GHSC-PSM VOLUNTARY MEDICAL MALE CIRCUMCISION (VMMC) REFERENCE GUIDE
INTRODUCTION AND OVERVIEW

GHSC-PSM PROGRAM BACKGROUND

The USAID Global Health Supply Chain Program—Procurement and Supply Management (GHSC-PSM) project connects technical solutions, experts, and proven commercial processes to promote efficient and cost-effective health supply chains worldwide. Our goal is to ensure uninterrupted supplies of health commodities to save lives and to create a healthier future for all. The project directly supports five global health areas of importance to the U.S. government:

- The U.S. President’s Emergency Plan for AIDS Relief to help reach the global 95-95-95 HIV/AIDS testing, treatment and viral load suppression targets.
- The U.S. President’s Malaria Initiative to reduce malaria deaths and substantially decrease Malaria morbidity, towards the long-term goal of elimination.
- USAID’s population and reproductive health program to ensure that key reproductive health commodities are available for safe and reliable family planning.
- USAID’s maternal, newborn, and child health program to help prevent child and maternal deaths.
- Other public health threats as they emerge, with support for Zika and Ebola at this time.

Working across Africa, Asia, Central America and the Caribbean, we operate in some of the world’s most challenging environments to ensure that lifesaving health supplies reach those most in need.

The project purchases and delivers health commodities, offers comprehensive technical assistance to strengthen national supply chain systems, and provides global supply chain leadership. Since our launch, we have procured commodities for more than 50 countries, established 30 field offices and provided technical assistance in supply chain functions in 40 countries.

PURPOSE AND INTENDED USERS

This document is intended to serve as a reference guide to assist GHSC-PSM staff, VMMC implementing partners, USAID personnel and other stakeholders of PEPFAR-funded VMMC programs to better understand PEPFAR’s recommended VMMC kit options and provide information necessary to effectively plan for procurements. The document includes overviews of the PEPFAR-approved VMMC kit options, information on kit costs and associated procurement lead times.
OVERVIEW

GHSC-PSM participates in meetings of and provides periodic input to support the Office of HIV/AIDS (OHA) VMMC Technical Working Group (TWG) in its role of leading the procurement and supply chain management of VMMC kits and commodities for PEPFAR-sponsored programs. In May 2009, PEPFAR’s VMMC TWG met and standardized the components and commodities to be included in their VMMC kit offerings. This standardization allows for GHSC-PSM to negotiate the lowest prices possible while maintaining the highest quality for the VMMC program. Therefore, when ordering kits for PEPFAR programs, partners are generally required to procure from the options below.

The PEPFAR VMMC TWG has agreed on the following VMMC kit options

- REUSABLE INSTRUMENTS FOR DORSAL SLIT / SLEEVE RESECTION PROCEDURES KIT
  * REQUIRES SINGLE USE PACK OF ESSENTIAL CONSUMABLES

- SINGLE USE KIT FOR DORSAL SLIT/SLEEVE RESECTION (COMVINIENCE KIT)

- SINGLE USE KIT SHANGRING

EXHIBIT 1: PEPFAR VMMC TWG APPROVED KIT TYPES
Detailed descriptions for each VMMC kit, along with associated price and lead time information, can be found throughout this document. If you have any questions concerning the VMMC program, products, or procurements please contact Stephen Wynn swynn@ghsc-psm.org.

**Note about ordering VMMC kits:**

<table>
<thead>
<tr>
<th>VMMC Kit Specifications and Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is important to emphasize that VMMC kits are custom-designed specifically for this program. Individual kit components cannot be removed, supplemented, or substituted. In addition, orders are subject to administrative, manufacturing, and transportation lead times which should be considered when planning and placing orders.</td>
</tr>
</tbody>
</table>
REUSABLE INSTRUMENTS VS. SINGLE USE SURGICAL KITS

A key program decision centers on whether to use disposable single use VMMC kits that include all the surgical instruments and consumables required to perform one VMMC procedure in a sterile package, or to prioritize the use of reusable surgical instruments that can be sterilized and reused multiple times and are paired with a consumables pack of single use supplies (gauze, needles, scalpel blade, gloves, etc.). Several program considerations as well as advantages/disadvantages of each kit type should be considered during planning and procurement. See the following table from PEPFAR’s Best Practices for Voluntary Medical Male Circumcision Site Operations Guide for information to aid decision making.²

EXHIBIT 3: ADVANTAGES AND DISADVANTAGES OF SINGLE USE AND REUSABLE VMMC KITS

<table>
<thead>
<tr>
<th>ADVANTAGES</th>
<th>SINGLE USE VMMC KITS WITH DISPOSABLE INSTRUMENTS</th>
<th>VMMC KITS OF REUSABLE INSTRUMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Ensure high-quality, sterile content in both non-hospital and hospital settings</td>
<td>• Well-maintained reusable instruments are easier to use than disposable plastic and stainless steel instruments</td>
</tr>
<tr>
<td></td>
<td>• Are logistically and operationally easier, especially in mobile outreach services</td>
<td>• Build health system capacity and infrastructure</td>
</tr>
<tr>
<td></td>
<td>• Reduce initial startup program costs</td>
<td>• Employ local personnel</td>
</tr>
<tr>
<td></td>
<td>• Eliminate autoclave maintenance, personnel, training, and other costs</td>
<td>• Create less waste and there is less need for waste management procedures</td>
</tr>
<tr>
<td></td>
<td>• Can combine consumables, disposable instruments, and even client education materials into one kit</td>
<td>• Require fewer long-term resources to procure additional instruments</td>
</tr>
<tr>
<td></td>
<td>• Can be bundled to ease ordering and managing of supplies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Increase service delivery efficiency</td>
<td></td>
</tr>
<tr>
<td>DISADVANTAGES</td>
<td>• Create substantial amounts of waste, including stainless steel instruments that require smelting or burying, thus raising environmental concerns</td>
<td>• Require additional staff time for cleaning, sterilizing, and packaging instruments, and monitoring procedures</td>
</tr>
<tr>
<td></td>
<td>• Limit the flexibility of clinicians to use their preferred equipment and surgical method</td>
<td>• Require autoclave availability and regular maintenance for sterilization</td>
</tr>
<tr>
<td></td>
<td>• Are prone to having contents pilfered which could compromise the sterility of the remaining components</td>
<td>• Require water and power supply at site of autoclaving</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• May require additional time for procurement, because kits are secured from multiple sources</td>
</tr>
</tbody>
</table>

The “Reusable Instruments for Dorsal Slit / Sleeve Resection Procedures” kit includes a set of metal surgical instruments sufficient for the dorsal slit / sleeve resection procedure. In addition to the reusable instruments, programs should procure the “Single Use Pack of Essential Consumables” for every procedure intended to be completed using the reusable instruments. This pack provides all the standard consumables necessary to perform a procedure. The surgical instruments included in this kit are listed in Exhibit 5, and the components in the required consumables pack are listed in Exhibit 5A.

Pharmaceuticals, such as approved injectable anesthetics, are not included in the kits as they fall under a different set of packaging, shipping, and regulatory requirements. These items are available for purchase separately.

### REUSABLE INSTRUMENTS FOR DORSAL SLIT / SLEEVE RESECTION PROCEDURES KIT (100513)

<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Autoclave Storage Box</td>
<td>• Estimated Dimensions: 5&quot;W x 10&quot;L x 2&quot;H</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Dissection Scissors – Slightly Curved</td>
<td>• Total Length: 13-15 cm Also known as Tissue Dissecting slightly curved scissors. Example: Slightly Curved Metzenbaum</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Suture Scissor</td>
<td>• Total Length: 12-15 cm • Sharp enough to cut tissue Example: straight mayo suture scissors</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Needle Holder</td>
<td>• Total Length: 12-14 cm • Working Surface: 20 mm Example: Baumgartner Needle Holder</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Metal Tissue Forceps</td>
<td>Total length: 12 cm Tip: Serrated: 1 x 2 – delicate tips Also known as Adson Forceps</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Mosquito Clamp Straight</td>
<td>• Total length: 12-14 cm Also known as “Snaps”, Mosquito Forceps, Hemostatic Forceps</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Mosquito Clamp Curved</td>
<td>• Total length: 12-14 cm • Working Surface: 20-30 mm Also known as &quot;Snaps&quot;, Mosquito Forceps, Hemostatic Forceps</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Hemostatic Clamps</td>
<td>• Total Length: 13-15 cm • Working Surface: 40 mm Also known as “Artery Forceps for Dorsal Slit VMMC”</td>
<td>2</td>
</tr>
</tbody>
</table>

*Reusable kits need not be sterile. The master label will include the following text: “Non-Sterile Kit: Requires Sterilization Prior to Use”*
## EXHIBIT 5A: SINGLE USE PACK OF ESSENTIAL CONSUMABLES (100516)

<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
</table>
| 1    | Multipurpose Container Tray | • Stable Plastic Recycle Tray of a virgin plastic (minimum 700 micron), with 4 Compartments:  
• Compartment 1 = 13 X 26 cm  
• Compartment 2 = 5 X 8 cm  
• Compartment 3 = 5 X 5 cm  
• Compartment 4 = 5 X 13 cm  
• Total Tray size: 26 X 18 cm | 1 |
| 2    | O-Drape | • Dimensions: 100 cm X 75 cm  
• Disposable  
• One side absorbable and one side impermeable. The two different sides should be fused together and not lint.  
*Note: The O-hole should be closer to the center, and the drape should be folded in such a way that the O is visible with the fluid-resistant side exposed without unfolding/touching the drape.* | 1 |
| 3    | Scalpel Blade with Handle | • Blade Type: 23  
• Retractable and Lockable: The lockable mechanism should also guarantee that once the blade is retracted after use it locks without allowing the user to show the blade again.  
• Total Length: 11 cm  
• Full scalpel blade and handle required.  
• Disposable  
Example: Medisafe Safety Scalpel | 1 |
| 4    | Gauze, Plain | • Dimensions: 100 X 100mm  
• 12 ply  
Also known as Gauze Swabs | 20 |
| 5    | Gauze, Petroleum Jelly Impregnated | • Dimensions: 10cm X 10cm  
• 1 Ply  
• Packaging: In foil pack.  
Also known as Paranet Gauze | 1 |
| 6    | Syringe | • Size: 10 mL  
• Disposable | 1 |
| 7    | Injection Needle: 21 g | • Gauge: 21G  
• Length: 1.5 inch | 1 |
| 8    | Injection Needle: 25 g | • Gauge: 25G  
• Length: 1.5 inch | 1 |
| 9    | Suture | • Size: 3-0  
• Suture length: 75 cm  
• Suture Material: Braided Synthetic Polyglycolic acid  
• Needle type: 3/8 Circle Reverse Cutting  
• Needle length: 26 mm  
• Packing: Individually packed in sterile medical grade pack | 2 |
<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
</table>
| 10   | Surgical Gloves: Size 7.0 | • Size: 7.0  
• Sterile  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards.  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 2 pairs |
| 11   | Surgical Gloves: Size 7.5 | • Size: 7.5  
• Sterile  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 1 pair |
| 12   | Surgical Gloves: Size 8.0 | • Size: 8.0  
• Sterile  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 1 pair |
| 13   | Apron, Disposable | • Material: Plastic,  
• Minimum thickness: 2 mil / 50 micron | 2 |
| 14   | Alcohol Swabs | • Dimensions: 1 ¼ inch x 2 ½ inch  
• Saturated with 70% Isopropyl Alcohol  
• Disposable  
• Individually packaged | 2 |
| 15   | Surgical Paper Tape | • Type: Surgical grade  
• Width: 12 mm  
• Length: 3 meter | 1 roll |
| 16   | Sterile Prep Gloves: Medium | • Size: Medium  
• Sterile  
• Non-powdered  
• Must conform to ASTM D3578-05 standards.  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 1 pair |
| 17   | Sterile Prep Gloves: Large | • Size: Large  
• Sterile  
• Non-powdered  
• Must conform to ASTM D3578-05 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 1 pair |
| 18   | Surgical Crepe Paper | • Wrapping: Surgical blue crepe paper.  
• Dimensions: 60 cm X 60 cm | 1 |
<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
</table>
| 19   | Sterility Indicators | Kit must contain at least 3 ETO sterility indicators:  
  - Exterior Indicator: on the exterior of the kit but inside the sterility indicator bag. This indicator may be a Class 1 chemical indicator tape.  
  - Top Indicator: Placed immediately on top of the kit components. This sterility indicator may be a chemical indicator strip Class 4 or a Class 5 indicator.  
  - Middle or Bottom Indicator: Placed anywhere within the middle or bottom of the kit. Sterility indicator may be a chemical indicator strips Class 4 or a Class 5. | 3 |
| 20   | Paper Towels | • Four pieces  
  • Note: for drying clean hands during preparation | 4 |
| 21   | Skin Markers | • Basic marker to be included in the pack  
  • This does not have to be sterile prior to ETO | 1 |
| 22   | Indicator Bag and Sterilization | • 0.3µ Sterilization Indicator Bag used for Kit ETO Sterilization.  
  • The expiration date of items with expiration date should be included.  
  
  Note: All kits including items inside the kit must have an expiration date greater than 24 months from the date of manufacture. | 1 |
CONVENIENCE KIT FOR DORSAL SLIT/SLEEVE RESECTION

The Convenience Kit for Dorsal Slit/Sleeve Resection (Single Use, Sterile) contains disposable (single use) surgical instruments as well as consumables for one procedure. Items in the kit are conveniently provided in a sterile four-compartment tray. The kit is wrapped in surgical crepe paper (60 x 60 cm) and is sterilized by ethylene oxide (ETO) in a 0.3μ sterilization indicator bag. Expiration date is indicated on the sterilization bag.

Pharmaceuticals, such as approved injectable anesthetics, are not included in the kits as they fall under a different set of packaging, shipping, and regulatory requirements. These items are available for purchase separately.

EXHIBIT 8: SINGLE USE KIT FOR ALL SURGICAL PROCEDURES (100574)

<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Multipurpose Container Tray</td>
<td>• Stable Plastic Recycle Tray composed of a virgin plastic (minimum 700 micron), with 4 Compartments:  ◦ Compartment 1 = 13 X 26 cm  ◦ Compartment 2 = 5 X 8 cm  ◦ Compartment 3 = 5 X 5 cm  ◦ Compartment 4 = 5 X 13 cm  • Total Tray size: 26 X 18 cm</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>O-Drape</td>
<td>• Dimensions: 100 cm X 75 cm  • Disposable  • One side absorbable and one side impermeable. The two different sides should be fused together and not lint.  <strong>Note:</strong> The O-hole should be closer to the center, and the drape should be folded in such a way that the O is visible with the fluid-resistant side exposed without unfolding/touching the drape.</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Gauze, Plain</td>
<td>• Dimensions: 100 X 100mm  • 12ply  Also known as Gauze Swabs</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>Gauze, Petroleum Jelly Impregnated</td>
<td>• Dimensions: 10cm X 10cm  • 1 Ply  • Packaging: In foil pack. Also known as Paranet Gauze</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Syringe</td>
<td>• Size: 10 mL  • Disposable</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Injection Needle</td>
<td>• Gauge: 21G  • Length: 1.5 inch</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Injection Needle</td>
<td>• Gauge: 25G  • Length: 1.5 inch</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Suture</td>
<td>• Size: 3-0  • Suture length: 75 cm  • Suture Material: Braided Synthetic Polyglycolic acid  • Needle type: 3/8 Circle Reverse Cutting  • Needle length: 26 mm  • Packing: Individually packed in sterile medical grade pack.</td>
<td>2</td>
</tr>
<tr>
<td>Item</td>
<td>Product</td>
<td>Component Specification</td>
<td>Qty</td>
</tr>
<tr>
<td>------</td>
<td>---------</td>
<td>--------------------------</td>
<td>-----</td>
</tr>
</tbody>
</table>
| 9    | Surgical Gloves: Size 7 | • Size: 7.0  
• Sterile  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening | 2 pairs |
| 10   | Surgical Gloves: Size 7.5 | • Size: 7.5  
• Sterile  
• Latex  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening. | 1 pair |
| 11   | Surgical Gloves: Size 8 | • Size: 8.0  
• Sterile  
• Non-powdered  
• Sealed  
• Must conform to ASTM D3577-09e1 standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening. | 1 pair |
| 12   | Apron, Disposable | • Material: Plastic  
• Minimum thickness: 2 mil / 50 micron | 2 |
| 13   | Alcohol Swabs | • Dimensions: 1 ¼ inch x 2 ½ inch  
• Saturated with 70% Isopropyl Alcohol  
• Disposable  
• Individually packaged | 2 |
| 14   | Surgical Tape | • Type: Surgical grade  
• Width: 12 mm  
• Length: 3 meter | 1 roll |
| 15   | Sterile Prep Gloves Medium | • Size: Medium  
• Sterile  
• Non-powdered  
• Must conform to D3578-05 (2010) standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening. | 1 pair |
| 16   | Sterile Prep Gloves: Large | • Size: Large  
• Sterile  
• Non-powdered  
• Must conform to D3578-05 (2010) standards  
• Properly labeled with the size on the glove packaging or alternatively printed on the glove wrist and visible during kit opening. | 1 pair |
<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Component Specification</th>
<th>Qty</th>
</tr>
</thead>
</table>
| 17   | Needle Holder | • Total Length: 12-14 cm  
• Working Surface: 20mm  
• Serrated Jaws  
• Disposable  
• Example: Baumgartner Needle Holder | 1 |
| 18   | Metal Tissue Forceps | • Total length: 12 cm  
• Tip: 1 x 2 tooth – delicate tips  
• Disposable  
Also known as Adson forceps | 1 |
| 19   | Mosquito Clamp Straight | • Total length: 12-14 cm  
• Working Surface: 30 mm  
• Disposable  
Also known as Mosquito Forceps, Hemostatic Forceps. Example Halstead Disposable Straight Mosquito | 4 |
| 20   | Mosquito Clamp Curved | • Total length: 12-14 cm  
• Working Surface: 30 mm.  
• Disposable  
Also known as Mosquito Forceps, Hemostatic Forceps. Example: Halstead disposable Curved Mosquito | 1 |
| 21   | Dissecting Scissors – slightly curved | • Total Length: 13-15 cm  
Also known as: Tissue Disposable Dissecting slightly curved Scissors. Example: Slightly curved Metzenbaum | 1 |
| 22   | Surgical Crepe Paper | • Wrapping: Surgical blue crepe paper.  
• Dimensions: 60 cm X 60 cm | 1 |
| 23   | Sterility Indicators | Kit must contain at least 3 ETO sterility indicators:  
• Exterior Indicator: on the exterior of the kit but inside the sterility indicator bag. This indicator may be a Class I chemical indicator tape | 3 |
| 24   | Paper Towels | • Four pieces  
*Note: for drying clean hands during preparation.* | 4 |
| 25   | Skin Markers | • Basic marker to be included in the pack  
• This does not have to be sterile prior to ETO | 1 |
| 26   | Indicator Bag and Sterilization | • 0.3µ Sterilization Indicator Bag used for Kit ETO Sterilization.  
• The expiration date of items with expiration date should be included.  
*Note: All kits including items inside the kit must have an expiration date greater than 24 months from the date of manufacture.* | 1 |
VMMC KIT PRICES

GHSC-PSM has entered into long-term contracts with several major VMMC kit suppliers, guaranteeing a ceiling price for kits for the foreseeable future. The prices listed in Exhibit 10 below are the median prices provided by GHSC-PSM suppliers.

EXHIBIT 10: MEDIAN PRICE PER VMMC KIT

<table>
<thead>
<tr>
<th>VMMC Kit Costs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Convenience Kit for Dorsal Slit/Sleeve Resection</td>
<td>$11.39</td>
</tr>
<tr>
<td>Essential Consumables Kit</td>
<td>$4.89</td>
</tr>
<tr>
<td>Reusable Instruments for Dorsal Slit/Sleeve Resection</td>
<td>$23.90</td>
</tr>
</tbody>
</table>

Actual prices for the kits may vary slightly up or down by order, but the above should be used for planning and budgeting.

VMMC KIT LEAD TIMES

Lead times for VMMC kits can vary significantly depending on the supplier of the product, the mode of shipment, the end destination, whether GHSC-PSM has unallocated stock of the item, etc. Therefore, for planning purposes please use the lead times for kit orders below in Exhibit 11. Please reach out to your GHSC-PSM POC for a more detailed lead time estimate.

EXHIBIT 11: LEAD TIMES IN MONTHS

<table>
<thead>
<tr>
<th>Country</th>
<th>Direct Drop</th>
<th></th>
<th>RDC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sea</td>
<td>Air</td>
<td>Sea</td>
<td>Air</td>
</tr>
<tr>
<td>Botswana</td>
<td>8.25</td>
<td>7.5</td>
<td>3.5</td>
<td>3</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>8.5</td>
<td>6.5</td>
<td>3</td>
<td>2.25</td>
</tr>
<tr>
<td>Kenya</td>
<td>8.25</td>
<td>7.75</td>
<td>2.75</td>
<td>3.25</td>
</tr>
<tr>
<td>Lesotho</td>
<td>8.25</td>
<td>6.5</td>
<td>3</td>
<td>2.25</td>
</tr>
<tr>
<td>Malawi</td>
<td>8.5</td>
<td>7</td>
<td>3.75</td>
<td>2.5</td>
</tr>
<tr>
<td>Mozambique</td>
<td>10.75</td>
<td>8.75</td>
<td>5.25</td>
<td>4.5</td>
</tr>
<tr>
<td>Namibia</td>
<td>8.25</td>
<td>7</td>
<td>3.5</td>
<td>2.5</td>
</tr>
<tr>
<td>Rwanda</td>
<td>8.5</td>
<td>7</td>
<td>3.25</td>
<td>2.5</td>
</tr>
<tr>
<td>South Africa</td>
<td>8.25</td>
<td>6.5</td>
<td>3.5</td>
<td>2.25</td>
</tr>
<tr>
<td>Swaziland</td>
<td>8.5</td>
<td>7</td>
<td>4</td>
<td>2.5</td>
</tr>
<tr>
<td>Tanzania</td>
<td>9</td>
<td>7.75</td>
<td>3.5</td>
<td>3.25</td>
</tr>
<tr>
<td>Uganda</td>
<td>8.5</td>
<td>8.5</td>
<td>3.75</td>
<td>4</td>
</tr>
<tr>
<td>Zambia</td>
<td>8.75</td>
<td>7.25</td>
<td>4</td>
<td>2.75</td>
</tr>
<tr>
<td>Zimbabwe</td>
<td>8.75</td>
<td>7.5</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

“Direct Drop” refers to orders placed directly with the suppliers of VMMC kits. Orders are placed directly with suppliers when the lead time allows and when GHSC-PSM does not have adequate stock on hand in its warehouse (RDC).

“RDC,” or Regional Distribution Center, refers to orders that can be fulfilled using stock on hand in GHSC-PSM’s RDCs. Stock will not always be on hand to fulfill an order.
ADDITIONAL RESOURCES

Additional resources related to the VMMC program produced by GHSC-PSM and other agencies are listed below.

QUANTIFICATION OF VMMC COMMODITIES
Overview: This is a package of a guide and a basic quantification tool developed in Excel to assist with the quantification of VMMC commodities.

The guide and tool are being finalized and are not currently posted on the website. Please reach out to the contacts listed below for the most recent information.

Contact Information:
VMMC Technical Manager: swynn@ghsc-psm.org
Forecasting and Supply Planning Team: (HSS_FASP_HQ@ghsc-psm.org)
VMMC Team: (HSS_VMMC_HQ@ghsc-psm.org)
GHSC-PSM Plan Team: (PSMPlan@ghsc-psm.org)

VOLUNTARY MEDICAL MALE CIRCUMCISION: A GUIDE TO SAFER HEALTH CARE WASTE MANAGEMENT PRACTICES
Overview: A program management guide to safer health care waste management practices for voluntary medical male circumcision activities. (Link to guide.)

PEPFAR'S BEST PRACTICES FOR VOLUNTARY MEDICAL MALE CIRCUMCISION SITE OPERATIONS: A SERVICE GUIDE FOR SITE OPERATIONS, SECOND EDITION
Overview: This resource for site-level staff of implementing partners supported by the President’s Emergency Plan for AIDS Relief (PEPFAR) offers guidance on proven approaches to providing high-quality voluntary medical male circumcision (VMMC) services at the facility or site level. The first edition covered all aspects of the planning, launch, and oversight of daily operations at VMMC sites. Given the maturation of VMMC programs since 2012, the second edition focuses on optimizing management of existing service locations, but also includes chapters for those establishing new sites. Each chapter of the guide is designed as a stand-alone resource, covering all aspects of each topic, including summaries of the essential information; links to tools, instruments, and guides; and case studies, where applicable. (Link to resource.)

INTRODUCTION AND USE OF REUSABLE INSTRUMENTS IN VOLUNTARY MEDICAL MALE CIRCUMCISION PROGRAMS
Overview: This orientation and resource guide describes considerations for the planning, operation, and maintenance of a reusable surgical instrument inventory, drawing from the implementation experiences of programs that either always relied on reusables or transitioned away from single use surgical instrument. The guide summarizes insights from the available literature, expert consultations on safe surgery, and program experience, including feedback from front-line health workers and program managers. It will be updated as more programs adopt reusable instruments. (Link to guide.)

PEPFAR MALE CIRCUMCISION PARTNERS’ MEETING: COMMODITIES AND IMPROVED COORDINATION OF MALE CIRCUMCISION FOR HIV PREVENTION
Overview: This document provides additional context and information regarding the components of the standard VMMC kits and additional products. (Link to document.)

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