



## **EPTS OpenMRS**

# **Reports Requirements Indicator Specification Document DSD – Indicators IM ER Report**

**Version 1.4**



## Version

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# Approvals and Sign-off

## Approvals Panel

Version	Approver	Approved by	Date
1.4	CDC		

## Approvals Panel

The Approver signatures signify that this document has been reviewed and satisfies the project governance, business and system needs.

**Document Title:** EPTS OpenMRS Indicator Specification and Requirements – IM ER Report

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## Authors Signature

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The Authors signatures represent the EPTS Requirements Gathering Group composed by two CDC Partners, Jembi Health Systems (HIS Partner) and FGH (Clinical Partner) and signify that this document is complete and that, to the best of their knowledge, it adequately addresses the document's intended purpose and scope and it is accurate.

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# I Introduction

## I.a Purpose

The purpose of this document is to capture the requirements and specifications for the following **DSD Indicators**:

- Number of non-pregnant, non-breastfeeding adults ( $\geq 15$ ) active on ART
- Number of non-pregnant, non-breastfeeding persons active on ART who participate in  $\geq 1$  measured DSD model (GAAC, AF, CA, DT, FR, DC)
- Number of non-pregnant, non-breastfeeding adults active on ART whose next ART pick-up is scheduled for 83-97 days after the date of their last ART drug pick-up
- Number of non-pregnant, non-breastfeeding adults active on ART whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation
- Number of non-pregnant, non-breastfeeding adults ( $\geq 15$ ) active on ART that are participating in GAAC at the end of the month prior to month of results submission deadline
- Number of Adults and Children Not Eligible for DSD : this is to QA check, to see if Not Eligible patients are enrolled in any DSD model.

These indicators are reported from the OpenMRS EPTS system in use by the PEPFAR Clinical partners to capture patient level data in retrospective mode at the health facilities.

Some of these indicators are included in the report "Avaliacao de Retencao Precoce CDC". When they are added to the IM ER report, they will be removed from the "Avaliacao de Retencao Precoce CDC" report in EPTS.

## I.b Scope and Key Assumptions

This document defines the functional and technical requirements to generate the indicator in an OpenMRS Report.

The key Assumptions are:

All patients captured in the OpenMRS system are HIV positive.

All patients captured in the OpenMRS system have been on antiretroviral therapy (ART) at some time.

All transferred in patients are HIV positive and are on PRE-ART or ART.

One patient may be in more than one DSD and will only be counted once.

DSD is not documented currently in EPTS in the current tools, but is captured in the Ficha Mestra (Mastercard), which is in EPTS but hasn't been implemented in health facilities. Therefore, the algorithm for all DSD indicators will look at Master Card data fields first for information regarding DSD program enrollment and then look at the current tools.

## **I.c References**

National Guidelines for Stable Patients (Attached)

WHO clinical staging guidelines

[https://www.who.int/hiv/pub/guidelines/arv2013/annexes/WHO\\_CG\\_annex\\_1.pdf](https://www.who.int/hiv/pub/guidelines/arv2013/annexes/WHO_CG_annex_1.pdf)

MasterCard - Ficha Clínica

Ficha de Seguimiento

Ficha de Seguimiento in EPTS

EPTS Program enrollment in EPTS

FILA

## II. Indicator Definition

### II.a Description

**DSD Indicators** report the number and percentage of adults and children active on ART eligible (denominator) and enrolled (numerator) in the following DSD models:

1. GAAC
2. AF (Abordagem Familiar - Family Planning)
3. CA (Clubes de Adesão – Adherence Clubs)
4. PU (Paragem Única)
5. FR (Fluxo Rápido)
6. DT (Dispensa Trimestral - 3MDD)
7. DC (Dispensa Comunitária)

### II.b Denominator and Numerator

The DSD Indicators Denominators are the following:

- D1: Number of active patients on ART Eligible for DSD (Stable)
- D2: Number of active patients on ART Not Eligible for DSD (Unstable)

The DSD Indicators Numerators are the following:

- N1: Number of active patients on ART who participate in  $\geq 1$  measured DSD model (GAAC, AF, CA, DT, FR, DC)
- N2: Number of active on ART whose next ART pick-up is schedule for 83-97 days after the date of their last ART drug pick-up
- N3: Number of active patients on ART whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation
- N4: Number of active patients on ART that are participating in GAAC at the end of the month prior to month of results submission deadline.
- N5: Number of Adult and Children Not Eligible for DSD

### II.d DSD Hierarchy

A patient can be enrolled in more than one DSD program with the exception of GAAC. For the DSD report a patient will only be associated with one program, therefore a hierarchy has been defined to determine which program to associate a patient enrolled in more than one.

The hierarchy is below. For example, if a patient is enrolled in AF and DC, they will be categorized in AF, as AF is at the top of the hierarchy.

1. GAAC
2. AF (Abordagem Familiar - Family Planning)
3. CA (Clubes de Adesão – Adherence Clubs)

4. PU (Paragem Única)
5. FR (Fluxo Rápido)
6. DT (Dispensa Trimestral - 3MDD)
7. DC (Dispensa Comunitária)

## II.c Indicator Reporting Level and Frequency

Not applicable

## II.d Indicator Primary Sources

The DSD indicators are generated from information captured in the following forms in EPTS:

- Ficha Mestra
- Facility ART registers:
  - Ficha de Seguimento de Adulto
  - Ficha de Seguimento Pediátrico
- FILA (Pharmacy)

## II.e Population

**DSD** Indicators population **includes:**

- D1: Number of adults and children currently receiving antiretroviral therapy (ART) (**TX-CURR**) and who are considered Stable according to below defined criteria (Table1)
- D2: Number of adults and children currently receiving antiretroviral therapy (ART) (**TX-CURR**) and Unstable (except stable)

*Table 1 Patient Clinical State Stable Criteria*

Patient Clinical State	Age	Viral Load (if Available)	If Viral Load Not Available
Stable	<2 years	Not recommended	
	2 – 4 years	<ul style="list-style-type: none"> <li>● On ART for at least 12 months</li> <li>● One VL&lt; 1000 copies/ml in last ART year</li> <li>● No active clinical condition of WHO stage III or IV</li> <li>● No suggestive factors of poor adherence (last 3 drugs pick up or regular clinical visits)</li> </ul>	<ul style="list-style-type: none"> <li>● On ART for at least 12 months</li> <li>● CD4 result &gt; 750 cels/mm<sup>3</sup> or &gt; 15% in in last ART year</li> <li>● No suggestive factors of poor adherence (last 3 drugs pick up or regular clinical visits)</li> <li>● No adverse reactions to medications that require regular monitoring</li> </ul>



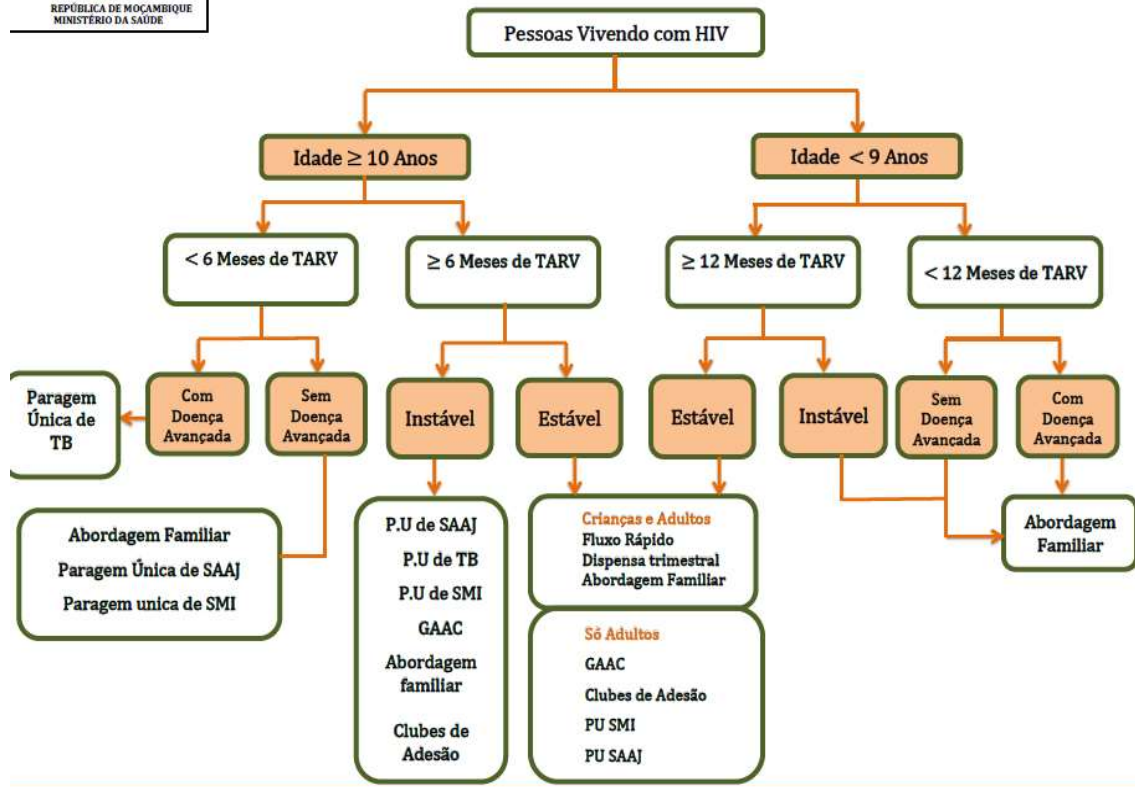
	5 – 9 years	<ul style="list-style-type: none"> <li>No adverse reactions to medications that require regular monitoring</li> </ul>	<ul style="list-style-type: none"> <li>On ART for at least 12 months</li> <li>CD4 result &gt; 200 cels/mm<sup>3</sup> in last ART year</li> <li>No suggestive factors of poor adherence (last 3 drugs pick up or regular clinical visits)</li> <li>No adverse reactions to medications that require regular monitoring</li> </ul>
	>= 10 years	<ul style="list-style-type: none"> <li>On ART for at least 6 months</li> <li>One VL &lt; 1000 copies/ml in last ART year</li> <li>No active clinical condition of WHO stage III or IV</li> <li>No suggestive factors of poor adherence (last 3 drugs pick up or regular clinical visits)</li> <li>No adverse reactions to medications that require regular monitoring</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

According to the patient age and clinical state (stability) he/she might be enrolled in one or more measured **DSD model**, as described below in Figure 1:

1. GAAC
2. AF (Abordagem Familiar - Family Planning)
3. CA (Clubes de Adesão – Adherence Clubs)
4. PU (Paragem Única)
5. FR (Fluxo Rápido)
6. DT (Dispensa Trimestral - 3MDD)
7. DC (Dispensa Comunitária)



ALGORITMO DE CLASSIFICAÇÃO DE PVHIV PARA INCLUSÃO NOS MODELOS DIFERENCIADOS DE CUIDADOS



Os pacientes Instáveis e com Doença Avançada devem receber o pacote de serviços para pacientes com doença avançada

Crianças HIV positivas com menos de 2 anos não são avaliadas para os MDCs, no entanto, podem ser colocadas na Abordagem Familiar

## II.f Disaggregation

The **DSD Indicators** should be reported by the following disaggregation's:

- **D1: Number of active patients on ART Eligible for DSD (Stable):**
  - Total
  - Non-pregnant and Non-Breastfeeding Adults (>=15)
  - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
- **D2: Number of active patients on ART Not Eligible for DSD (Unstable)**
  - Total
  - Non-pregnant and Non-Breastfeeding Adults (>=15)
  - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
  - Breastfeeding (exclude pregnant)
  - Pregnant (include breastfeeding)
- **N1: Number of active patients on ART who participate in >=1 measured DSD model (GAAC, AF, CA, DT, FR, DC, PU)**

- Total
  - Stable:
    - Subtotal
    - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
    - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
  - Unstable:
    - Subtotal
    - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
    - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
    - Breastfeeding (exclude pregnant)
    - Pregnant (include breastfeeding)
- **N2: Number of active on ART whose next ART pick-up is schedule for 83-97 days after the date of their last ART drug pick-up**
    - Total
    - Stable:
      - Subtotal
      - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
      - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
    - Unstable:
      - Subtotal
      - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
      - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
      - Breastfeeding (exclude pregnant)
      - Pregnant (include breastfeeding)
  - **N3: Number of active patients on ART whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation**
    - Total
    - Stable:
      - Subtotal
      - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
      - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
    - Unstable:
      - Subtotal
      - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
      - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
      - Breastfeeding (exclude pregnant)
      - Pregnant (include breastfeeding)
  - **N4: Number of active patients on ART that are participating in GAAC at the end of the month prior to month of results submission deadline.**
    - Total

- Stable:
  - Subtotal
  - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
  - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
- Unstable:
  - Subtotal
  - Non-pregnant and Non-Breastfeeding Adults ( $\geq 15$ )
  - Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)
  - Breastfeeding (exclude pregnant)
  - Pregnant (include breastfeeding)

## II.h Report Output

The report output for DSD indicators can be found as attachment

## III. Requirements Definition

### III.a Key Assumptions

The key assumptions for **DSD Indicators** and related to EPTS OpenMRS are the following:

1. All patients captured in the OpenMRS system are HIV positive.
2. All patients captured in the OpenMRS system have initiated antiretroviral therapy (ART) at some time.
3. The primary sources for **DSD** are “Ficha Mestra” (Annex 0) “FILA” ([Annex 1](#)), “Ficha de Seguimento do Adulto” ([Annex 2](#)), “Ficha de Seguimento de Pediatria” ([Annex 3](#)).
4. Active patients on ART criteria follow the same as TX-Curr criteria.
5. DSD Indicators will be added in already existing report “IM-ER Report”
6. DSD Indicators Numerator are mutually exclusive according to the following criteria:  
<TO BE ADDED THE TABLE WITH MODELS PRIORIZATION – CDC to PROVIDE THIS INFORMATION>

FGH proposal:

1. GAAC: using the existing GAAC forms in OPENMRS to categorize patients
2. DT: to all patients whose next ART pick-up is schedule for 83-97 days after the date of their last ART drug pick-up and as NOT enrolled in GAAC
3. FR: to all patients whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation and cannot be classified as DT or GAAC

## IV.b List of Functional Requirements

Requirement #	Category/ Functional Area	Requirement
DSD_FR1	Reports	The system will generate the DSD indicators report for selected reporting period (start and end date) and specific location (health facility) with Denominator and Numerator.
DSD_FR2	Indicator denominator	The system will generate following <b>DSD denominators:</b> <ul style="list-style-type: none"> <li>● <b>D1: Number of active patients on ART Eligible for DSD (Stable)</b></li> <li>● <b>D2: Number of active patients on ART Not Eligible for DSD (UnStable)</b></li> </ul>
DSD_FR3	Indicator denominator-D1	The system will generate “ <b>D1: Number of active patients on ART Eligible for DSD (Stable)</b> ” as following: <ul style="list-style-type: none"> <li>● All patients (&gt;=2 years) currently receiving antiretroviral therapy and who are considered stable according to Table 1 Criteria: <ul style="list-style-type: none"> <li>○ On ART for at least 12 months (if patients age &gt;=2 and &lt;=9) <b>or</b> at least 6 months (if patients age &gt;=10) <b>and</b></li> <li>○ One VL&lt; 1000 copies/ml in last ART year (only if VL exists) <b>and</b></li> <li>○ Only if VL does not exist: <ul style="list-style-type: none"> <li>▪ CD4 result &gt; 750 cels/mm3 or &gt; 15% in last ART year (if patients age &gt;=2 and &lt;=4)</li> <li>▪ CD4 result &gt; 200 cels/mm3 in last ART year (if patients age &gt;=5 and &lt;=9)</li> </ul> </li> <li>○ No active clinical condition of WHO stage III or IV <b>and</b></li> <li>○ No suggestive factors of poor adherence (last 3 drugs pick up or regular clinical visits) <b>and</b></li> <li>○ No adverse reactions to medications that require regular monitoring</li> </ul> </li> </ul>
DSD_FR4	Indicator denominator-D2	The system will generate “ <b>D2: Number of active patients on ART Not Eligible for DSD (UnStable)</b> ” as following: <ul style="list-style-type: none"> <li>● All patients (&gt;=2 years) currently receiving antiretroviral therapy except the stables (DSD_FR3)</li> </ul>
DSD_FR5	Indicator numerator	The system will generate following <b>DSD numerators:</b> <ul style="list-style-type: none"> <li>● N1: Number of active patients on ART who participate in &gt;=1 measured DSD model (GAAC, AF, CA, DT, FR, DC, PU)</li> <li>● N2: Number of active on ART whose next ART pick-up is schedule for 83-97 days after the date of their last ART drug pick-up</li> <li>● N3: Number of active patients on ART whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation</li> <li>● N4: Number of active patients on ART that are participating in GAAC at the end of the month prior to month of results submission deadline.</li> </ul>

<p><b>DSD_FR6</b></p>	<p>Indicator Disaggregation- Denominator</p>	<p>The system will generate the <b>DSD denominator</b> with the following disaggregation:</p> <ul style="list-style-type: none"> <li>• <b>D1: Number of active patients on ART Eligible for DSD (Stable):</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>○ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> </ul> </li> <li>• <b>D2: Number of active patients on ART Not Eligible for DSD (Unstable)</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>○ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>○ Breastfeeding (exclude pregnant)</li> <li>○ Pregnant (include breastfeeding)</li> </ul> </li> </ul>
<p><b>DSD_FR7</b></p>	<p>Indicator Disaggregation- Numerator</p>	<p>The system will generate the <b>DSD denominator</b> with the following disaggregation:</p> <ul style="list-style-type: none"> <li>• <b>N1: Number of active patients on ART who participate in &gt;=1 measured DSD model (GAAC, AF, CA, DT, FR, DC, PU)</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Stable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> </ul> </li> <li>○ Unstable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪ Breastfeeding (exclude pregnant)</li> <li>▪ Pregnant (include breastfeeding)</li> </ul> </li> </ul> </li> <li>• <b>N2: Number of active on ART whose next ART pick-up is schedule for 83-97 days after the date of their last ART drug pick-up</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Stable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪</li> </ul> </li> <li>○ Unstable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪ Breastfeeding (exclude pregnant)</li> <li>▪ Pregnant (include breastfeeding)</li> </ul> </li> </ul> </li> <li>• <b>N3: Number of active patients on ART whose next clinical consultation is scheduled 175-190 days after the date of the last clinical consultation</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Stable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> </ul> </li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>○ Unstable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪ Breastfeeding (exclude pregnant)</li> <li>▪ Pregnant (include breastfeeding)</li> </ul> </li> <li>• <b>N4: Number of active patients on ART that are participating in GAAC at the end of the month prior to month of results submission deadline.</b> <ul style="list-style-type: none"> <li>○ Total</li> <li>○ Stable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪ 14)</li> </ul> </li> <li>○ Unstable: <ul style="list-style-type: none"> <li>▪ Subtotal</li> <li>▪ Non-pregnant and Non-Breastfeeding Adults (&gt;=15)</li> <li>▪ Non-pregnant and Non-Breastfeeding Children (2-4, 5-9, 10-14)</li> <li>▪ Breastfeeding (exclude pregnant)</li> <li>▪ Pregnant (include breastfeeding)</li> </ul> </li> </ul> </li> </ul>
<b>DSD_FR12</b>	Patients disaggregation – pregnant	<p>The system will identify women patients who are <b>pregnant</b> as following:</p> <ul style="list-style-type: none"> <li>• Patients marked as “PREGNANT” in the initial consultation or follow-up consultation during the period range or</li> <li>• Patients who have “Number of weeks Pregnant” registered in the initial or follow-up consultation during the period range or</li> <li>• Patients who have “Pregnancy Due Date” registered in the initial or follow-up consultation during period range or</li> <li>• Patients enrolled on PTV/ETC program during the period range.</li> <li>• Period range: <ul style="list-style-type: none"> <li>○ start_date = reporting period start date</li> <li>○ end_date = reporting period end date</li> </ul> </li> </ul>
<b>DSD_FR13</b>	Patients disaggregation - breastfeeding	<p>The system will identify women patients who are <b>breastfeeding</b> as following:</p> <p>All patients that are female and</p> <ul style="list-style-type: none"> <li>• Patients who have the “Delivery date” registered in the initial or follow-up consultations and where the delivery date is between the period range or</li> <li>• Patients who started ART for being breastfeeding as specified in “CRITÉRIO PARA INÍCIO DE TRATAMENTO ARV” in the initial or follow-up</li> </ul>

		<p>consultations that occurred between period range or</p> <ul style="list-style-type: none"> <li>● Patients who have been registered as breastfeeding in follow up consultation during the period range.</li> <li>● Patients enrolled on PTV/ETC program with state 27 (gave birth) during the period range.</li>   <li>● Excluding patients that are pregnant</li>   <li>● Period range: <ul style="list-style-type: none"> <li>○ start_date = reporting period start date</li> <li>○ end_date = reporting period end date</li> </ul> </li> </ul>
<b>DSD_FR14</b>	Reporting Period	The user will enter as input parameters the “reporting start date” and “reporting end date”.



## VI. ANNEXES

### Who clinical guidelines staging

EPTS does not capture opportunistic infections with the exception of Karposi Sarcoma and TB.

#### WHO Stages

The WHO clinical guidelines are captured in the Ficha de Seguimento where the clinician can indicate if the patient has met Stage 1 – 4 during a consultation. This is located in the Field / Row called “Estadio Da OMS (I,II, III, IV).”

#### Kaposi Sarcoma

The Ficha de Seguimento contains a field called “Other Conditions” / “Outros Diagnosticos”.

In EPTS the user can select Karposi’s Sarcoma as an “Outros Diagnosticos”

RPR	<input type="radio"/> Positivo <input type="radio"/> Negativo
<b>ESTADIO OMS</b>	Último Estadio [ESTADIO III OMS] <input type="text" value="v"/>
Outros diagnósticos	<input type="checkbox"/> Malária <input type="checkbox"/> Anemia <input type="checkbox"/> Malnutrição <input type="checkbox"/> Leucemia <input type="checkbox"/> Encefalopatia <input type="checkbox"/> Otite <input type="checkbox"/> Febre <input type="checkbox"/> Sarcoma de Kaposi <input type="checkbox"/> Diarreia <input type="checkbox"/> Falência Terapeutica <input type="text" value="v"/>
<b>Infeções Oportunistas</b>	
Rastreio de ITS(Tem sintomas sugestivas de ITS)?	<input type="radio"/> Sim <input type="radio"/> Não
Rastreio de TB(Tem sintomas sugestivas de TB)?	<input type="radio"/> Sim <input type="radio"/> Não
Resultado para a Investigação para TB de BK e/ou RX?	<input type="radio"/> Positivo <input type="radio"/> Negativo
Tratamento de TB (Veja Cartão de TB): Data Inicio: <input type="text"/> Data Fim: <input type="text"/>	<input type="radio"/> Sim <input type="radio"/> Não
Profilaxia com Cotrimoxazol - TPC: Data Inicio: <input type="text"/> Data Fim: <input type="text"/>	<input type="radio"/> Sim <input type="radio"/> Não
Profilaxia com INH - TPI: Data Inicio: <input type="text"/> Data Fim: <input type="text"/>	<input type="radio"/> Sim <input type="radio"/> Não
<b>Aconselhado para Adesão aos Cuidados:</b>	<input type="radio"/> Sim <input type="radio"/> Não

Ficha de Seguimento:

ESTADIO DA OMS (I, II, III, IV)									
Outros Diagnósticos									
Oportunista	Rastreio de ITS (Tem sintomas sugestivos para ITS)?	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N
	Rastreio de TB (Tem sintomas sugestivos para TB)?	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N
	Resultado da Investigação para TB de BK e/ou RX? (POS/NEG)	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG	<input type="checkbox"/> POS <input type="checkbox"/> NEG
	Tratamento de TB (veja Cartão de TB) Data de Início: _____ Data de Fim: _____	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N	<input type="checkbox"/> S <input type="checkbox"/> N

**TB**

TB information is captured in the Ficha De Seguimento. If a patient is diagnosed with TB the patient will be receiving treatment for TB indicated by the Tratamento de TB having a value of S / Yes and the Date of Treatment being populated during the reporting period

Or the patient can be enrolled in the TB program under the visio geral screen in EPTS where the date of admission is within the reporting period

visão geral					
Acções do paciente					
<b>Programas</b>					
Programa	Data de Admissão	Local	Data de Saída	Estado	
<i>(Concluído)</i> <a href="#">SERVICO TARV - CUIDADO</a>	13/Set/2018	ZK	13/Set/2018	PRE-TARV: <b>INICIAR</b> (Desde 13/Set/2018)	
<a href="#">SERVICO TARV - TRATAMENTO</a>	13/Set/2018	ZK	Ainda está no programa	TARV: <b>ACTIVO NO PROGRAMA</b> (Desde 13/Set/2018) [Editar]	
<a href="#">TUBERCULOSE</a>	1/Mai/2019	AngulaJS	Ainda está no programa	ESTADO TB: <b>ACTIVO NO PROGRAMA</b> (Desde 1/Mai/2019) [Editar]	
<a href="#">Adicionar novo programa</a>					

**Clinical stage 3 Adults**

- Unexplained severe weight loss (>10% of presumed or measured body weight)
- Unexplained chronic diarrhoea for longer than 1 month
- Unexplained persistent fever (intermittent or constant for longer than 1 month)
- Persistent oral candidiasis
- Oral hairy leukoplakia
- Pulmonary tuberculosis**
- Severe bacterial infections (such as pneumonia, empyema, pyomyositis, bone or joint infection, meningitis, bacteraemia)
- Acute necrotizing ulcerative stomatitis, gingivitis or periodontitis

Unexplained anaemia (<8 g/dl),  
neutropaenia (<0.5 x 10<sup>9</sup>/l) and/or chronic  
thrombocytopaenia (<50 x 10<sup>9</sup>/l)

### **Clinical Stage 3 Children**

Unexplained moderate malnutrition, not adequately  
responding to standard therapy  
Unexplained persistent diarrhoea (14 days or more)  
Unexplained persistent fever (above 37.5°C, intermittent  
or constant, for longer than one 1 month)  
Persistent oral candidiasis (after first 6 weeks of life)  
Oral hairy leukoplakia  
Lymph node tuberculosis  
Pulmonary tuberculosis  
Severe recurrent bacterial pneumonia  
Acute necrotizing ulcerative gingivitis or  
periodontitis  
Unexplained anaemia (<8 g/dl), neutropaenia  
(<0.5 x 10<sup>9</sup>/l) or chronic thrombocytopaenia  
(<50 x 10<sup>9</sup>/l)

### **Clinical Stage 4 Adult**

HIV wasting syndrome  
Pneumocystis (jirovecii ) pneumonia  
Recurrent severe bacterial pneumonia  
Chronic herpes simplex infection (orolabial,  
genital or anorectal of more than 1 month's  
duration or visceral at any site)  
Oesophageal candidiasis (or candidiasis of  
trachea, bronchi or lungs)  
Extrapulmonary tuberculosis  
Kaposi sarcoma  
Cytomegalovirus infection (retinitis or  
infection of other organs)  
Central nervous system toxoplasmosis  
HIV encephalopathy  
Extrapulmonary cryptococcosis, including  
meningitis  
Disseminated nontuberculous mycobacterial  
infection  
Progressive multifocal leukoencephalopathy  
Chronic cryptosporidiosis  
Chronic isosporiasis  
Disseminated mycosis (extrapulmonary  
histoplasmosis, coccidioidomycosis)  
Lymphoma (cerebral or B-cell non-Hodgkin)  
Symptomatic HIV-associated nephropathy or  
cardiomyopathy  
Recurrent septicaemia (including  
nontyphoidal Salmonella)  
Invasive cervical carcinoma  
Atypical disseminated leishmaniasis

### **Clinical Stage 4, Children**

Unexplained severe wasting, stunting or severe malnutrition, not responding to standard therapy  
Pneumocystis (jirovecii ) pneumonia  
Recurrent severe bacterial infections (such as empyema, pyomyositis, bone or joint infection, meningitis, but excluding pneumonia)  
Chronic herpes simplex infection (orolabial or cutaneous of more than 1 month's duration or visceral at any site)  
Oesophageal candidiasis (or candidiasis of trachea, bronchi or lungs)  
Extrapulmonary tuberculosis  
**Kaposi sarcoma**  
Cytomegalovirus infection (retinitis or infection of other organs with onset at age more than 1 month)  
Central nervous system toxoplasmosis (after the neonatal period)  
HIV encephalopathy  
Extrapulmonary cryptococcosis, including meningitis  
Disseminated nontuberculous mycobacterial infection  
Progressive multifocal leukoencephalopathy  
Chronic cryptosporidiosis (with diarrhoea)  
Chronic isosporiasis  
Disseminated endemic mycosis (extrapulmonary histoplasmosis, coccidioidomycosis, penicilliosis)  
Cerebral or B-cell non-Hodgkin Lymphoma  
HIV-associated nephropathy or cardiomyopathy