EPTS OpenMRS

Reports Requirements
Indicator Specification Document
Early Retention Monitoring – 2 months (33 days) Indicator

Version 1.1

Version

Date	Version	Description	Author(s)
January 29, 2019	1.0	Initial creation of document	Pinki Meggi
January 30, 2019	1.1	Updated based on CDC Comments and review	Pinki Meggi
January 31, 2019	1.2	Updated based on FGH Comments and 1pm meeting outcomes with PEPFAR team and FGH	Pinki Meggi
January 31, 2019	1.3	Updated based on FGH Comments and review	Pinki Meggi

Approvals and Sign-off

Approvals Panel

Version	Approver	Approved by	Date
1.2	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 – ERI-2months
Year: 2019

Authors Signature

Version	Authors	Approved by	Date
1.2	FGH		
	Jembi HS		

Authors

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 **Early Retention Monitoring (ERM) (one month retention)** Indicator. This indicator is reported from the EPTS OpenMRS system in use by the PEPFAR Clinical partners to capture patient level data in retrospective mode at the health facilities.

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 ART.

I.c References

Not defined.

II. Indicator Definition

II.a Description

IM_ER2 (one month retention) indicator reports the number and percentage of adults and children newly enrolled on antiretroviral therapy (ART) 2 months prior to the reporting end date who returned for 2nd Clinical consultation or 2nd ART pick up within 33 days of treatment initiation.

II.b Numerator and Denominator

IM_ER2 (one-month retention) **denominator** is the number of patients newly initiating ART 2 months prior to the reporting end date (one month cohort enrollment period). For example, for the reporting period of February (end date is February 22nd, 2019, the one-month cohort enrollment period includes patients who initiated ART from December 21st, 2018 to January 20th 2019.

1 mo retention on ART		
Cohort enrollment period		
Cohort enrollment start date (DD/MM/AAAA)	**Cohort enrollment end date (DD/MM/AAAA)**	**Reporting Period end date (DD/MM/AAAA)**
21/12/2018	20/01/2019	22/02/2019

IM_ER2 (one-month retention) **numerator** is the number of patients newly initiating ART 2 months prior to the reporting end date who returned for 2nd clinical consultation or 2nd ART pick up within 33 days of treatment initiation.

II.c Indicator Reporting Level and Frequency

Not applicable

II.d Indicator Primary Sources

The IM_ER2 indicator should be collected from:

- Facility ART registers/databases
- Program monitoring tools
- Drug supply management systems (Pharmacy)

II.e Population

IM_ER2 **denominator** population **includes:**

- Patients (adults and children) who initiated treatment (newly enrolled in ART) 2 months prior to the reporting end date.

IM_ER2 **numerator** population **includes:**

- Patients (adults and children) who initiated treatment (newly enrolled in ART) 2 months prior to the reporting end date who returned for 2nd clinical consultation or 2nd ART pick up within 33 days of treatment initiation.

IM_ER2 **denominator and numerator** population **excludes**:

- Patients known to transfer in from another facility;

II.f Disaggregation

The IM_ER2 Indicator should be reported by the following disaggregation's:

- First Level: All Patients, Pregnant Women, Breastfeeding Women, Children (0-14, excluding pregnant and breastfeeding women), Adults (14+, excluding pregnant and breastfeeding women).

- Second Level (for all first level population):
    - Initiated ART: patients who initiated treatment excluding transferred-in patients.

    - Alive & not Transferred out and Did not have consultation or pick up drugs 2x: patients who initiated ART but who did not have the second consultation or drugs pick up and who are not dead or transferred out patient.

    - Alive & not Transferred out and Had consultation or Picked up drugs 2x: patients who initiated ART but who had the second consultation or drugs pick up who are not dead or transferred out patient.

    - Dead: patients who initiated ART and are registered as "dead" during the reporting period.

    - Transferred out: patients who initiated ART and are registered as "transferred-out" during the reporting period.

    - Stopped treatment: patients who initiated ART and are registered as "stopped/suspended" during the reporting period.

    - % Retention (Alive & not Transferred out and Had consultation or Picked up drugs 2x **/** Initiated ART **minus** Transferred Out): calculated field based on "IIg. Formula".

- Note: age is defined as the age of the patient at the date of initiation on ART, not the age at the date of reporting.

II.g How to calculate Retention

The formula to calculate one-month retention is the following:

NUMERATOR / (DENOMINATOR minus Transferred-out)

- NUMERATOR = Alive & Not Transferred Out and Had consultation or Picked up drugs 2x: patients who initiated ART but who had the second consultation or drugs pick up who are not dead, or transferred out patient.
- DENOMINATOR = Initiated ART: patients who initiated treatment excluding transferred-in patients.
- Transferred-out: patients who Initiated ART and are registered as "transferred-out" during the reporting period.

II.h Report Output

The report output for IM_ER2 (one-month retention) indicator can be found as attachment

III. Requirements Definition

III.a Key Assumptions

The key assumptions for **IM_ER2 (one-month retention)** indicator 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. All patients captured in the OpenMRS doesn't include the PEP (Post exposure prophylaxis) patients.
4. The primary sources for **ERM-2months** are "FILA" (Annex 1), "Ficha de Seguimento do Adulto"(Annex 2), "Ficha de Seguimento de Pediatria (Annex 3).
5. The patients in ART program are enrolled in SERVICO TARV-TRATAMENTO;
6. All patients must be officially enrolled on ART Service at end of reporting period on specified health facility. (officially enrolment mean 1) have "Processo Clinico Parte A" registered in health facility or 2) has been enrolled in "SERVICO TARV – CUIDADO" program in health facility or
   3) has been enrolled in "SERVICO TARV – TRATAMENTO" as "Transferred in" in health facility, TO BE EXCLUDED.

IV.b List of Functional Requirements

Requirement #	Category/ Functional Area	Requirement
ERM2M_FR 1	Reports	The system will generate the IM_ER2 (one month retention) indicator report for selected reporting period (start and end date) and specific location (health facility) with Denominator and Numerator.
ERM2M_FR 2	Indicator denominator	The system will generate IM_ER2 indicator **denominator** as number of patients (adult and children) newly enrolled on ART 2 months prior the reporting period end date with the specified disaggregation. The patients included are the patients who initiated the treatment 2 months prior the reporting period end date (one-month enrollment cohort) The system will **exclude** the following patients: ● Patients who were transferred in from another facility;
ERM2M_FR 3	Indicator numerator	The system will generate IM_ER2 indicator **numerator** as number of patients (adult and children) newly enrolled on ART 2 months prior the reporting period end date who returned for 2nd Consultation or 2nd drugs pick up with the specified disaggregation. The patients included are the patients who initiated ART 2 months' prior the reporting period end date and who returned for 2nd Consultation or 2nd drugs pick up. The system will **exclude** the following patients: ● Patients who were transferred in from another facility ● Patients who are transferred out by the end of the reporting period ● Patients who are dead by the end of the reporting period
ERM2M_FR 4	Indicator Disaggregation-Denominator	The system will generate the IM_ER2 indicator **denominator** with the following disaggregation: ● First Level Population Disaggregation: ○ All patients, ○ Pregnant Women ○ Breastfeeding Women ○ Children (0-14, excluding pregnant and breastfeeding women) ○ Adults (14+, excluding pregnant and breastfeeding women) ● Second Level Disaggregation for each First Level Population: ○ Initiated ART: denominator (**ERM2M_FR2)** ○ Alive & not Transferred-out and Did not have consultation or pick up drugs 2x: patients who initiated

		ART but who did not have the second consultation or drugs pick up and who are not dead or transferred out during the reporting period. ○ Alive & not Transferred-out and Had consultation or Picked up drugs 2x: patients who initiated ART and returned for 2nd Consultation or drugs pick up (Numerator) who are not dead or transferred out patients during the reporting period. Numerator (**ERM2M_FR2)** ○ Dead: patients who Initiated ART and are registered as "dead" during the reporting period. ○ Transferred out: patients who Initiated ART and are registered as "transferred-out" during the reporting period. ○ Stopped treatment: patients who Initiated ART and are registered as "stopped/suspended" during the reporting period. ○ % Retention (Alive & not Transferred-out and Had consultation or Picked up drugs 2x / Initiated ART minus Transferred Out): calculated field based on the following formula: Numerator (Alive & not Transferred-out and Had consultation or Picked up drugs 2x) / Denominator (Initiated ART) minus Transferred-out)
ERM2M_FR 5	Indicator Disaggregation-numerator	The system will generate the IM_ER2 indicator **numerator** with the following disaggregation: ● First Level Population Disaggregation: ○ All patients, ○ Pregnant Women ○ Breastfeeding Women ○ Children (0-14, excluding pregnant and breastfeeding women) ○ Adults (14+, excluding pregnant and breastfeeding women)
ERM2M_FR 6	Patient who initiated treatment	The system will identify patients who **initiated the treatment** as following: o All patients who have their first drugs pick up date set in Pharmacy form (*FILA*) during the reporting period. o All patients who have initiated the drugs (ARV PLAN = START DRUGS) during the pharmacy or clinical visits during the reporting period o All patients who has the first historical start drugs date set during the reporting period in Pharmacy Tool (FILA) or Clinical tools (*Ficha de Seguimento Adulto and Ficha de Seguimento Pediatria*).

		o All patients enrolled in ART Program during the reporting period; o Ensure that the ART start date is truly the first occurrence in the reporting period. This is to guard against situations of patients that for some reason have more than one ART start date registered in the system
ERM2M_FR 7	Patients who are Alive & not Transferred-out and Did not have consultation or pick up drugs 2x	The system will identify patients who are Alive & not Transferred-out and Did not have consultation or pick up drugs 2x: o treatment and do not have a follow up consultation (Ficha de Seguimento Adulto and Ficha de Seguimento Pediatria) or first drug pick up (FILA) have a second follow up consultation or second drug pick up during the following period: o ART initiation date o ART Initiation date + 33 days The system will **exclude** the following patients: o Patients that have a second pick-up or consultation within 33 days after ART initiation o Patients who are dead by the end of the reporting period o Patients that are transferred out by the end of the reporting period
ERM2M_FR 8	Patient disaggregation-Dead	The system will identify patients who are **dead** as following: • All patients who are enrolled in Program (Servico TARV-TRATAMENTO) and have patient state = *Died* and patient Died state start date is before the reporting end date.
ERM2M_FR 9	Patient disaggregation- Stopped/ Suspended treatment	The system will identify patients who are **suspended/stopped** treatment as following: • All patients who are enrolled in Program (Servico TARV-TRATAMENTO) and have patient state = *Stopped/suspended the treatment* and patient Died state start date is before the reporting end date.
ERM2M_FR 10	Patient disaggregation-transferred-out	The system will identify patients who were transferred out to another health faclity as following: • All patients who are enrolled in Program (Servico TARV-TRATAMENTO) and have patient state = *Transferred out to another health facility* and patient Died state start date is before the reporting end date.
ERM2M_FR 11	Patients who have been transferred in – **to be excluded**	The system will identify patients who **have been transferred in** as following: • All patients who are enrolled in ARV Program (*Serviço TARV- Tratamento*) and have as state of patient "*Transfer From other facility"* in the patient chart.
ERM2M_FR 12	Patients disaggregation – pregnant	The system will identify women patients who are **pregnant** as following: ● Patients that are female and were marked as "PREGNANT" in the initial consultation or follow-up consultation between

		start and end dates or ● Patients that are female and have “Number of weeks Pregnant” registered in the initial or follow-up consultation between start and end dates or ● Patients that are female and have “Pregnancy Due Date” registered in the initial or follow-up consultation between start and end dates or ● Patients that are female and enrolled on PTV/ETC program between start date and end date.
ERM2M_FR 13	Patients disaggregation - breastfeeding	The system will identify women patients who are **breastfeeding** as following: All patients that are female and ● have the “Delivery date” registered in the initial or follow-up consultations and where the delivery date is between reporting start and end dates. ● have started ART for being breastfeeding as specified in “CRITÉRIO PARA INÍCIO DE TARV” in the initial or follow-up consultations that occurred between reporting start and end dates. ● have registered as breastfeeding in follow up consultation between reporting start and end dates. ● Excluding patients that are pregnant
ERM2M_FR 14	Patients Disaggregation- Children and Adults	The system will identify patients age for children and adult’s disaggregation as following: ● Patients with birth date information registered in the system should be calculated the age of the patient at the date of initiation on ART (birth date minus ART initiation date). ● Children will be considered as 0 to 14 years old, excluding pregnant and breastfeeding women. ● Adults will be considered as more than 15 years old, excluding pregnant and breastfeeding women.
ERM2M_FR 15	Reporting Period	The user will enter as input parameters the “reporting start date” and “reporting end date”. The **“reporting start date”** will be redefined as 2 months prior plus 1 day of reporting end date (end date – 2 months + 1 day). The **“reporting end date”** will be redefined as 1 month prior of submitted reporting end date (end date – 1 month). For instance, if reporting period input parameters are Start Date = 21.12.2018 and End Date = 20.01.2019, the ART Initiation, Pregnant Registration and Breastfeeding Registration should be Start Date = 21.11.2018 and End Date = 20.12.2018.

IV. Testing Scenarios

Not defined.

V. Technical Specifications

V.a Pseudo-code

Not defined

V.b Data fields and elements

- Define the data element(s) used to determine the reporting range
  The reporting range dates will be specified by user before submitting the report request as “startDate”, “endDate”.

- Define the data element(s) used to determine if a patient is newly enrolled in ART

	Encounter Type	**Data Element(s)**	**Data Element Value**
Patients on ART who initiated the ARV DRUGS	S.TARV: ADULTO SEGUIMENTO (ID=6) S.TARV: PEDIATRIA SEGUIMENTO(ID=9) S.TARV: FARMACIA (ID=18)	ARV PLAN (OBS CONCEPT ID = 1255)	START DRUGS (OBS Value Code =1256)
		MINUMUM Encounter DATE (encounter. encounter_datetime)	>=startDate and <= endDate
Patients on ART who picked up drugs in first visit	S.TARV: ADULTO SEGUIMENTO (ID=6) S.TARV: PEDIATRIA SEGUIMENTO(ID=9) S.TARV: FARMACIA (ID=18)	MINIMUM HISTORICAL START DATE (OBS CONCEPT ID 1190)	>=startDate and <= endDate
Patients enrolled in ART Program	----	Patient PROGRAM (patient_program. program_id)	SERVICO TARV - TRATAMENTO (program_id =2)
		Program Enrolment Date (patient_program. Date_enrolled)	>=startDate and <= endDate
Patients with first drugs pick up date set in Pharmacy	S.TARV: FARMACIA (ID=18)	MINIMUM Encounter DATE (encounter. encounter_datetime)	>=startDate and <= endDate

- Define the data elements used to identify is a patient is breastfeeding

	Encounter Type	**Data Element(s)**	**Data Element Value**
Patients that are female and have the “Delivery date” (obs concept id 5599) registered in the initial or follow-up consultation where	S.TARV: ADULTO INITIAL CONSULTATION (ID=5) S.TARV: ADULTO SEGUIMENTO (ID=6)	Delivery Date (OBS CONCEPT ID = 5599)	Date (OBS value_time)>= startDate and <=endDate

delivery date is between start and end date.			
Patients that are female and have registered as breastfeeding in follow up consultation between start and end date (encounter datetime).	S.TARV: ADULTO SEGUIMENTO (ID=6)	BREASTFEEDING (CONCEPT ID 6332)	OBS Value Code =1065
		Encounter DATE (encounter. encounter_datetime)	>=startDate, <= endDate
Patients that are female and have started ART for being breastfeeding as specified in "CRITÉRIO PARA INICIO DE TRATAMENTO ARV" with response equal to "LACTACAO" in the initial or follow-up consultation between start & end date	S.TARV: ADULTO INITIAL CONSULTATIO (ID=5) S.TARV: ADULTO SEGUIMENTO (ID=6)	"CRITÉRIO PARA INICIO DE TRATAMENTO ARV" (OBS CONCEPT ID = 6334)	LACTACAO (OBS Value Code = 6332)
		Encounter DATE (encounter. encounter_datetime)	>=startDate, <= endDate
Patients enrolled in PTV(ETV) Program	----	Patient PROGRAM (patient_program. program_id)	PTV (program_id =8)
		Patient Program State Date (patient state id= 27 and start_date)	>=startDate and <= endDate

- Define the data elements used to identify if a patient is pregnant:

	Encounter Type	**Data Element(s)**	**Data Element Value**
Patients that are female and were marked as "PREGNANT" in the initial consultation or follow-up consultation.	S.TARV: ADULTO INITIAL CONSULTATIO (ID=5) S.TARV: ADULTO SEGUIMENTO (ID=6)	PREGNANT (OBS CONCEPT ID = 1982)	GESTATION (OBS Value Code =44)
		Encounter DATE (encounter. encounter_datetime)	>=startDate, <= endDate,
Patients that are female and have "Number of weeks Pregnant" registered in the initial or follow-up consultation between start and end date.	S.TARV: ADULTO INITIAL CONSULTATIO (ID=5) S.TARV: ADULTO SEGUIMENTO (ID=6)	Number of weeks Pregnant (OBS CONCEPT ID = 1279)	ANY
		Encounter DATE (encounter. encounter_datetime)	>=startDate, <= endDate,
Patients that are	S.TARV: ADULTO	Pregnancy Due Date	ANY

female and have "Pregnancy Due Date" registered in the initial or follow-up consultation between start and end date.	INITIAL CONSULTATIO (ID=5) S.TARV: ADULTO SEGUIMENTO (ID=6)	(OBS CONCEPT ID = 1600)	
		Encounter DATE (encounter. encounter_datetime)	>=startDate, <= endDate,
Patients that are female and enrolled on PTV/ETC program (patient program id =8) between start date and end date (patient program date_enrolled).	----	Patient PROGRAM (patient_program. program_id)	PTV/ETC Program (program_id =8)
		Program Enrolment Date (patient_program. Date_enrolled)	>=startDate, <= endDate

- Define the data elements used to identify if a patient has transferred in

	Encounter Type	**Data Element(s)**	**Data Element Value**
Patient on ART who was transferred in from other facility	S.TARV: ADULTO SEGUIMENTO (ID=6) S.TARV: PEDIATRIA SEGUIMENTO(ID=9) S.TARV: FARMACIA (ID=18)	ARV PLAN (OBS CONCEPT ID = 1255)	TRANSFERRED FROM OTHER FACILITY (OBS Value Code =29)
		Encounter DATE (encounter. encounter_datetime)	>= startDate and <= endDate
Patients enrolled in SERVICO TARV TRATAMENTO Program	----	Patient PROGRAM (patient_program. program_id)	SERVICO TARV TRATAMENTO (program_id =2)
		Patient Program State Date (patient state id= 29 and start_date)	>=startDate and <= endDate

- Define the data elements used to identify the patient's age: *patient.birthdate*

- Define the data elements used to identify if a patient is dead:
  - *Patient_program.program_id =2 = SERVICO TARV-TRATAMENTO*
  - *Patient_State.state = 10 = DIED*
  - *Patient_State.start_date <= endDate*
  - *Patient_state.end_date is null*

- Define the data elements used to identify if a patient has transferred out
  - *Patient_program.program_id =2 = SERVICO TARV-TRATAMENTO*
  - *Patient_State.state = 7 = Transferred out to another health facility*
  - *Patient_State.start_date <= endDate*

- *Patient_state.end_date is null*

- Define the data elements used to identify if a patient has been marked as "lost to follow up"
  - *Patient_program.program_id =2 = SERVICO TARV-TRATAMENTO*
  - *Patient_State.state = 9 = Abandoned the treatment*
  - *Patient_State.start_date <= endDate*
  - *Patient_state.end_date is null*

- Define the data elements used to identify if a patient has stopped the treatment
  - *Patient_program.program_id =2 = SERVICO TARV-TRATAMENTO*
  - *Patient_State.state = 8 = Stopped/suspended the treatment*
  - *Patient_State.start_date <= endDate*
  - *Patient_state.end_date is null*

- Define the data elements used to identify if a patient has reinitiated the treatment

	Encounter Type	**Data Element(s)**	**Data Element Value**
Patient on ART who has reinitiated the treatment	S.TARV: ADULTO SEGUIMENTO (ID=6) S.TARV: PEDIATRIA SEGUIMENTO(ID=9)	ARV PLAN (OBS CONCEPT ID = 1255)	RESTART (OBS Value Code =1705)
		Encounter DATE (encounter. encounter_datetime)	>= startDate and <= endDate

VI. ANNEXES

Annex 1- OpenMRS EPTS FILA

OpenMRS

Entrou no sistema como Bomber Budaa Spain | Sair do Sistema | Meu Perfil | Ajuda

Página Inicial | Procurar/Registar Paciente | Dicionário | Cohort Builder | Reporting | Administração

Discard changes | Print

Maria Carlos | FILA (S.TARV: FARMACIA) | (Unsaved Form)

REPÚBLICA DE MOÇAMBIQUE Serviço Nacional de Saúde	**Ficha Individual de Levantamento de ARVs (FILA)**	
	Nº do Livro TARV: Pag: Linha:	
	Nome:	Maria Carlos
	Contacto:	
NID: 01080805/17/00010	Endereço:	

Data de Levantamento:	
Provedor:	Enter.....
Unidade Sanitária:	Local Desconhecido
Medicamentos ARVs:	Ultimo Regime: *
Quantidade Aviada:	- Outra:
Dosagem:	- Outra:
Data do próximo Levantamento:	*
	Submeter

Annex 2- OpenMRS EPTS Adulto Seguimento

OpenMRS

Página Inicial | Procurar/Registar Paciente | Dicionário | Cohort Builder | Reporting | Administração

Maria Carlos | ADULTO: SEGUIMENTO (S.TARV: ADULTO SEGUIMENTO) | (Unsaved Form)

FICHA DE SEGUIMENTO PARA ADULTOS

REPÚBLICA DE MOÇAMBIQUE SERVIÇO NACIONAL DE SAÚDE Mod. SIS - H-10		Nome:Maria Carlos	
		Data de nascimento: 17/out/2018	Idade: 0- Sexo: F
NID: 01080805/17/00010	Nº do livro pré-TARV:	Página do livro pre-TARV:	Linha da Pág do pré-TARV:
	Nº do livro TARV:	Página do livro TARV:	Linha da Pág do TARV:

Data da Consulta	
Unidade Sanitária	Local Desconhecido
Médico	Enter.....
Altura: (cm)[Última Altura:] Peso(kg)	
Indice de Massa Corporal (IMC):(kg/m2)	
Classificação Nutricional:	
Apoio Nutricional (ANUT)	S N **Tipo:** CSB Plumpy Nut Papa Enriquecida Outro
Temperatura (ºC):	
Tensão Arterial (TA)	/
Gravidez: Nova: DUM DPP:	PTV TARV
Lactante:	Sim Não

LABORATÓRIO

Data de Processamento do CD4 (d-m-a)	
CD4 (/mm) / CD4 (%)	/
Carga Viral (CV)	
G. Brancos (GB)	
Neutrofilos (N) (/mm3 e %)	/
Linfócitos (L) (/mm3 e %)	/
Hemoglobina (HgB) (g/dl)	
Provas hepáticas - ALT / AST (U/L)	/
Glicémia (GL) (g/dl)	
Ureia (UR) (mg/dl) / Creatinina (CR) (mmol/L)	/
Amilase	
Teste de gravidez	Positivo Negativo
Plaquetas	
RPR	Positivo Negativo
ESTADIO OMS	Último Estadio []
Outros diagnósticos	Malária Anemia Malnutrição Leucemia Encefalopatia Otite Febre Sarcoma de Kaposi Diarreia Falência Terapeutica

Infecções Oportunistas

Rastreio de ITS(Tem sintomas sugestivas de ITS)?	Sim Não
Rastreio de TB(Tem sintomas sugestivas de TB)?	Sim Não
Resultado para a Investigação para TB de BK e/ou RX?	Positivo Negativo
Tratamento de TB (Veja Cartão de TB) Data Inicio: Data Fim:	Sim Não
Profilaxia com Cotrimoxazol - TPC Data Inicio: Data Fim:	Sim Não
Profilaxia com INH - TPI Data Inicio: Data Fim:	Sim Não
Aconselhado para Adesão aos Cuidados:	Sim Não

TARV:

Data de Elegibilidade para iniciar o TARV:	
Data de Inicio de TARV:	[15/dez/2018]
Critério de Elegibilidade para clínicio do TARV:	
Data de Reinicio de TARV:	
Médicamentos ARVs	Esquema ARV: Tipo: Interrompeu por: Mudança de regime:
Outros Medicamentos	
Efeitos Secundarios do Tratamento	Anemia - A Neutropenia - N Pancreatite - P Hepatotoxicidade - H Alterações Psicológicas - AP Neuropatia Periférica - NP Miopatia - M Alergias Cutâneas - AC Lipodistrofia - L Acidose Láctica - AcL Diarreia - D Outros:
Aderente ao TARV:	Sim Não
Data da proxima consulta	
Data do proximo controlo de CD4:	
Referido para outro sector clinico:	
Referido para serviços comunitários:	
Observacoes:	

OpenMRS

Página Inicial | Procurar/Registar Paciente | Dicionário | Cohort Builder | Reporting | Administração

Maria Carlos | ADULTO: SEGUIMENTO (S.TARV: ADULTO SEGUIMENTO) | (Unsaved Form)

FICHA DE SEGUIMENTO PARA ADULTOS

REPÚBLICA DE MOÇAMBIQUE SERVIÇO NACIONAL DE SAÚDE Mod. SIS - H-10		Nome:Maria Carlos Data de nascimento: 17/out/2018	Idade: 0- Sexo: F
NID: 01080805/17/00010	Nº do livro pré-TARV:	Página do livro pre-TARV:	Linha da Pág do pré-TARV:
	Nº do livro TARV:	Página do livro TARV:	Linha da Pág do TARV:
Data da Consulta			
Unidade Sanitária		Local Desconhecido	
Médico		Enter.....	
Altura: [cm][Última Altura:] Peso(kg)			
Indice de Massa Corporal (IMC):(kg/m2)			
Classificação Nutricional:			
Apoio Nutricional (ANUT)		☐ S ☐ N **Tipo:** ☐ CSB ☐ Plumpy Nut ☐ Papa Enriquecida ☐ Outro	
Temperatura (ºC):			
Tensão Arterial (TA)		/	
Gravidez: Nova: ☐ DUM DPP:		☐ PTV ☐ TARV	
Lactante:		☐ Sim ☐ Não	
LABORATÓRIO			
Data de Processamento do CD4 (d-m-a)			
CD4 (/mm) / CD4 (%)		/	
Carga Viral (CV)			
G. Brancos (GB)			
Neutrofilos (N) (l/mm3 e %)		/	
Linfócitos (L) (l/mm3 e %)		/	
Hemoglobina (HgB) (g/dl)			
Provas hepáticas - ALT / AST (U/L)		/	
Glicémia (GL) (g/dl)			
Ureia (UR) (mg/dl) / Creatinina (CR) (mmol/L)		/	
Amilase			
Teste de gravidez		☐ Positivo ☐ Negativo	
Plaquetas			
RPR		☐ Positivo ☐ Negativo	
ESTADIO OMS		Último Estadio []	
Outros diagnósticos		☐ Malária ☐ Anemia ☐ Malnutrição ☐ Leucemia ☐ Encefalopatia ☐ Otite ☐ Febre ☐ Sarcoma de Kaposi ☐ Diarreia ☐ Falência Terapeutica	
Infecções Oportunistas			
Rastreio de ITS(Tem sintomas sugestivas de ITS)?		☐ Sim ☐ Não	
Rastreio de TB(Tem sintomas sugestivas de TB)?		☐ Sim ☐ Não	
Resultado para a Investigação para TB de BK e/ou RX?		☐ Positivo ☐ Negativo	
Tratamento de TB (Veja Cartão de TB): Data Inicio: Data Fim:		☐ Sim ☐ Não	
Profilaxia com Cotrimoxazol - TPC: Data Inicio: Data Fim:		☐ Sim ☐ Não	
Profilaxia com INH - TPI: Data Inicio: Data Fim:		☐ Sim ☐ Não	
Aconselhado para Adesão aos Cuidados:		☐ Sim ☐ Não	
TARV:			
Data de Elegibilidade para iniciar o TARV:			
Data de Inicio de TARV:		[15/dez/2018]	
Critério de Elegibilidade para oInicio do TARV:			
Data de Reinicio de TARV:			
Médicamentos ARVs		Esquema ARV: Tipo: Interrompeu por: Mudança de regime:	
Outros Medicamentos			
Efeitos Secundarios do Tratamento		☐ Anemia - A ☐ Neutropenia - N ☐ Pancreatite - P ☐ Hepatotoxicidade - H ☐ Alterações Psicológicas - AP ☐ Neuropatia Periférica - NP ☐ Miopatia - M ☐ Alergias Cutâneas - AC ☐ Lipodistrofia - L ☐ Acidose Láctica - AcL ☐ Diarreia - D ☐ Outros:	
Aderente ao TARV:		☐ Sim ☐ Não	
Data da proxima consulta			
Data do proximo controlo de CD4:			
Referido para outro sector clinico:			
Referido para serviços comunitários:			
Observacoes:			

Annex 3- OpenMRS EPTS Pediatria Seguimento

OpenMRS

Entrou no sistema como Bomber Budas Spain | Ajuda | Logout | Home

Página Inicial | Procurar/Registar Paciente | Dicionário | Cohort Builder | Reporting | Administração

Discard changes | Print

Maria Carlos | PEDIATRIA: SEGUIMENTO (S.TARV: PEDIATRIA SEGUIMENTO) | (Unsaved Form)

FICHA DE SEGUIMENTO PARA PEDIATRIA

REPÚBLICA DE MOÇAMBIQUE **SERVIÇO NACIONAL DE SAÚDE** **Mod. SIS - H-10**		Nome:Maria Carlos	
		Data de nascimento: 17/out/2018	Sexo: F
NID: 01080805/17/00010	Nº do livro pré-TARV:	Página do livro pre-TARV:	Linha da Pág do pré-TARV:
	Nº do livro TARV:	Página do livro TARV:	Linha da Pág do TARV:

PCR-DNA - 1º Resultado: ○ POS ○ NEG ○ IND Data: PCR-DNA - 2º Resultado: ○ POS ○ NEG ○ IND Data:
Resultado de teste Rápido de HIV: ○ POS ○ NEG ○ IND Data:

Data da Consulta	
Unidade Sanitária	Local Desconhecido
Médico	Enter.....
Idade anos / meses	0 / 0
Peso (kg)	
Estatura (cm)	
Peso/Estatura (DP) ou IMC (kg/m2) para idade	
Classificação Nutricional:	
Suplementação/ tratamento Nutricional (ATPU/CSB)	○ S ○ N **Tipo:** ○ CSB ○ Plumpy Nut ○ Papa Enriquecida ○ Outro
Desenvolvimento Psico-Motor Adequado para a idade?	○ S ○ N
Temperatura (ºC):	
LABORATÓRIO	
Data de Processamento do CD4 (d-m-a)	
CD4 (/mm) / CD4 (%)	/
Carga Viral (CV)	
G. Brancos (GB)	
Neutrofilos (N) (/mm3 e %)	/
Linfócitos (L) (/mm3 e %)	/
Hemoglobina (HgB) (g/dl)	
Provas hepáticas - ALT / AST (U/L)	/
Glicémia (GL) (g/dl)	
Ureia (UR) (mg/dl) / Creatinina (CR) (mmol/L)	/
Amilase	
Plaquetas	
ESTADIO OMS	Último Estadio []
Outros diagnósticos	○ Malária ○ Anemia ○ Malnutrição ○ Leucemia ○ Encefalopatia ○ Otite ○ Febre ○ Sarcoma de Kaposi ○ Diarreia ○ Falência Terapeutica
Infecções Oportunistas	
Rastreio de TB(Tem sintomas sugestivas de TB)?	○ S ○ N
Resultado do BK (POS/NEG)	○ POS ○ NEG
Tratamento de TB (Veja Cartão de TB): Data Inicio: Data Fim:	○ S ○ N
Profilaxia com Cotrimoxazol - TPC: Data Inicio: Data Fim:	○ S ○ N
Profilaxia com INH - TPI: Data Inicio: Data Fim:	○ S ○ N
Recebeu educação para Adesão aos Cuidados:	○ S ○ N
TARV:	
Data de Elegibilidade para iniciar o TARV:	
Data de Inicio de TARV:	[15/dez/2018]
Data de Reinicio de TARV:	
Médicamentos ARVs	Esquema ARV: Tipo: Interrompeu por: Mudança de regime:
Outros Medicamentos	
Efeitos Secundarios do Tratamento	○ Anemia - A ○ Neutropenia - N ○ Pancreatite - P ○ Hepatotoxicidade - H ○ Alterações Psicológicas - AP ○ Neuropatia Periférica - NP ○ Miopatia - M ○ Alergias Cutâneas - AC ○ Lipodistrofia - L ○ Acidose Láctica - AcL ○ Diarreia - D ○ Outros:
Aderente ao TARV:	○ Sim ○ Não
Data da proxima consulta	
Data do proximo controlo de CD4:	
Referido para outro sector clinico:	
Referido para serviços comunitários:	
Observacoes:	

Submeter