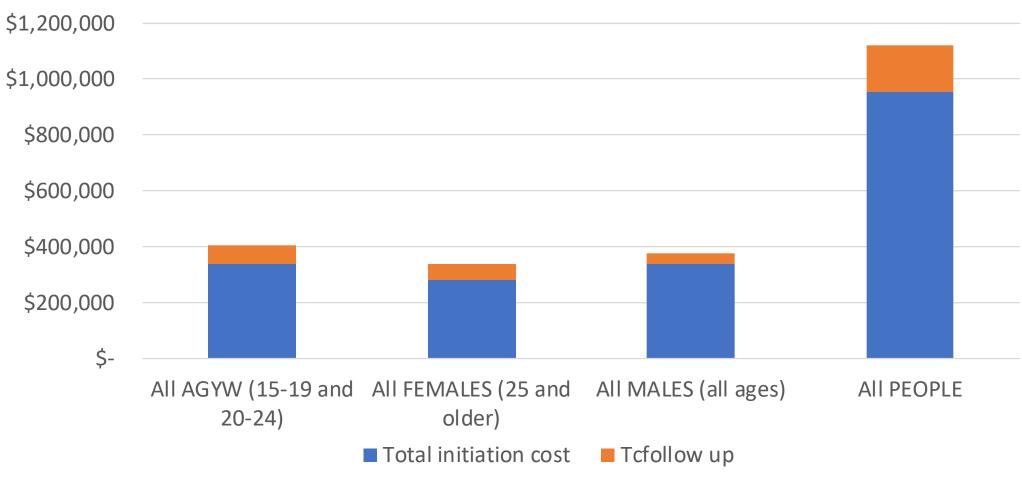
Outputs: Initiations and continuation at months 3 and 6





Total costs by population

Total cost= Ave \$ initiation visit * # initiated by population + Ave \$ follow up visit * # of follow up visits by population





Unit costs by population

	Average cost per person initiated	Cross Facility (min - max)
All AGYW (15-19 and 20-24)	\$232	(\$217 - \$262)
All FEMALES (25 and older)	\$236	(\$230 - \$263)
All MALES (all ages)	\$221	(\$210 - \$255)









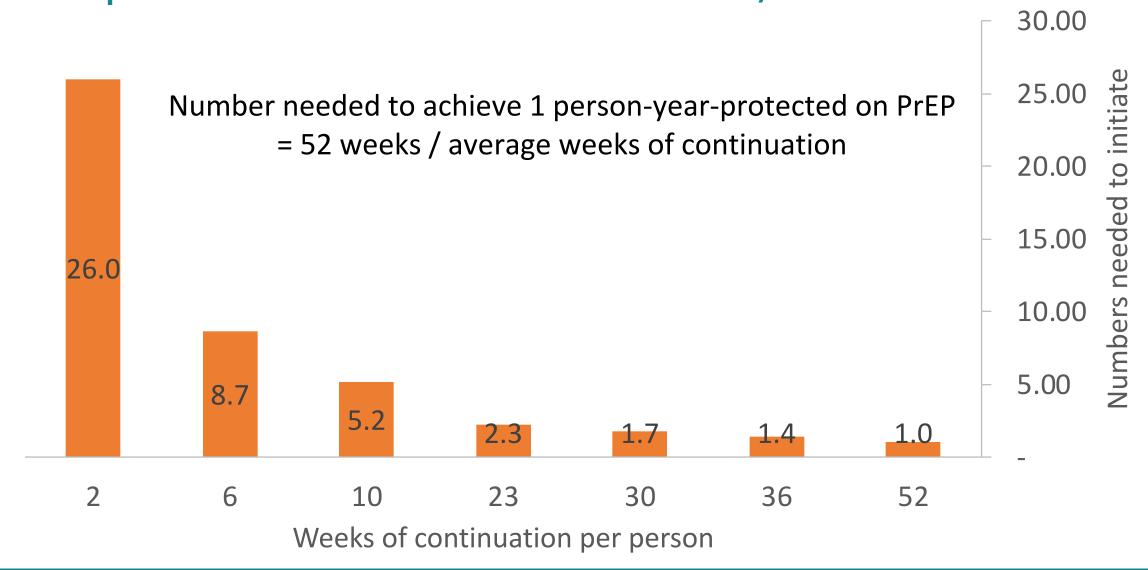






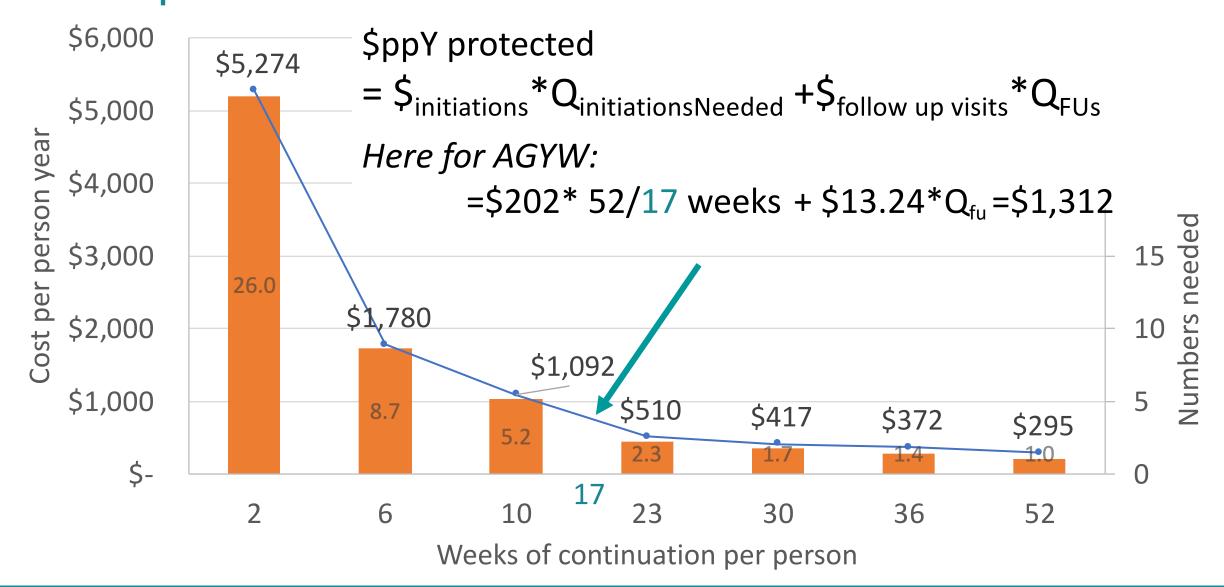
Cost per person year protected on PrEP:

Step 1: Estimate Number needed to initiate by continuation duration





Cost per person year protected on PrEP: Step 2: Attach costs to Initiation and continuation duration





Unit costs along the continuation cascade

	Average continuation in weeks	Total cost per person year	Cross facility (min - max)
AGYW (15-19 and 20-24)	17	\$1,312	(\$1,068 -\$2,452)
FEMALES (25 and older)	21	\$1,192	(\$1,045 -\$1,480)
MALES (all ages)	11	\$1,646	(\$1,132 -\$4,512)















Discussion

Total Cost Drivers

- Cost per person initiated similar across populations BUT
- More variation in cost per person year due to difference in continuation across populations.
 - Men show shortest continuation,
 - Adult women longest
- Huge drop in \$/ppY with higher continuation
- \$/initiation comparable to other estimates,
 but \$/continued client is higher

Why do clients initiate but not continue PrEP?

Better targeting and support for continuation

Future research & programmatic needs

 Tracking longitudinal PrEP client data to better understand/measure PrEP cycling on & off



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