

## Assessment of Family Planning- HIV Integration in Malawi

*Research Overview and  
Progress to Date*

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# Scope of Work

- Determine facility costs for family planning (FP) and HIV services (non-integrated vs. integrated)
  - Use patient service and cost data from 22 facilities to estimate the cost per patient for non-integrated vs. integrated\* FP and HIV services at the facility level

\* Integrated FP services are defined as FP and HIV clinical services provided to clients in one facility during one visit.

# List of Health Facilities

| District               | Name of Health Facility                      |
|------------------------|--|
| <b>Northern Region</b> |  |
| Nkhata Bay             | Nkhata Bay District Hospital                 |
|                        | Chintheche Rural Hospital                    |
|                        | Mpamba Health Centre                         |
|                        | Mzenga Health Centre                         |
|                        | Kande Health Centre (CHAM facility)          |
| Mzimba North           | Thunduwike Health Centre                     |
|                        | Mzuzu BLM Centre (BLM facility)              |
|                        | Engucwini Health Post                        |
| Mzimba South           | Manyamula Health Centre                      |
| <b>Central Region</b>  |  |
| Lilongwe               | Lumbadzi Health Centre                       |
| Mchinji                | Mchinji District Hospital (Mwai Clinic)      |
|                        | Kochilira Health Centre                      |
|                        | Nkhwazi Health Centre                        |
|                        | Nkanda Health Centre                         |
| Dedza                  | Dedza District Hospital                      |
|                        | Lobi Rural Hospital                          |
|                        | Golomoti Health Centre                       |
|                        | Ntakataka Health Centre                      |
| <b>Southern Region</b> |  |
| Mangochi               | Monkeybay Community Hospital (CHAM facility) |
|                        | Namwera Health Centre                        |
|                        | Phirilongwe Health Centre                    |
| Blantyre               | Madziabango Health Centre                    |

# Costing Assumptions

- Focus on costs of medical staff, as well as drugs and other medical supplies
  - Lack of accurate data on indirect costs—i.e., program/non-medical staff, facility operations (maintenance, electricity, fuel, etc.), medical equipment costs
  - Indirect cost components often allocated using patient service proportion—i.e., number of patients receiving services divided by all patients who received services at a facility
  - No difference in FP patient and HIV patient proportions (17% vs. 15%, respectively); as such, FP service and HIV service shares of indirect costs are about the same
  - If patient services are counted by person rather than by visit, then there will be a negligible difference between integrated and non-integrated service costs' share of indirect cost components (Adesina and Bollinger, 2013; Bollinger and Adesina, 2013)

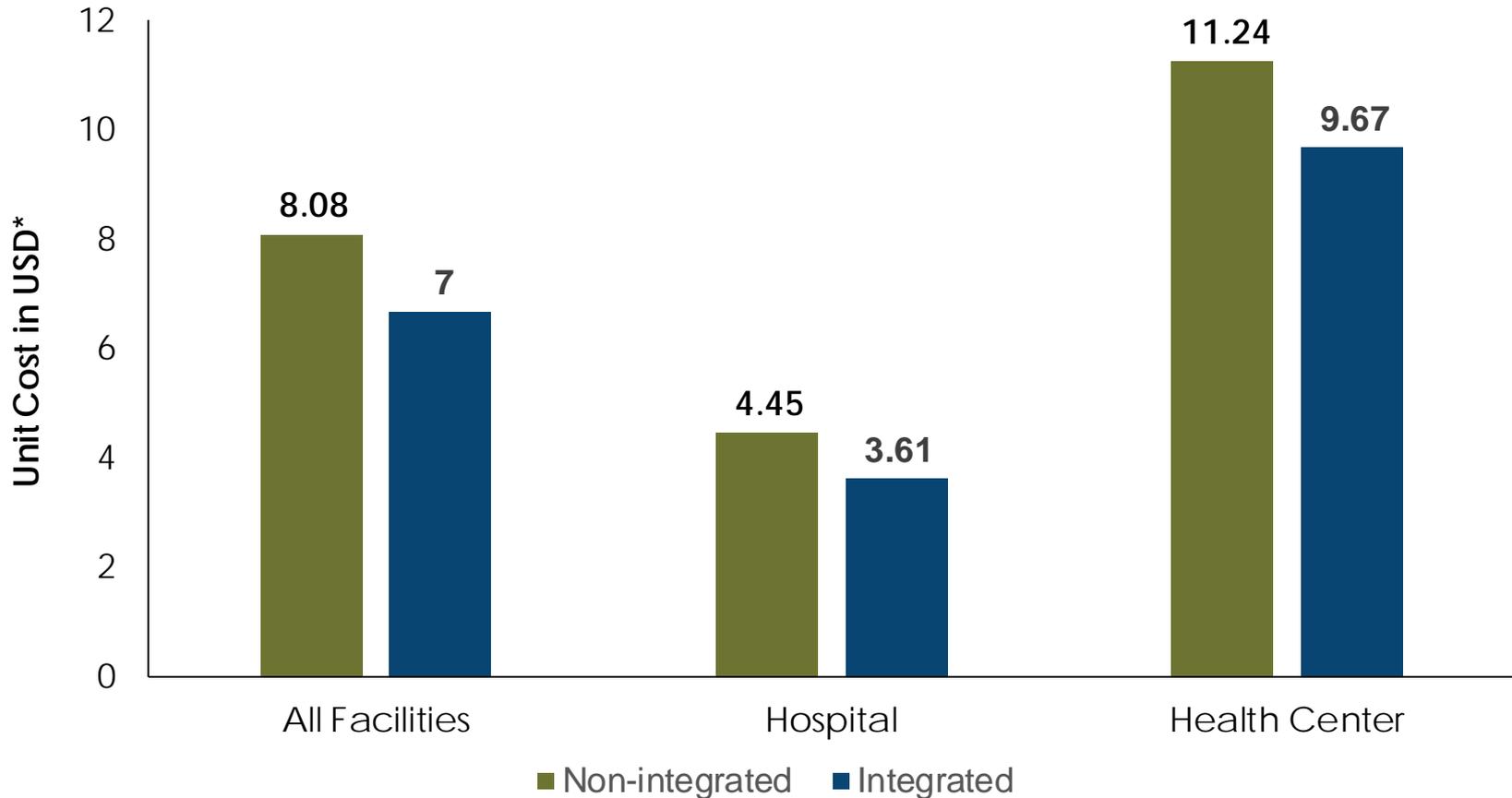
Adesina, A. and L.A. Bollinger. 2013. "Estimating the Cost-Savings Associated With Bundling Maternal and Child Health Interventions: A Proposed Methodology." *BMC Public Health* 13 Suppl 3:S27. doi: 10.1186/1471-2458-13-S3-S27.

Bollinger, L.A. and A. Adesina. 2013. *Cost-Effectiveness of Integrating PMTCT and MNCH Services: An Application of the LiST Model for Malawi, Mozambique, and Uganda*. DHS Occasional Paper No. 7. Calverton, MD: ICF International.

# Medical Staff Time

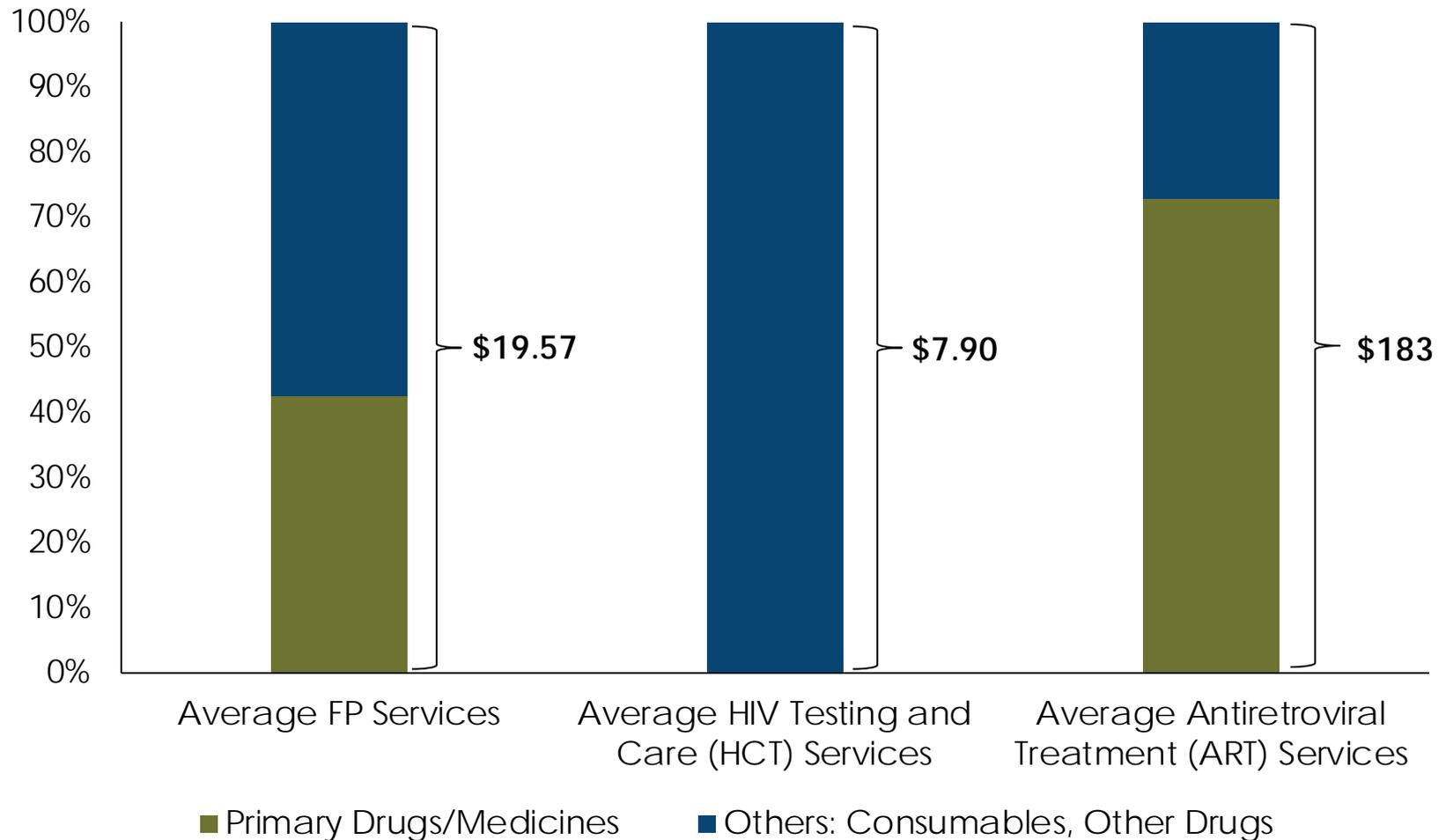
- Average annual salary of USD 702, or KWH 321,374
- Average of 53 minutes of medical providers' time for FP services per patient per year
- Average of 78 minutes of medical providers' time for HIV services per patient per year
- Average of 106 minutes of medical providers' time for integrated FP/HIV services per patient per year

# Medical Staff Costs: Non-integrated vs. Integrated Services

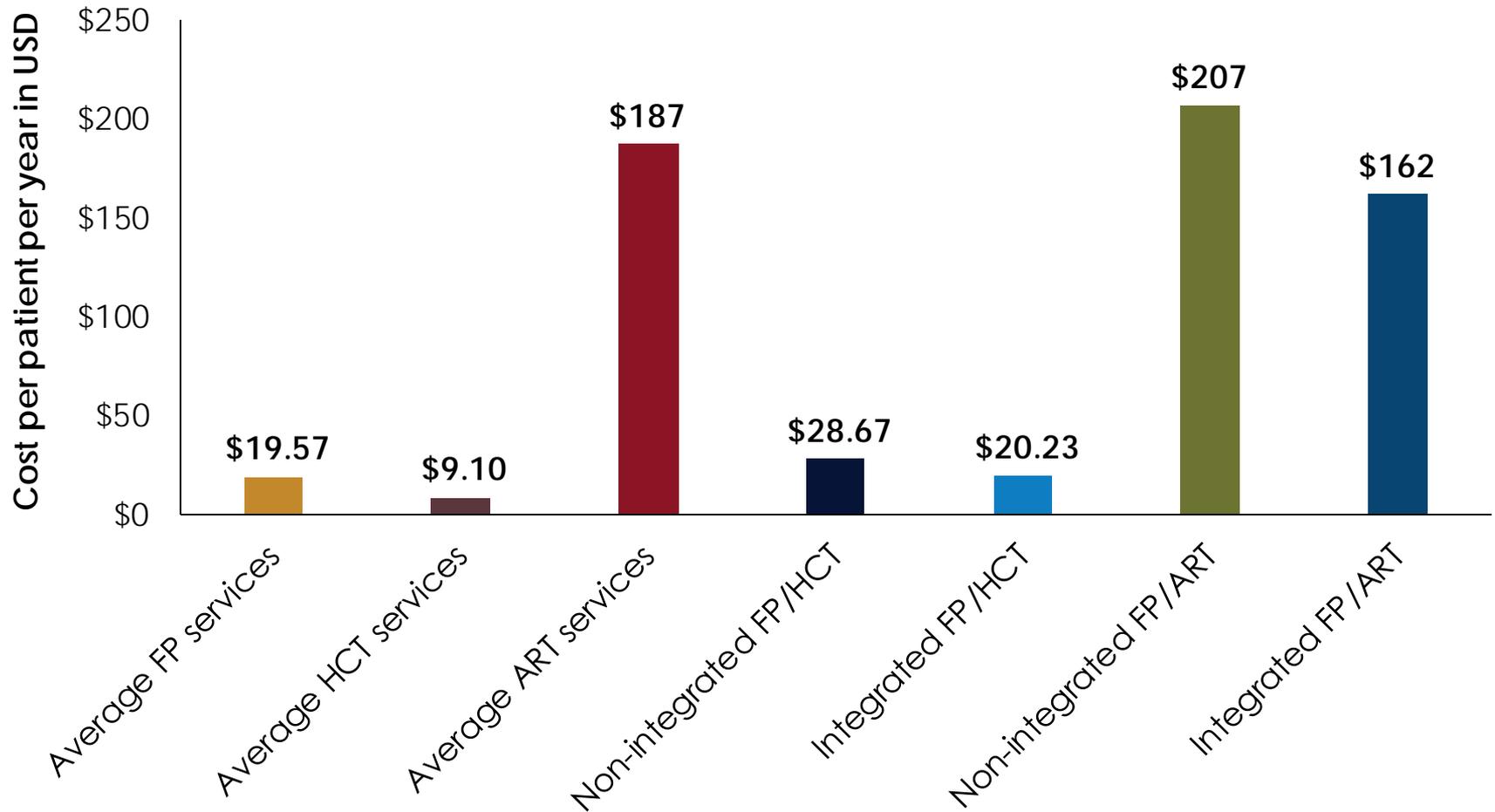


\* Average unit cost weighted by number of FP patients

# Cost of Drugs and Medical Supplies



# Cost of Medical Staff, Drugs, and Medical Supplies: Non-integrated vs. Integrated



# Thank You!

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