Release note for iSanté 18.2

New calculation methods for exposed children

(Condition A or Condition B or Condition C or Condition D) and Condition E

- Condition A

  The latest PCR in date must be negative. Figure 1 or 2

Figure 1

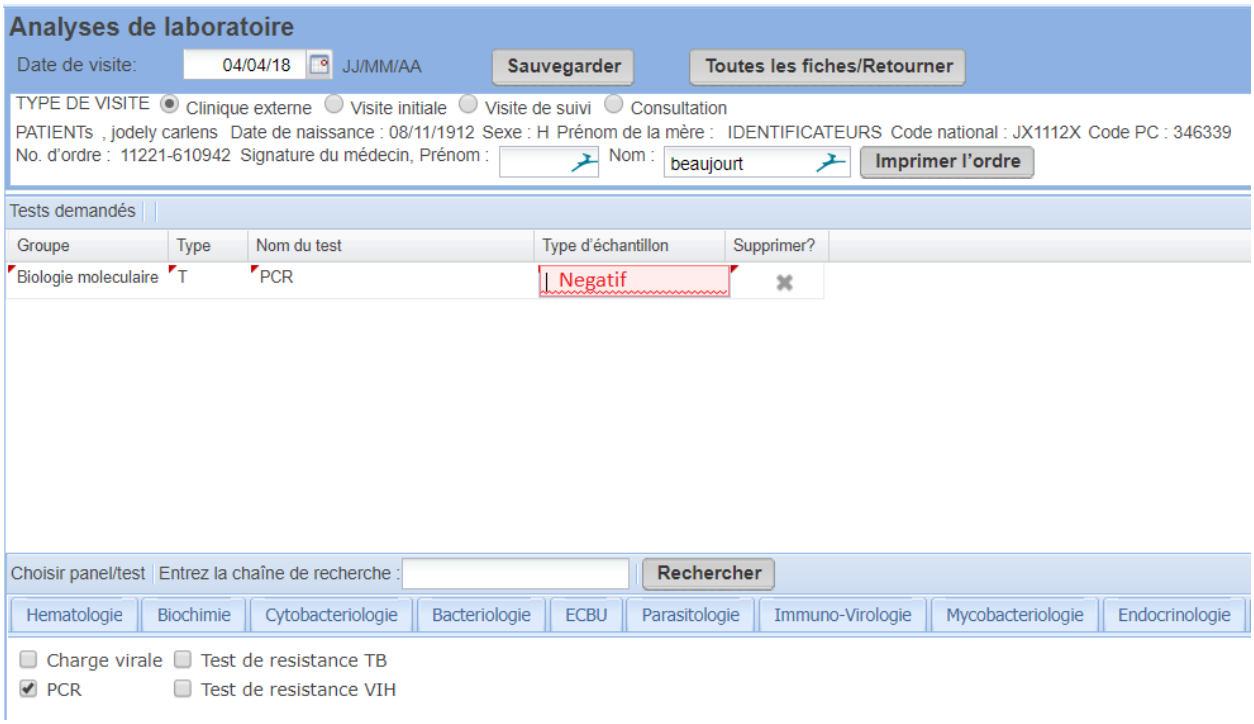


Figure 2

- Condition B

  Exposed child must be checked. Figure 3

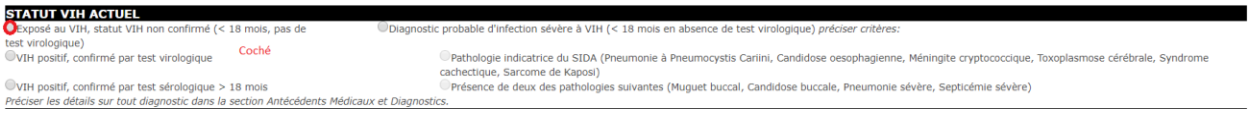


Figure 3

- Condition C

  A Discontinuation form with the mention seroreversion. Figure 4

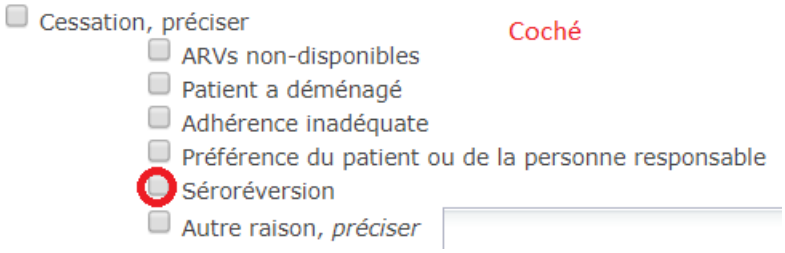


Figure 4

- Condition D

  ARVs prescribed for prophylaxis. Figure 5

(-) NRTIs	Coché en Prophylaxie	
Abacavir (ABC)	Rx / Prophy	300mg comprimé 20mg/ml sirop
Combivir (AZT+3TC)	Rx / Prophy	300mg/150mg
Didanosine (ddI)	Rx / Prophy	400mg tablette 10mg/ml sirop
Emtricitabine (FTC)	Rx / Prophy	200mg
Lamivudine (3TC)	Rx / Prophy	150mg comprimé 10mg/ml sirop
Stavudine (d4T)	Rx / Prophy	40mg capsule 1mg/ml sirop
Trizivir (ABC+AZT+3TC)	Rx / Prophy	300mg/300mg/150mg
Zidovudine (AZT)	Rx / Prophy	300mg capsule 10mg/ml sirop
Tenofovir (TNF)	Rx / Prophy	300mg
(-) NNRTIs		
Efavirenz (EFV)	Rx / Prophy	600mg comprimé 30mg/ml sirop
Nevirapine (NVP)	Rx / Prophy	200mg comprimé 10mg/ml
Etravirine(ETV)	Rx / Prophy	
(-) PIs		
Lopinavir+BostRTV (Kaletra)	Rx / Prophy	40mg/10mg capsule 80mg/20mg/ml sirop
Nelfinavir (NFV)	Rx / Prophy	250mg comprimé 200mg/5ml sirop
Saquinavir (SQV)	Rx / Prophy	200mg
Ritonavir (RTV)	Rx / Prophy	100mg comprimé

Figure 5

- Condition E No positive PCR during the analysis period.

Adherence to these criteria above will eliminate exposed children from the following reports: Active List of ARV and Pre ARV patients, lost to follow up.

New reports

Children eligible for a PCR

The report runs to date and produce the number and a list of children who deserve a PCR Figure 6 and 7.

Selection Criteria: Condition A or Condition B

- Condition A
  Age (4 weeks - 1 month) and exposed child checked. Figure.3
- Condition B
  Age (12 - 18 months) and positive serological test

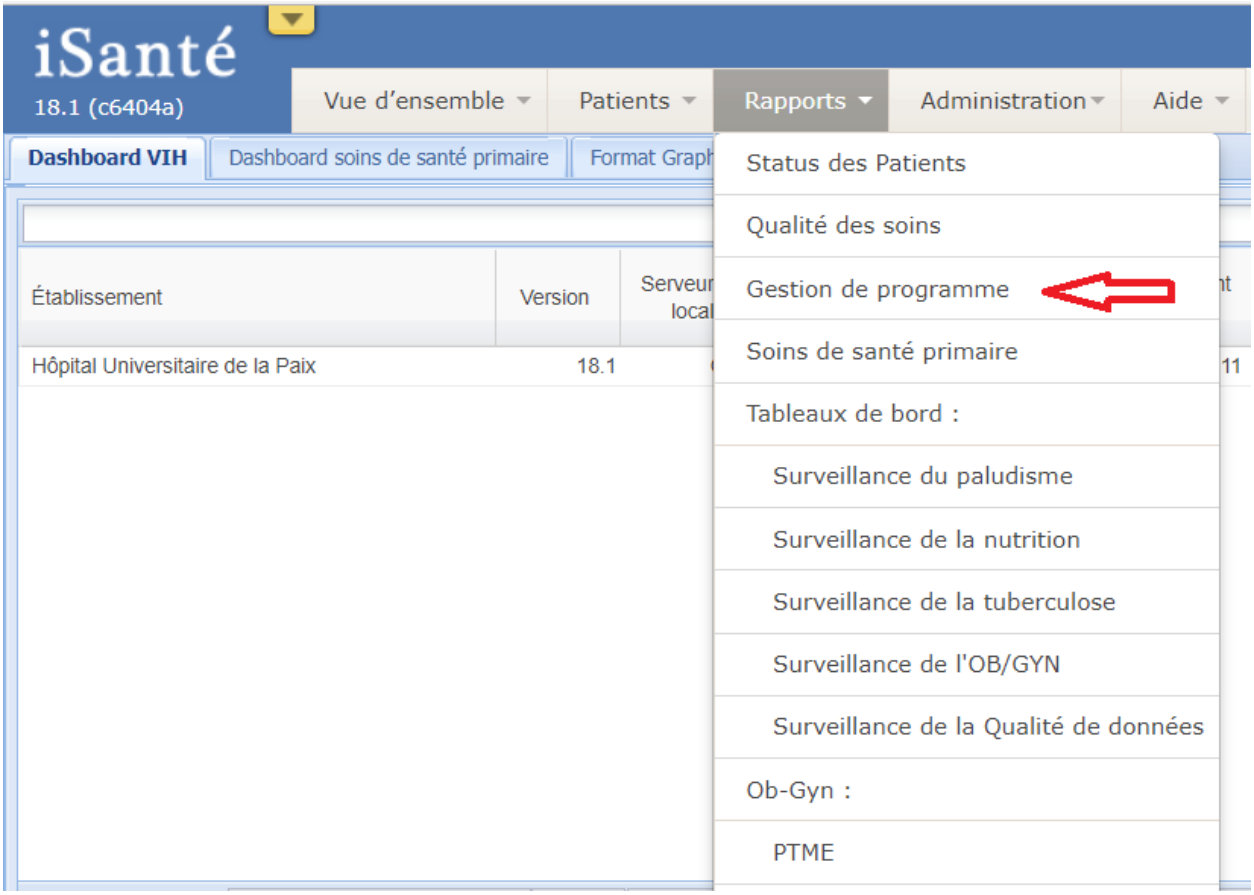


Figure 6

Figure 7

HealthQual Report

1. **Retention of patients in HAART**
   Numerator: Cumulative number of HIV + patients on ongoing ART.
   Denominator: Cumulative number of HIV + patients already on ARVs excluding children exposed and transferred.
   Calculation method
   Numerator: HIV + Patient on ARV and (First HIV Visit Card or HIV Tracker Card or Prescription Card with Date = X)
   The date of the prescription card must not exceed the reporting period of more than 90 days.
   Denominator: HIV + patient on ARVs excluding children exposed and transferred.
2. **ARV enrollment (Proportion of eligible HIV + patients on ART during the analysis period.)**
   Numerator: Number of HIV + patients enrolled on ARVs during the analysis period.
   Denominator: Number of HIV + tested patients during the analysis period, excluding deaths, exposed children, and transferred.

Calculation method

Numerator: HIV + patients on ARVs with a first HIV visit card whose filling date is included in the analysis interval excluding the deceased, children exposed and transferred

Denominator: HIV + patients with a first HIV visit card whose filling date is included in the analysis interval excluding the deceased, children exposed and transferred

3. **Proportion of HIV + patients on ARVs who received an adherence assessment in the last 6 months.**

Numerator: Number of HIV + patients on ARVs who benefited from the pills account or completed the questionnaire during the last 6 months.

Denominator: Number of HIV + patients on ARVs who have had at least one medical visit in the last 6 months, excluding those who died and were transferred.

Calculation method

Numerator: Number of HIV + patients on ARVs excluding deceased, exposed and transferred children who completed the questionnaire during the last 6 months. Figure.8

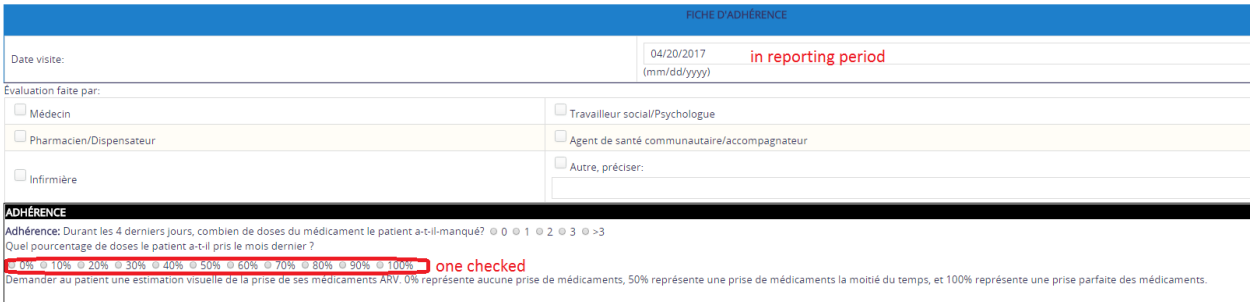


Figure 8

Denominator: HIV + patient under ARV excluding the deceased, children exposed and transferred having received at least one medical visit (1erViste, HIV monitoring, prescription) during the last 6 months

4. **Proportion of HIV + patients on ARV considered adherents during the analysis period**

Numerator: A cumulative number of HIV + patients enrolled on ARVs older than 3 months with ART adherence ≥ 95%.

Denominator: Cumulative number of HIV + patients enrolled on ARVs older than 3 months who received an assessment of their adherence during the last 3 months, excluding the deceased and transferred

Calculation method

Numerator: Number of HIV + patients on ARVs excluding deceased children exposed and transferred having benefited from filling the questionnaire during the last 3 months with an adhesion evaluated at 90% or 100%. Figure.9

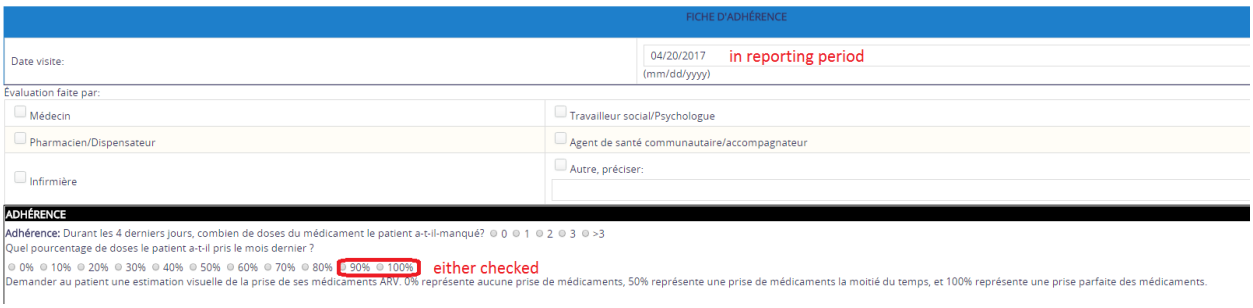


Figure 8

Denominator: Number of HIV + patients on ARVs excluding deceased children exposed and transferred, who have completed the questionnaire during the last 3 months. Figure.8

5. **Proportion of PLHIV who received chemo INH prophylaxis during the analysis period**

   Numerator: Number of HIV + patients in the denominator who received INH prophylaxis during the analysis period excluding patients with active TB, deceased, transferred children under one year of age and exposed children.

   Denominator: Number of HIV + patients enlisted during the review period, excluding patients with active TB, deceased, transferred children under one year of age, and children

   Calculation method

   Numerator: HIV + patients with a first HIV visit card whose filling date is included in the analysis interval excluding patients with active tuberculosis, the deceased, children exposed and transferred who received the INH prophylaxis. Figure.10

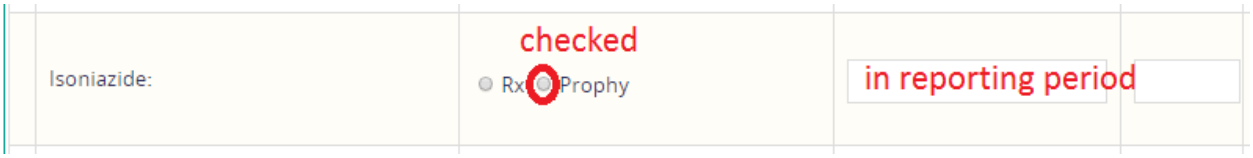


Figure 9

Denominator: HIV + patients with a first HIV visit card whose fill date falls within the analysis interval excluding patients with active tuberculosis, the deceased, children exposed and transferred.

6. **Proportion of pregnant HIV-infected women who received triple therapy with ARVs during the analysis period**

   Numerator: Number of HIV + screened pregnant women who received ARV triple therapy during the analysis period

   Denominator: Number of pregnant women screened for HIV + during the analysis period excluding deceased and transferred

   Calculation method

   Numerator: HIV + ARV Patient and Pregnancy during the Analysis Period Excluding the Deceased, Children Exposed and Transferred

Denominator: HIV + Patient and Pregnancy during the Analysis Period Excluding Deceased, Exposed and Transferred Children

7. **Proportion of HIV + patients on ARV treatment who received an assessment of their viral load at 18 months after starting treatment**
   Numerator: Number of ARV patients who received an assessment of viral load 18 months after initiation of treatment during the review period
   Denominator: Number of patients who have been on ART for the past 18 months seen at the clinic during the review period

   Calculation method
   Numerator: HIV + patient on ARV for at least 18 months seen at the clinic during the analysis period who received a viral load, excluding the deceased children exposed and transferred.
   Figure.11.12.

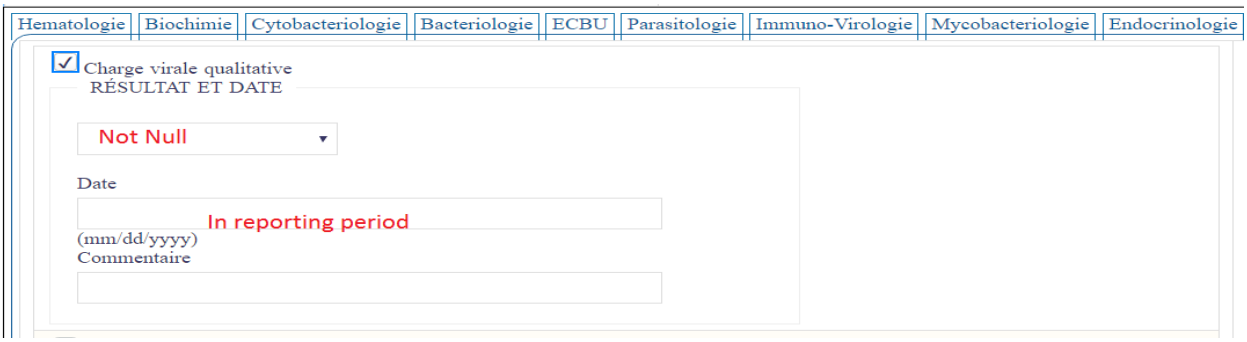


Figure 10

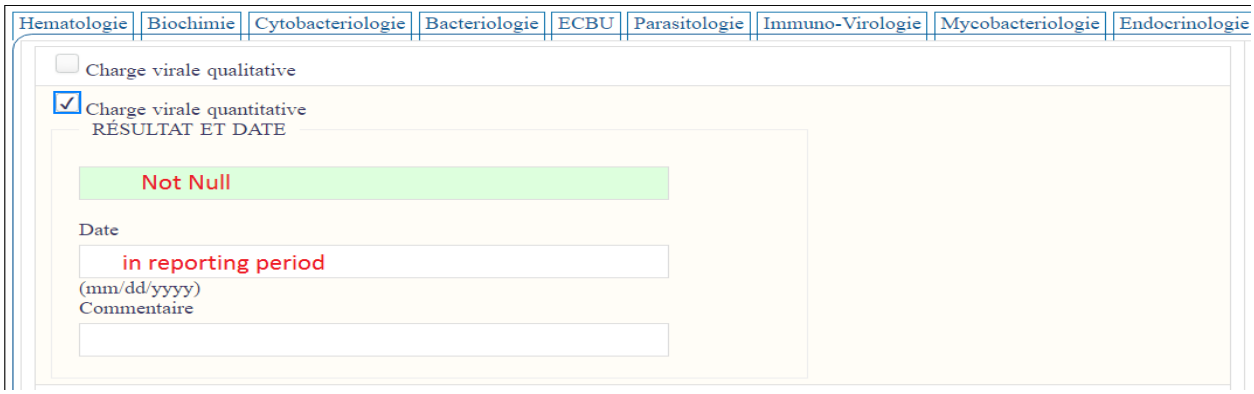


Figure 11

Denominator: HIV + patient on ARV for at least 18 months seen at the clinic during the analysis period excluding the deceased children exposed and transferred

8. **Proportion of HIV + patients on ART for more than 6 months with undetectable viral load**
   Numerator: Number of VH + patients who have been on ARVs for more than 6 months with an undetectable viral load during the analysis period excluding the deceased, children exposed and transferred.

Denominator: Number of patients who have been on ARVs for more than 6 months and who received a viral load assessment during the analysis period excluding the deceased, exposed children, and transferred patients.

Calculation method
Numerator: Patient HIV + on ARV for at least 6 months seen at the clinic, excluding the deceased, children exposed and transferred, during the analysis period and having received a viral load whose result was undetectable. Figure.13

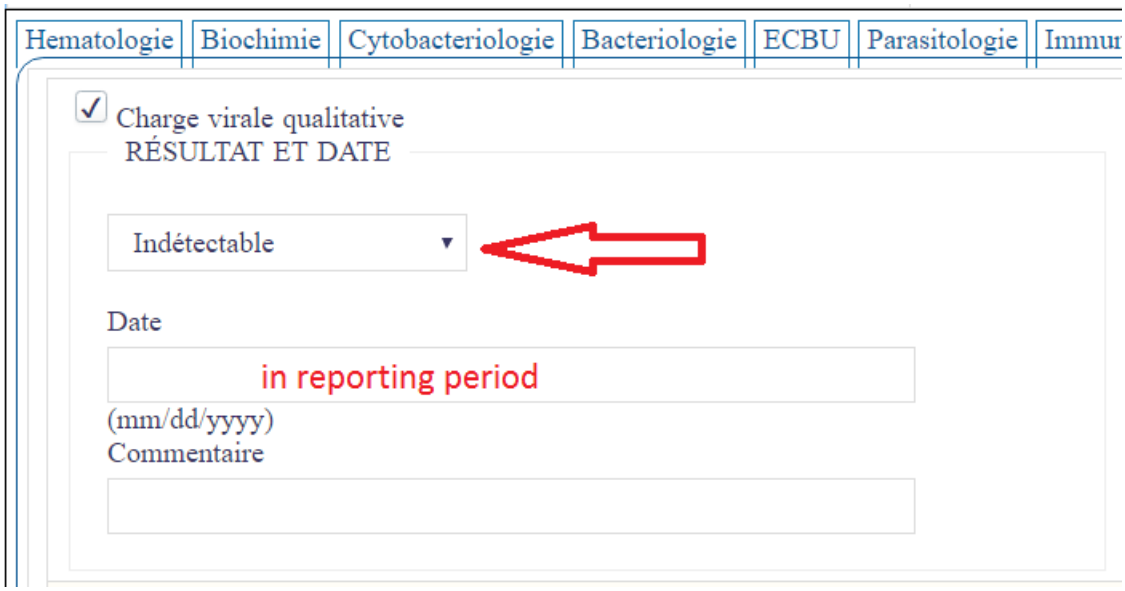


Figure 12

Denominator: HIV + patient on ARV for at least 6 months, seen at the clinic and receiving a viral load assessment during the analysis period excluding the deceased, children exposed and transferred.

9. **Proportion of children exposed to HIV with a negative PCR test during the analysis period.**
   Numerator: Number of children exposed to HIV aged 4 weeks to 18 months whose most recent PCR test is negative during the analysis period
   Denominator: Number of children exposed to HIV aged 4 weeks to 18 months seen at the clinic and having a PCR test during the analysis period
   Calculation method
   Numerator: HIV + Pediatric patient aged between 4 weeks and 18 months who had (a 1st pediatric HIV visit or pediatric follow-up or pediatric prescription) who received a PCR test during the analysis period. Figure.14

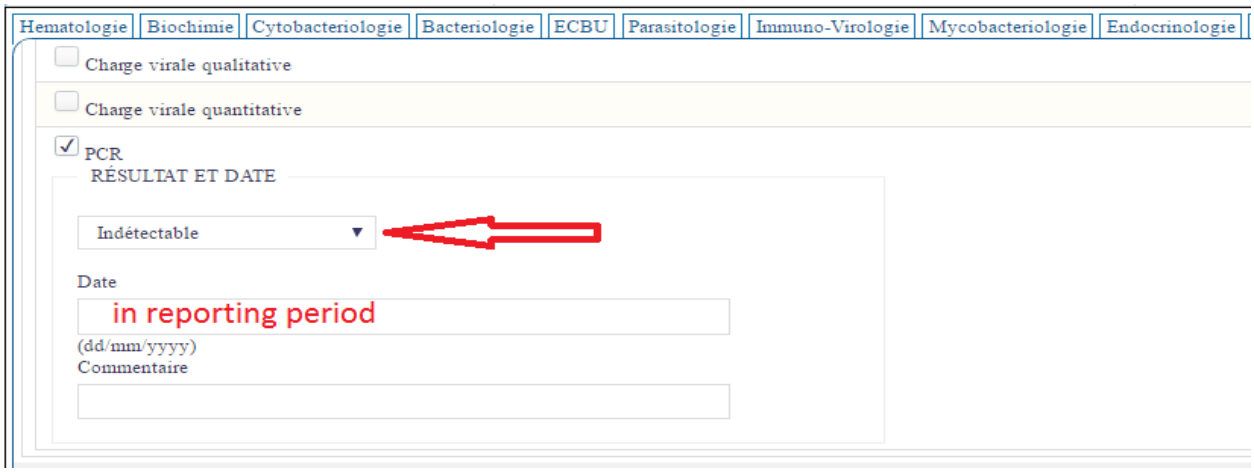


Figure 13

Denominator: HIV + Pediatric patient aged between 4 weeks and 18 months who had (a 1st pediatric HIV visit or pediatric follow-up or pediatric prescription) during the analysis period.

10. **Early detection of HIV**

Numerator: Number of children aged 4 weeks to 1 year, and those from 12 months to less than 18 months of age who received early PCR at any time before the end of the test period
Denominator: Number of children aged 4 weeks to 1 year, and those from 12 months to less than 18 months with a positive rapid test seen at the clinic during the test period

Calculation method

Numerator: Pediatric patient aged between 4 weeks and 12 months, and those aged 12 months to less than 18 months who had (a 1st pediatric HIV visit or pediatric follow-up or pediatric prescription) who received a PCR test during the analysis period .
Denominator: Pediatric patient aged between 4 weeks and 12 months who had (a 1st pediatric HIV visit or pediatric follow-up or pediatric prescription) and, those from 12 months to less than 18 months who had (a 1st pediatric HIV visit or pediatric or prescription follow-up pediatric and a positive rapid test Figure 15.16.17) during the analysis period

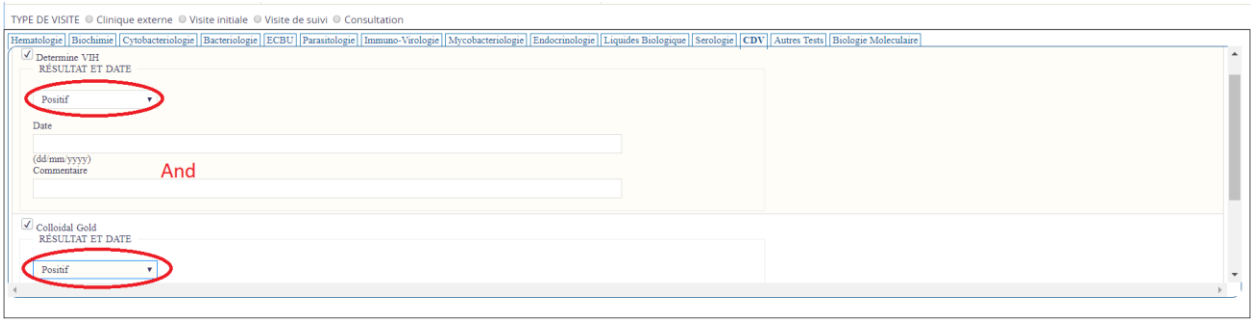


Figure 14

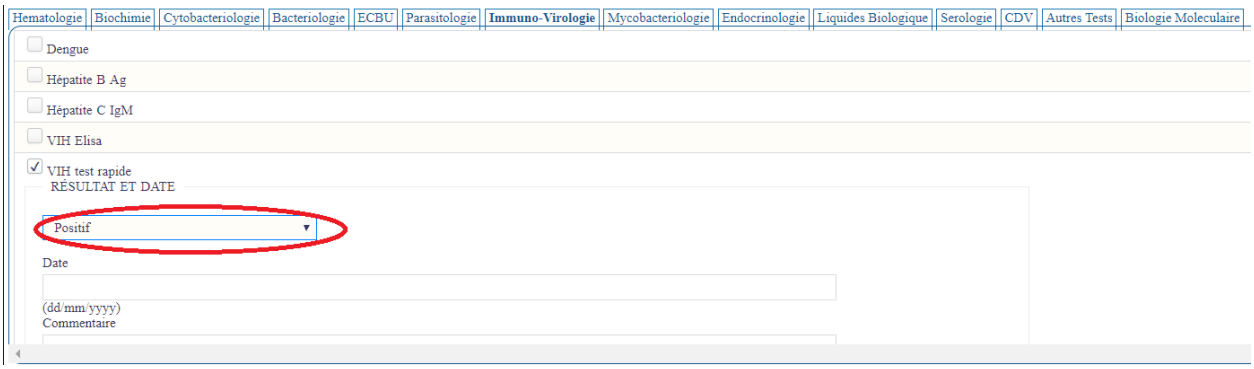


Figure 16

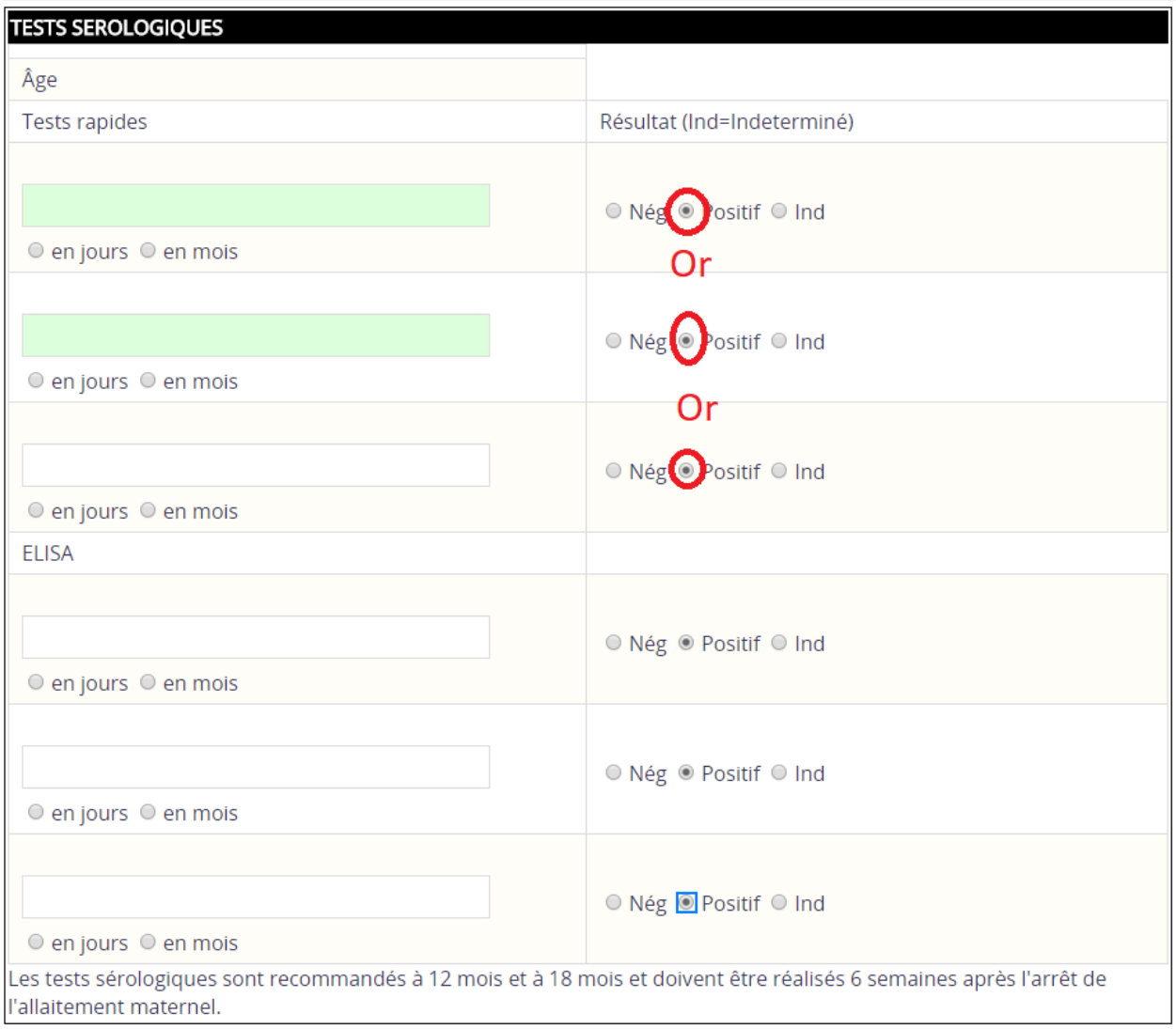


Figure 17

11. **Proportion of PLHIV screened for TB at enrollment during the analysis period.**
    Numerator: Number of HIV + patients assessed for TB enrollment during the analysis period
    Denominator: Number of HIV + patients enrolled in care during the analysis period excluding deceased and transferred

    Calculation method
    Numerator: HIV + patients with a first HIV visit card whose fill date falls within the analysis interval excluding the deceased and transferred with a non-zero TB evaluation section. Figure.18

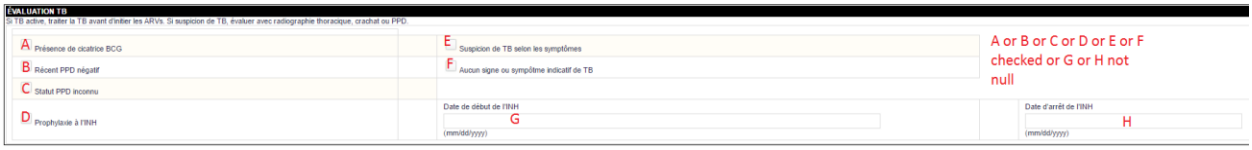


Figure 15

Denominator: HIV + patients with a first HIV visit card whose fill date falls within the analysis interval excluding the deceased and transferred.

New Drugs

- Raltegravir
- Elvitegravir
- Dolutegravir

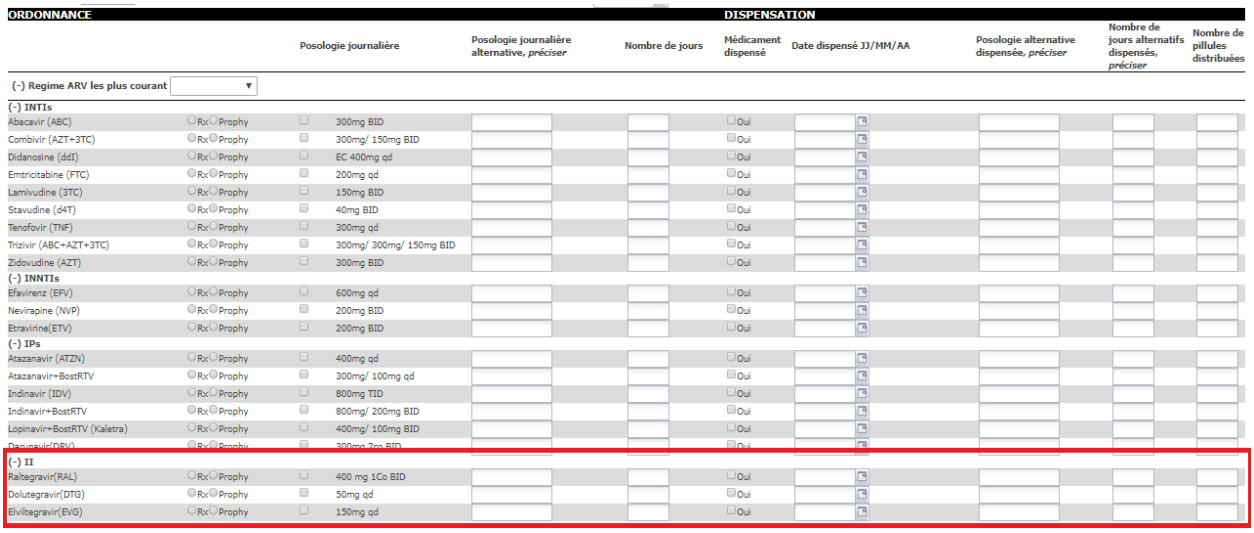


Figure 19

Dashboard alert for incomplete or poorly completed records

There is already a chart on iSante that lists the forms filled with errors per patient, Figure.20

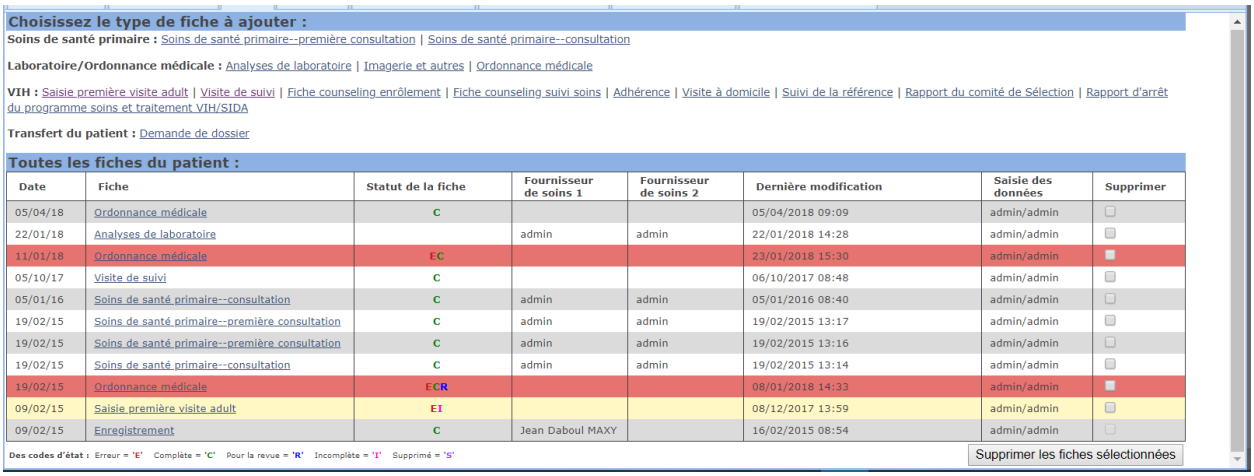


Figure 16

There is a summary report of the forms saved with errors on iSante, Reports→Quality of data→Cards with errors (summary report), Figure.21.22 & 23

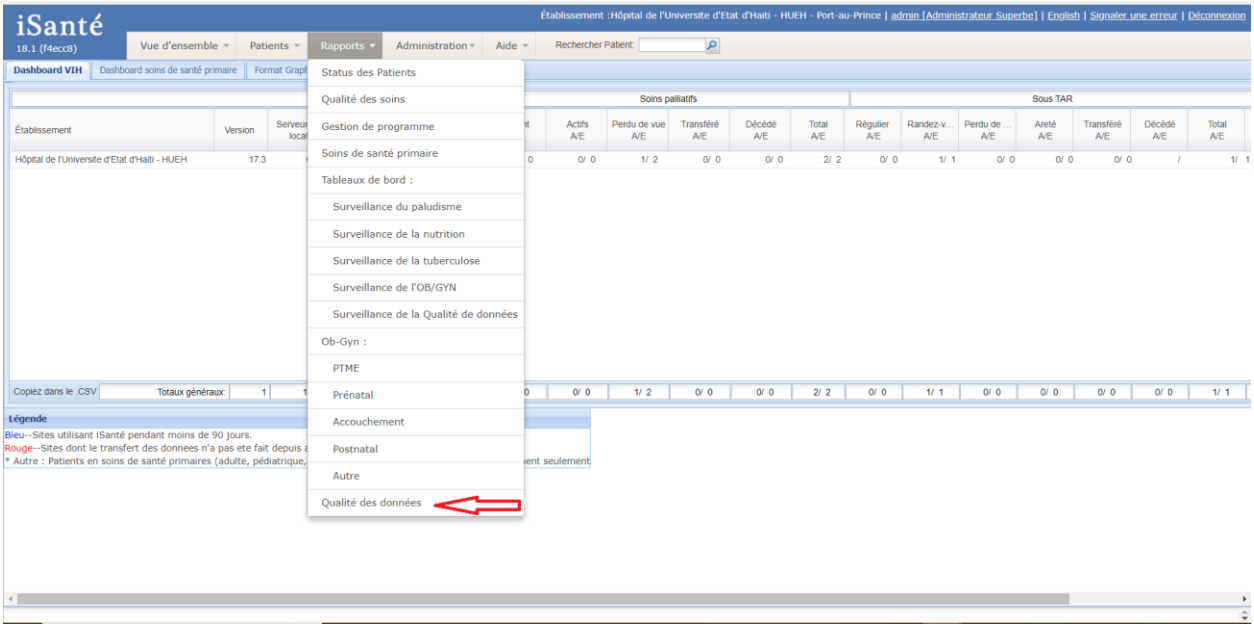


Figure 21

Rapports

Type de rapport	Nom de rapport
Données manquantes	Patients sans désignation de sexe
	Patients sans spécification d'année de naissance
	Patients sans PC, OG, ST
	Patients de statut actif avec des fiches de pharmacie complétées
	Patients de status actif avec des fiches de laboratoire complétées
Données non-valides	Date de visite ultérieure à la date d'entrée des données
	Mauvaise date de visite
	Patients (VIH) avec activité après discontinuation
Épurage des données	Éventualité de duplication d'enregistrement de patients
	Les patients ayant de multiples régimes VIH prescrits / distribués le même jour
	Fiches comportant des erreurs (rapport récapitulatif)
	Fiches d'ordonnance médicale avec erreurs
Processus de gestion des données	Date de visite/Laps de temps avant la saisie des données
	Fiches récemment saisies
	Nombre de fiches saisies la semaine dernière
	Nombre de fiches saisies le mois dernier
	Patients avec uniquement une fiche d'enregistrement
	Patients (VIH) sans fiche de première visite

Figure 22

Fiches comportant des erreurs (rapport récapitulatif)

Fermer | Impression

↓No. de patient attribué par le site↑	Fiche	↓Date de visite↑	↓Date de dernier changement↑	↓Zone↑	↓Description d'erreur↑
01267	Saisie première visite adult	2018-01-24	24/01/18	whoStage	Veuillez choisir au moins les SYMPTÔMES un PAR WHO STADE!
01267	Saisie première visite adult	2018-01-24	24/01/18	S'applique à la fiche entière	Erreur
01267	Visite de suivi	2018-01-24	24/01/18	whoStage	Veuillez choisir au moins les SYMPTÔMES un PAR WHO STADE!
01267	Visite de suivi	2018-01-24	24/01/18	S'applique à la fiche entière	Erreur
01267	Fiche de Consultation OB-GYN	2018-02-21	26/03/18	evalplanARVDate	Une case à cocher, une boîte des textes ou un champ correspondante de date doit être complété pour aller avec ce champ!
01267	Fiche de Consultation OB-GYN	2018-02-21	26/03/18	birthPlace	Une case à cocher, une boîte des textes ou un champ correspondante de date doit être complété pour aller avec ce champ!
01267	Fiche de Consultation OB-GYN	2018-02-21	26/03/18	birthHospitalName	Une case à cocher, une boîte des textes ou un champ correspondante de date doit être complété pour aller avec ce champ!

Figure 23

Any patient with at least one form filled with errors figure.21 should have the following alert on his dashboard: "Form (s) with detected error (s)"

Report corrections

Patient with appointment in 7 days

Patient with appointment in 14 days

Patients diagnosed with TB but without treatment

• Condition 1: established diagnosis of tuberculosis (Figure 24 and / or Figure 25 and / or T1)

• Condition 2: no treatment for TB (Figure 26)

Condition 1 and 2

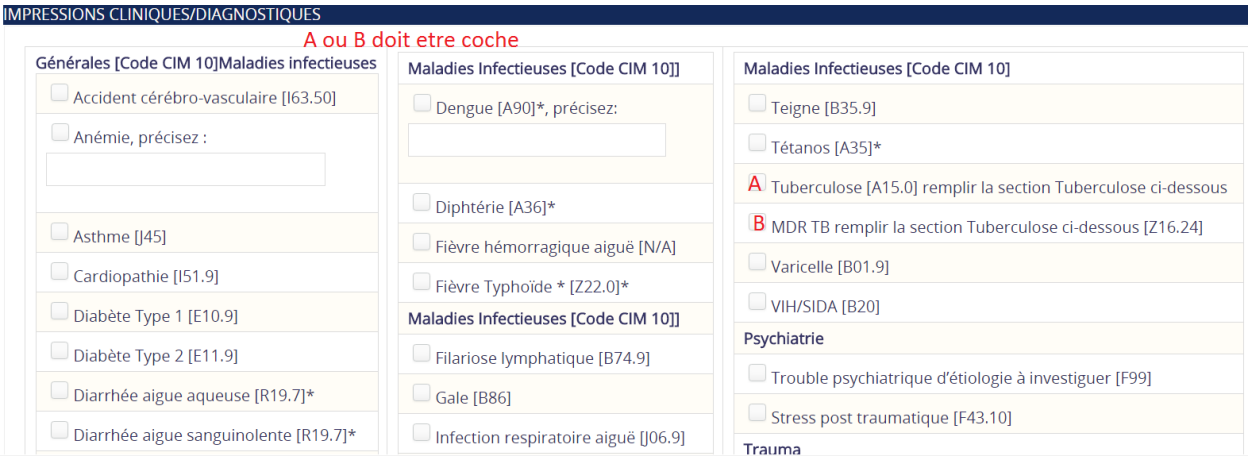
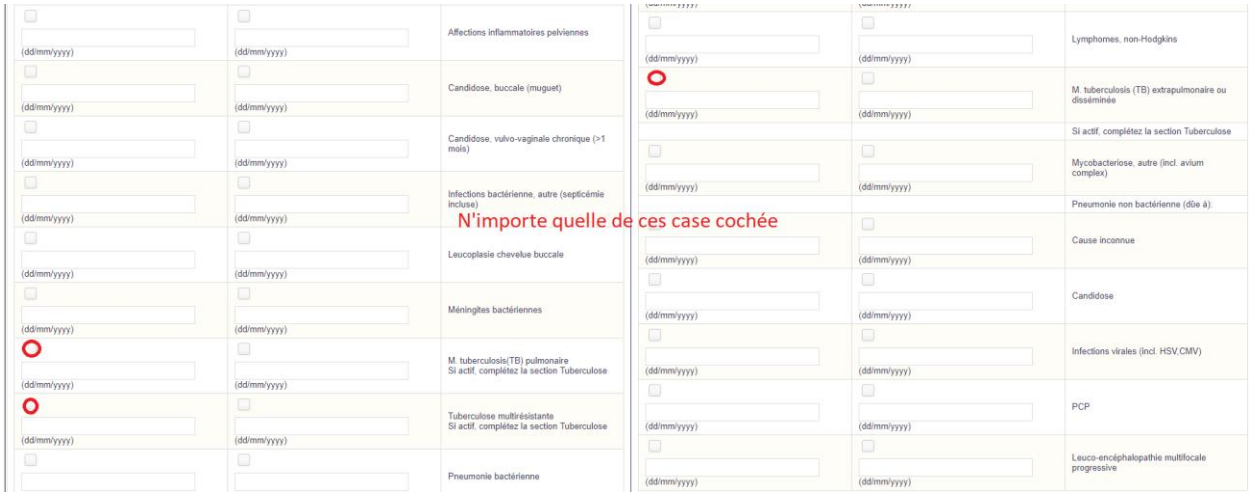


Figure 24

Figure 25



T1

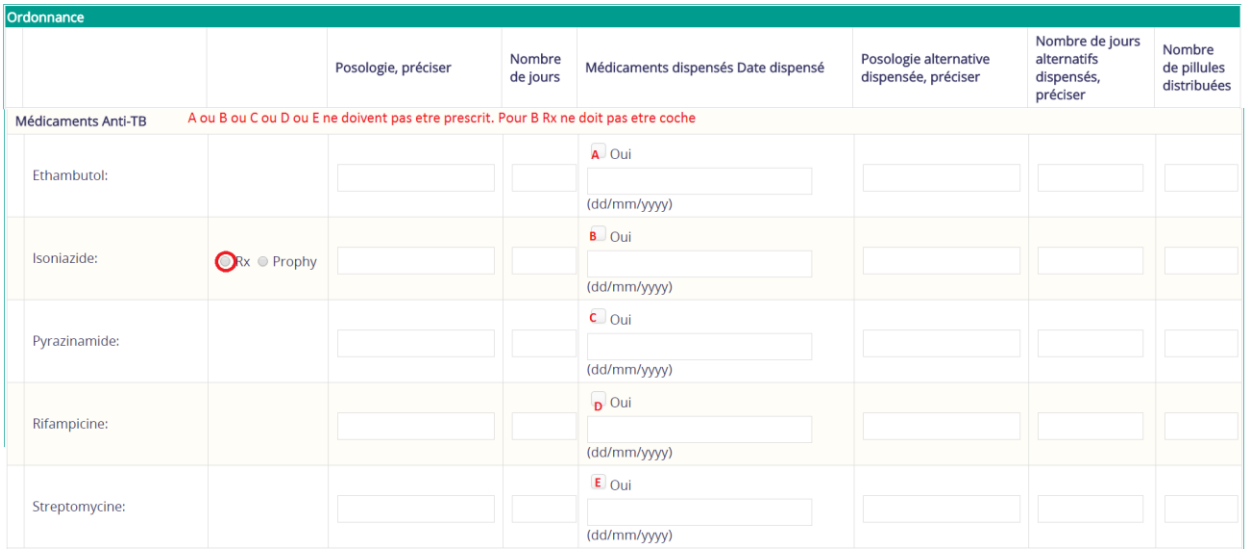


Figure 26

The parameters of this report are described in Figure.27

Patients avec des diagnostics de TB, mais sans traitement

Fermer | Imprimer | Excel (CSV)

Date de début: 01/01 MM/AA
Date de fin: 01/17 MM/AA
Statut du patient: Inactifs , ,
Statut du Traitement : -
Type de Tests: -
Niveau organisationnel: Patients
Groupement démographique: Aucun

No. de patient attribué par le site	No. d'identité nationale	Prénom	Nom	Sexe	Âge	Statut de patient	Dernière date
ST00082	99945778	26766385	49845045	F	60	Cessé sous TARs	04/03/09
ST00172	69736645	72848883	19570370	F	45	Cessé en soins palliatifs	30/05/14
ST00842	65359080	83389689	47672777	H	32	Cessé en soins palliatifs	07/04/10
ST00894	95403278	58717169	66200963	H	63	Cessé en soins palliatifs	04/07/14
ST01048	62075996	27082280	96610870	H	37	Cessé en soins palliatifs	16/01/13
ST01184	73371245	88515543	52955942	H	38	Cessé en soins palliatifs	30/01/13
ST01243	17767128	91076046	40351846	H	55	Cessé en soins palliatifs	07/05/13
ST01245	76758680	29864702	05672388	H	48	Cessé sous TARs	28/11/13
ST01324	43875314	79626366	15217759	F	29	Cessé sous TARs	29/11/13
ST01368	87462765	99296854	69076206	H	40	Cessé en soins palliatifs	08/11/13
ST01447	86919175	70809615	30582442	F	44	Inactif sous TARs	18/06/14
ST01490	42742428	19401393	04630627	F	30	Inactif en soins palliatifs	16/05/14
ST01496	48801174	47060972	98264960	F	25	Inactif sous TARs	04/07/14
ST01504	78579601	62509368	99369589	F	54	Inactif en soins palliatifs	07/07/14
ST01506	03641858	38277240	74721700	F	42	Inactif en soins palliatifs	26/06/14
ST01507	51234899	88489106	43069636	H	4	Inactif sous TARs	17/06/14
ST01520	97456209	82122266	78787246	H	36	Inactif en soins palliatifs	07/07/14
ST01523	97884615	25635279	54030503	H	26	Inactif en soins palliatifs	07/07/14

Total: 18

Fermer

Figure 27

Patients with signs and symptoms suggestive of tuberculosis, without sputum or x ray analysis Pulmonary

- Condition 1: signs and symptoms suggestive of tuberculosis. See Figure.28
- Condition 2: no sputum analysis
- Condition 3: no chest x-ray

Condition 1 and (condition 2 or condition 3)

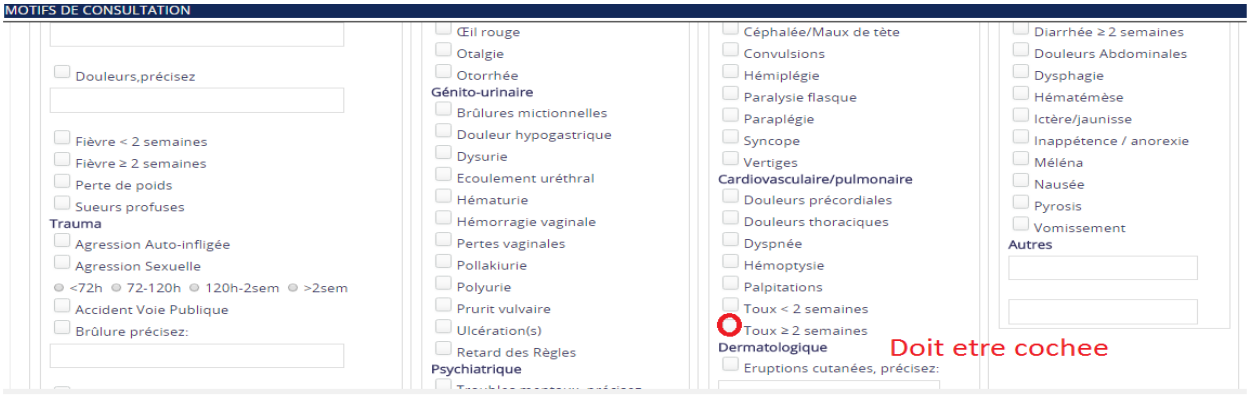


Figure 17

The parameters of this report are described in Figure.29

Patients avec signes et symptômes suggérant la TB, mais sans analyse des crachats ou radiographie pulmonaires

Fermer | Imprimer | Excel (CSV)

Date de début: 01/01 MM/AA — Date de fin: 01/17 MM/AA

Statut du patient: Inactifs , ,

Statut du Traitement : - — Type de Tests: -

Niveau organisationnel: Patients — Groupement démographique: Aucun

No. de patient attribué par le site	No. d'identité nationale	Prénom	Nom	Sexe	Âge	Statut de patient	Dernière date
00929BBex	02958821	79726495	68486708	H	11	Cessé en soins palliatifs	07/03/12
00963BBex	06745059	92758794	57604981	H	6	Cessé en soins palliatifs	27/06/12
01077BBex	48850864	33405757	51726208	H	5	Cessé en soins palliatifs	10/10/13
01081BBex	93549842	11562679	73202714	F	5	Cessé en soins palliatifs	01/10/13
01160BBex	55868803	29742465	46948729	H	4	Cessé sous TARs	28/05/14
01233BBex	51111282	42541055	02096593	H	4	Cessé en soins palliatifs	19/04/13
01250BBex	63666913	41264160	92396137	F	4	Cessé en soins palliatifs	27/03/14
01258BBex	62428806	29713512	92125875	H	4	Cessé en soins palliatifs	26/07/13
01303BBex	76278013	73072570	21107294	F	3	Inactif en soins palliatifs	09/06/14
01326 BB ex	46389130	15920027	89377302	H	3	Inactif en soins palliatifs	16/06/14
01342 Bbex	50655659	83758652	31286920	F	3	Inactif en soins palliatifs	30/06/14
01356BBex	03286549	12267046	65909121	F	3	Inactif en soins palliatifs	17/06/14
01517BBex	11800940	28186691	19559343	F	3	Inactif en soins palliatifs	25/06/14
B113	13	Jermain	Pierres	I	17	Inactif en soins palliatifs	06/08/14
ST00007	44690380	24787732	78997483	F	43	Inactif sous TARs	27/06/14
ST00031	55890959	26919350	81192565	H	60	Inactif sous TARs	03/07/14
ST00034	09994482	43277872	62419008	F	53	Inactif sous TARs	06/06/14
ST00035	79109426	02061901	02655549	H	68	Inactif sous TARs	12/06/14
ST00043	41821657	99935640	07999685	H	44	Inactif sous TARs	16/06/14
ST00044	32979252	33495482	09111662	H	49	Inactif sous TARs	18/06/14
ST00058	37892524	98199660	85626700	H	67	Inactif sous TARs	07/07/14
ST00059	63443100	02995770	63289901	H	76	Inactif sous TARs	25/06/14
ST00069	60353965	31562022	21384759	F	17	Inactif sous TARs	23/06/14
ST00075	77384216	33452069	96993490	F	51	Inactif sous TARs	17/06/14
ST00078	86797655	76627603	90583412	H	49	Cessé sous TARs	14/11/12
ST00089	61271817	30755762	05559883	H	73	Inactif sous TARs	13/06/14
ST00094	50750466	36916316	01517464	F	19	Inactif sous TARs	26/06/14
ST00100	87871280	12340488	26860912	H	50	Inactif sous TARs	07/07/14
ST00103	82026898	00565597	40466355	H	16	Inactif sous TARs	07/07/14
ST00105	64485992	14202041	57280065	F	42	Cessé sous TARs	23/09/13

Figure 29

Number of HIV + pregnant women

A positive HIV patient is considered pregnant if

Condition-1: the patient is diagnosed with pregnancy. Figure.30.31

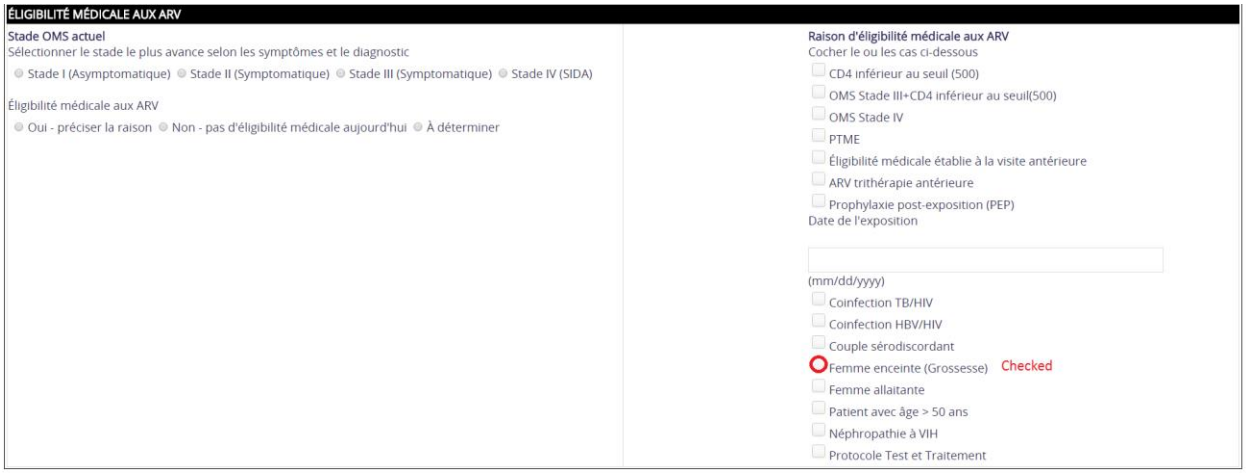


Figure 18

Figure 19

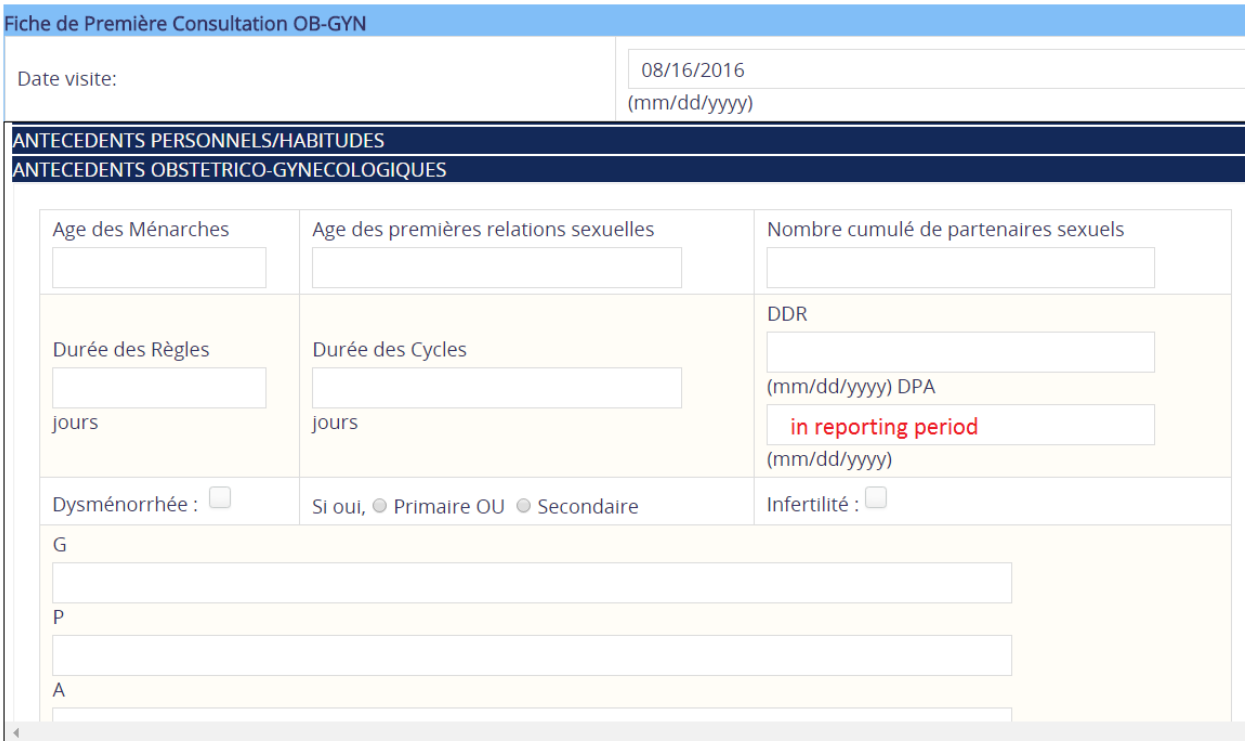


Figure 20

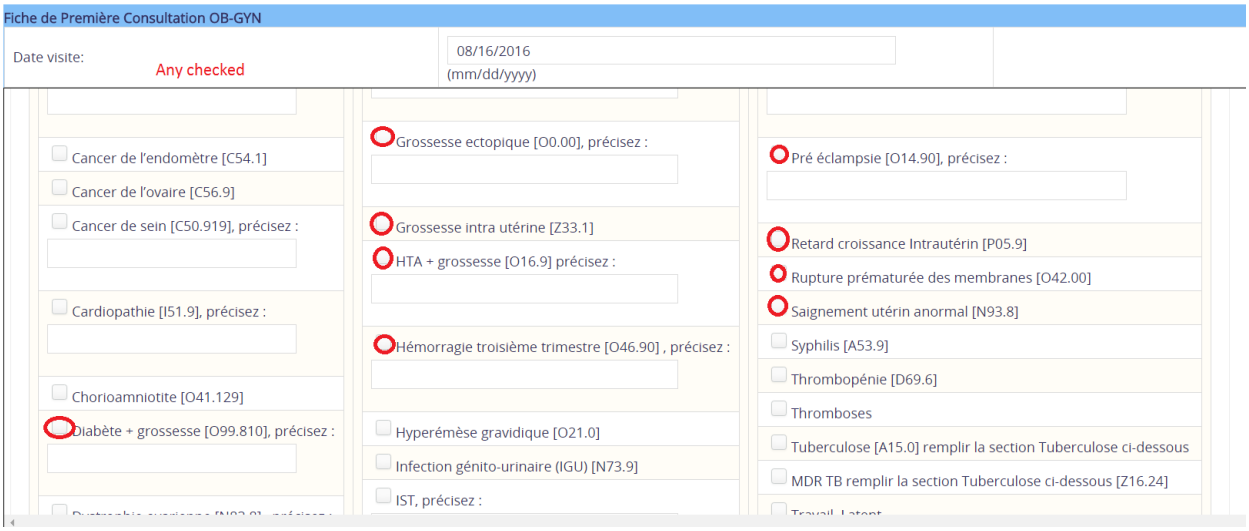


Figure 21

Condition-2: The patient has a positive pregnancy test. Figure.32 and 33

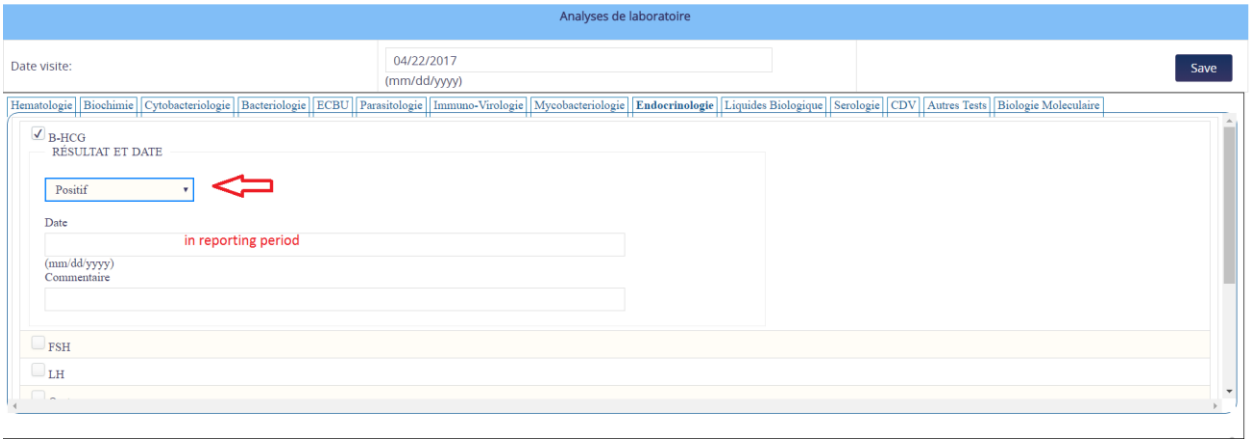


Figure 22

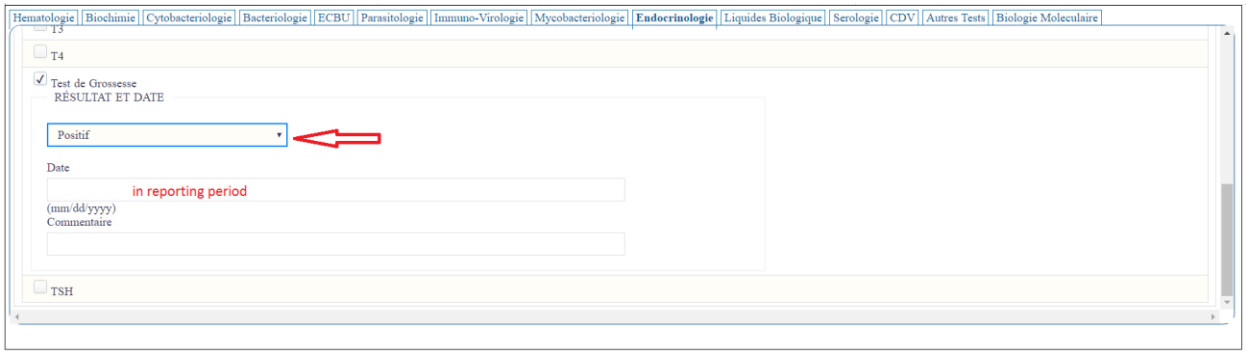


Figure 23

Condition-3: The patient has a work sheet and delivery completed. In this case, the period of pregnancy extends approximately nine months prior to the date of filling in the form.

Algorithm for limiting pregnancy status over time:

• When conditions 1 or 2 are true pregnancy begins with the observed start dates. The end date will be determined:

I. The probable date of birth (DPA) or

II. The LPD formula - 3 months + 7 days or

III. The date of a worksheet and childbirth> has the start date.

IV. If I and II and III are not available, the system automatically determines an end date = start date + 38 weeks

Number of HIV + pregnant women placed under HAART

A pregnant patient on ARV is an HIV + patient who has received at least one of these drugs in treatment. (Figure 36 and 37)

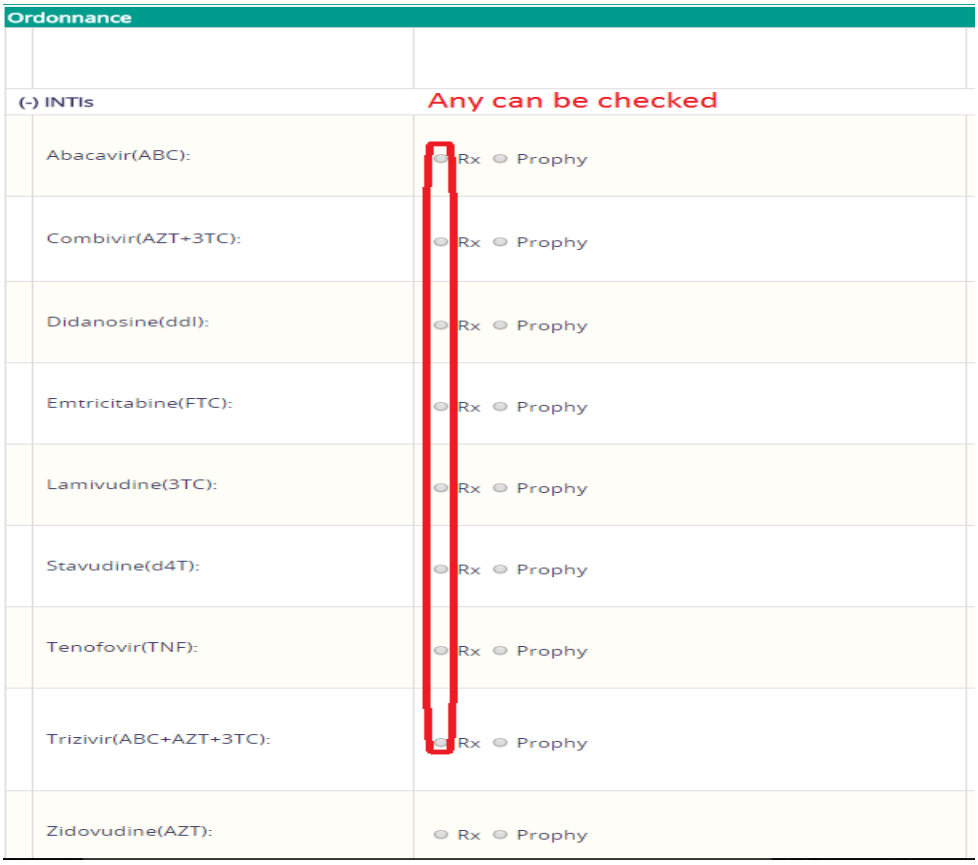


Figure 24

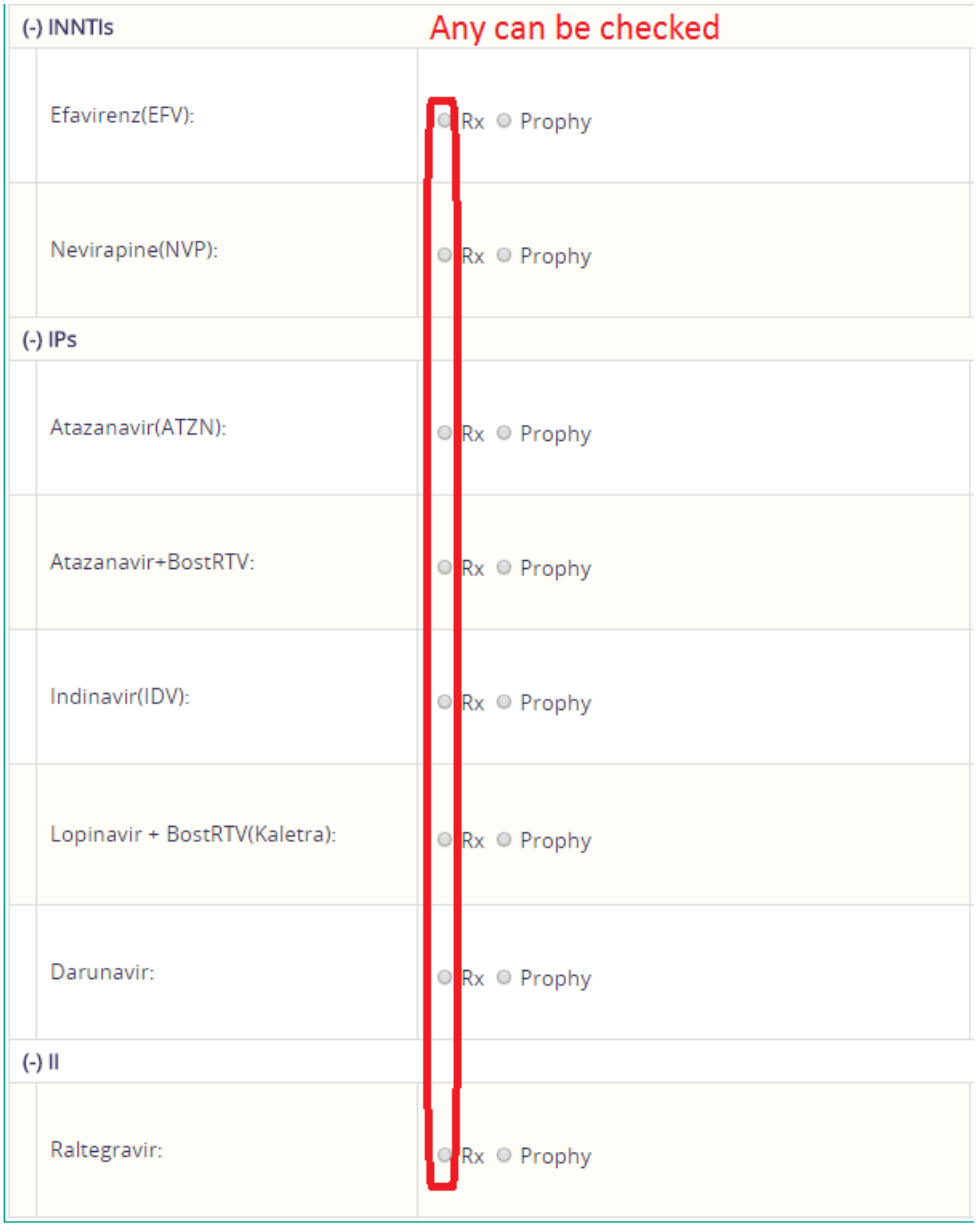


Figure 25

Number of prenatal visits

Total number of patients with a record of first visit or an OBGYN follow-up visit whose reason for consultation checked is prenatal. Figure.39

Number of pregnant women seen in first consultation

1. The patient must fulfill the conditions to be pregnant

2. Min date first visit form or OBGYN follow-up visit with pre-natal check mark. Figure.39 must be in the estimated period of pregnancy.

Calculation: account condition 1 and 2.

Number of children born to HIV + mother under ART as prophylaxis within 72 hours after birth

The patient must have a pediatric HIV first-visit card with the following box checked. Figure.38

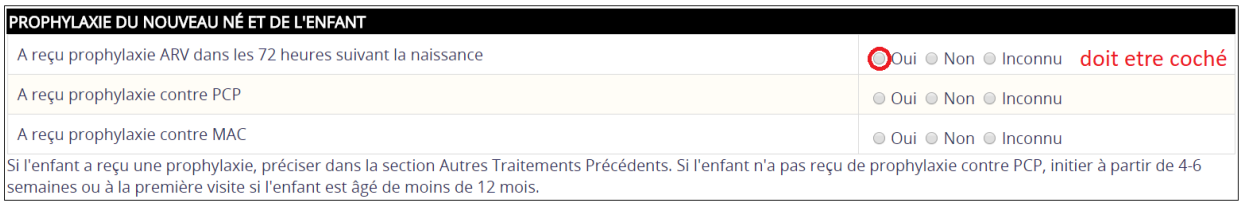


Figure 26

Frequency of antenatal visits per patient

Patient account with a record of first visit or an OBGYN follow-up visit whose reason for consultation checked is prenatal. Figure.39

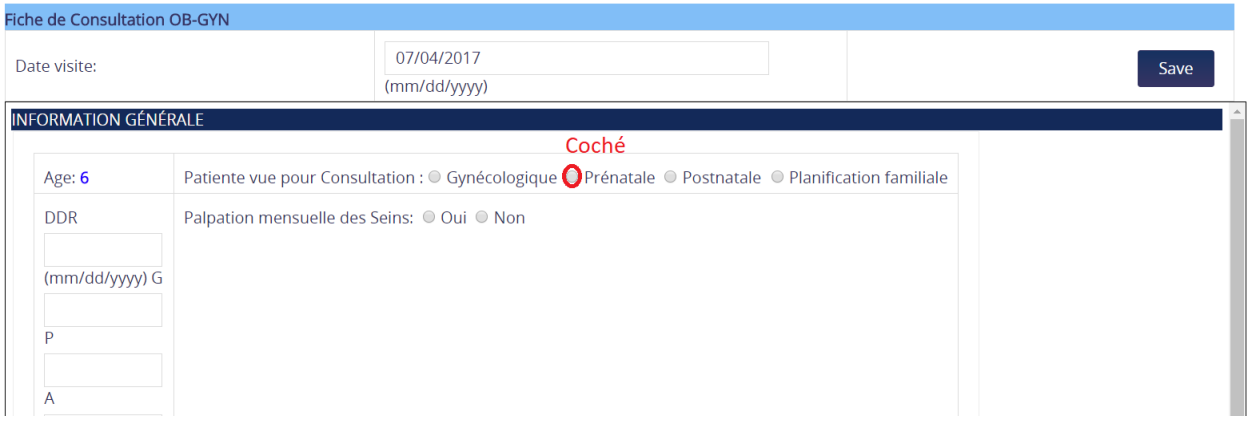


Figure 27

Number of children exposed tested by PCR

1. The patient must have a pediatric first visit card with the HIV tab checked in the analysis period. Figure.40

2. The patient must have a pediatric first visit card with a documented PCR test. Figure.41 in the analysis period.

3. The patient must have a lab record with a PCR test documented in the analysis period. Figure.42

Calculation: condition 1 and condition 2 or 3

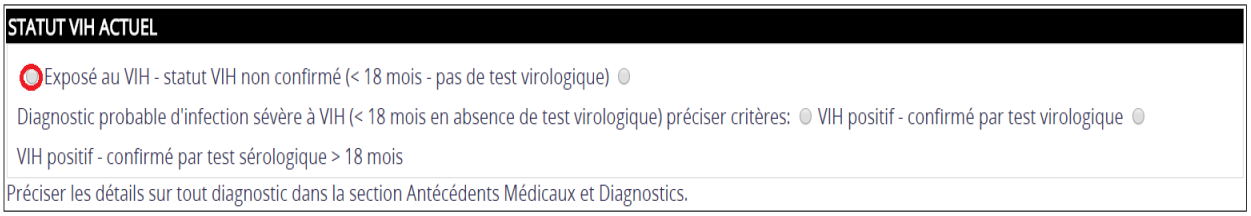


Figure 28

Figure 29

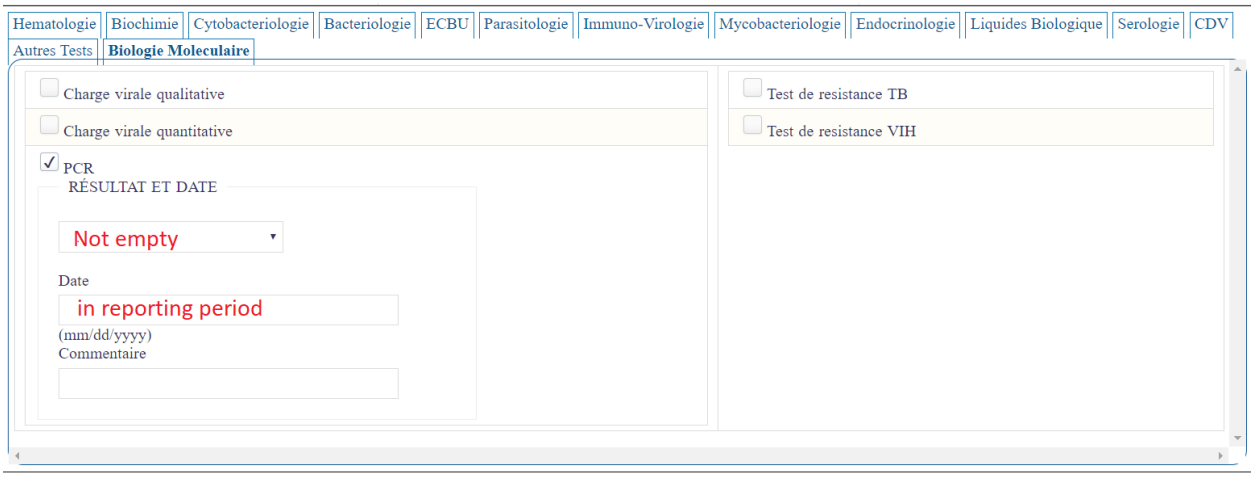


Figure 30

Number of pregnant women seen in first visit after their first trimester

1. The patient must fulfill the conditions to be pregnant

2. Min date first visit form or OBGYN follow-up visit with pre-natal check mark. Figure.39 must be in the estimated period of pregnancy.

3. The RFI date must be> = 3 months from the Min Date determined in Condition 2.

Number of visits of pregnant women received in clinic

Total number of patients with a record of first visit or an OBGYN follow-up visit whose reason for consultation checked is prenatal. Figure.39

Patient with activity after discontinuation

Age at first visit