

Learning about Expanded Access and
Potential of the LNG-IUS (LEAP LNG-IUS)
Initiative

Calculating the direct service delivery costs of the levonorgestrel-releasing intrauterine system (LNG-IUS) per Couple Years of Protection

For additional information, please contact Kate
Rademacher at krademacher@fhi360.org



Calculating the direct service delivery costs per Couple Years of Protection (CYP) for FP methods



Cost input	Information Source
Commodity costs to international procurers	UNFPA product catalogue ¹ or information from supplier (in case of LNG-IUS)
Direct labor for counseling, insertion, removal, and resupply (if required)	Questionnaires administered among Society for Family Health providers, 2018
Consumable supplies and equipment*	UNFPA price catalogue
CYP conversion factors	USAID guidelines ²

*Equipment divided by estimated number of uses over lifetime of instrument

1- UNFPA product catalogue: <https://www.unfpaprocurement.org/products>

2- USAID CYP factors: <https://www.usaid.gov/what-we-do/global-health/family-planning/couple-years-protection-cyp>

Costing Inputs – Staff time (SFH provider interviews)



Provider estimates of time spent for (minutes) on insertion:

Method Type	Average time (mean), in minutes	Average time (median), in minutes	Range, in minutes
LNG-IUS	15	12.5	5-30
Copper IUCD	15	12.5	5-30
2-rod Implant	7	6.5	2-12.5
1-rod Implant	5	5	1-10



Provider estimates of time spent for (minutes) on removal:

Method Type	Average time (mean), in minutes	Average time (median), in minutes	Range, in minutes
LNG-IUS	7	5	5-15
Copper IUCD	10	5	2-45
2-rod Implant	12	10	5-20
1-rod Implant	9	8	3-15



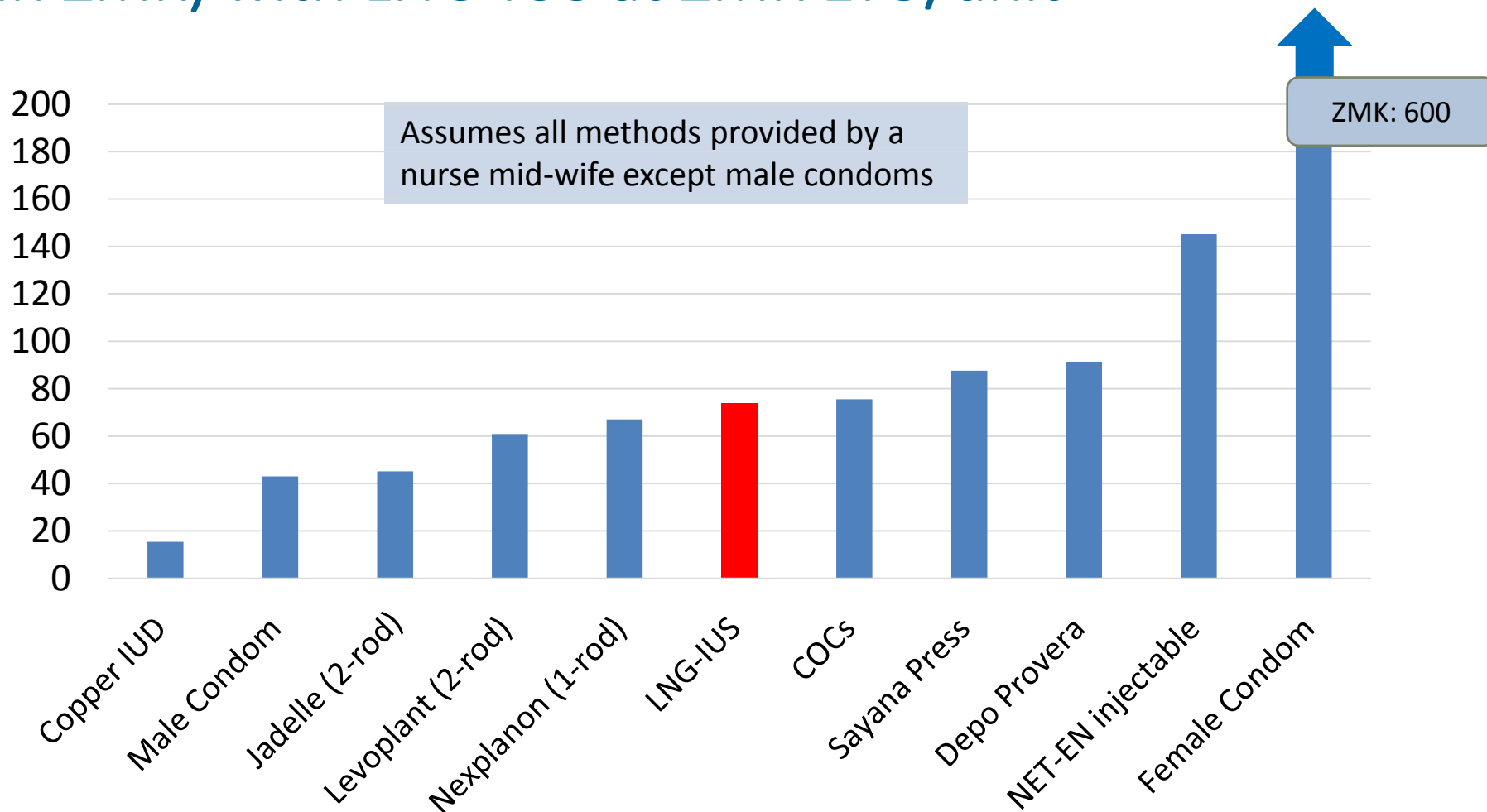
Costing Inputs – Couple Years Protection conversion factors & commodity costs (in ZMK)



Method	CYP Per Unit	Commodity cost per unit
Copper-T 380-A IUD	4.6 CYP per IUD inserted	ZMK 4
LNG-IUS	3.3 for 5-year LNG-IUS	ZMK 179 (average price; varies by volume)
Nexplanon (2-rod; 3 years duration)	2.5 CYP per implant	ZMK 101
Levonplant (2-rod; 3 years duration)	2.5 CYP per implant	ZMK 82
Jadelle (2-rod; 5 years duration)	3.8 CYP per implant	ZMK 101
Oral Contraceptives	15 cycles per CYP	ZMK 3
Male Condoms	120 units per CYP	ZMK 0.36
Female Condoms	120 units per CYP	ZMK 5
Sayana Press (DMPA-SC) Injectable	120 units per CYP	ZMK 10
Depo Provera (DMPA-IM) Injectable	4 doses per CYP	ZMK 11
Noristerat (NET-EN) Injectable	6 doses per CYP	ZMK 13

LNG-IUS pricing in model assumes purchase of the **AVIBELA** LNG-IUS

Results: Direct Service Delivery Costs per CYP (in ZMK) with LNG-IUS at ZMK 179/unit



Approach adapted from: Rademacher KH, Solomon M, Brett T, Bratt JH, Pascual C, Njunguru J, Steiner MS. Expanding access to a new, more affordable levonorgestrel intrauterine system in Kenya: A comparison of service delivery costs and perspectives from Key Opinion Leaders. *Glob Health Sci Pract*. 2016;4 Suppl 2:S83-S93.

Summary

- The direct service delivery costs of the LNG-IUS per couple years of protection are comparable with other contraceptive methods.