iSante 17.1 Release Notes

1. Alerts for viral load added

iSante selection criteria	Alert message
• **Patient on ART** • **6 months after ART initiation no viral load done (result not recorded)**	• « Le patient est sous ARV depuis 6 mois sans un résultat de charge virale »
• **Patient pregnant*** • **Patient on ART** • **4 months after ART initiation no viral load done (result not recorded)**	• « La patiente est enceinte, sous ARV depuis 4 mois sans un résultat de charge virale »
• **Patient HIV positive** • **Last recorded viral load is at least 12 months older than current date (visit date)**	• « La dernière charge virale de ce patient remonte à au moins 12 mois. »

• **Patient HIV positive**
• **Viral load result:**
  ○ **> 1000 copies/cc AND**
  ○ **Viral load result date is at least 3 months older than current date (visit date)**
	• « La dernière charge virale de ce patient remonte à au moins 3 mois et le résultat était > 1000 copies/ml »

*We use iSante built in algorithm to determine pregnancy status

Alertes

- Le patient est sous ARV depuis 6 mois sans un résultat de charge virale
- La dernière charge virale de ce patient remonte à au moins 3 mois et le résultat était > 1000 copies/ml
- La dernière charge virale du patient est >1000 copies/ml

Allergies

Pas d'allergies signalées.

Signes Vitaux

Pas de signes vitaux signalés.

Croissance chez les adultes

Date de visite: 17/06/2016 **Taille:** 154 cm **Poids:** 60 kg
IMC: 25.3

Mesure	Classification
IMC	Embonpoint (>= 25 & < 30)
Pb	null

Visites Récentes

Type de visite	Date de visite
Ordonnance médicale	17/08/16
Analyses de laboratoire	13/07/16
Analyses de laboratoire	13/07/16

Figure 1

2. The new viral load report is located as follows: "Rapports ◄Gestion de programme ◄Rapports par etablissement" see figure.2 and figure.3

Indicator	Selection criteria
Number of patients on ART for 6 months without a result of viral load	• Patient on ART • 6 months after ART initiation no viral load done (result not recorded)
Number of pregnant women on ARVs for 4 months without a viral load result	• Patient pregnant* • Patient on ART • 4 months after ART initiation no viral load done (result not recorded)
Number of patients with their last viral load dating back to at least 12 months	• Patient HIV positive • Last recorded viral load is at least 12 months older than current date (visit date)
Number of patients with their last viral load upate was at least 3 months ago and the result was> 1000 copies / ml	• Patient HIV positive • Viral load result: ○ > 1000 copies/cc AND ○ Viral load result date is at least 3 months older than current

	date (visit date)

*We use iSante built in algorithm to determine pregnancy status

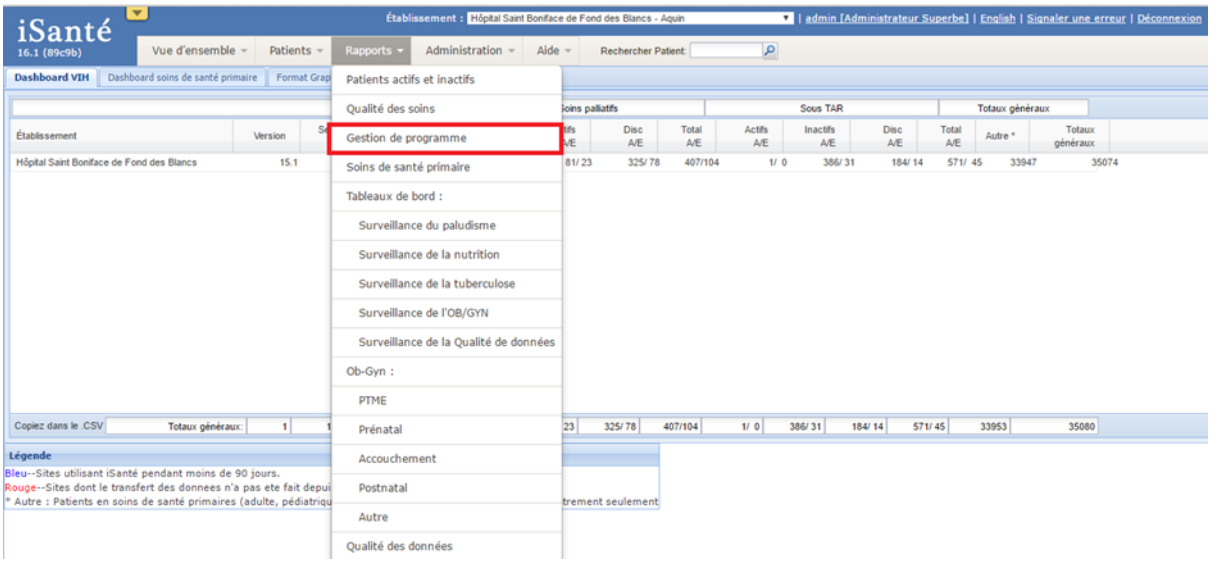

Figure 2

Figure 3

Alerte charge viral

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Date de début: / MM/AA Date de fin: / MM/AA

Alerte	cnt
patients 6 months after ART initiation	731
pregnant woman 4 months after ART initiation	97
patient whose last viral load test was performed 12 months prior	6
patient whose viral test result was greater than 1000 copies and was performed 3 months ago	2
patient with a VL test of >1000 copies	2

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Figure 4

3. New definition for active and inactive patients on HAART
    a. Active
        i. An active patient on ART is a patient who had a clinic visit within the last 90 days or who still uses ARVs pills during the analysis period (date of next prescription in the future)

    b. Inactive
        i. An inactive patient on ART is a patient whose last clinic visit was more than 90 days or who has no more ARV pills during the analysis period (date of last prescription in the past)
4. Optimization of the alert process that caused a slowdown of the system. Now the Alert Renewal algorithm is triggered every 24 hours.
5. Added four new reports (Figure 5 and 6):
    a. List of patients who started an ARV regimen (Figure 6-A, Figure 7)
        i. Method of calculation: minimum date for dispensing ARVs per patient (peofarTable in iSante)
    b. The list of patients whose ARV refill dates are expected within the next 30 days (Figure 6-B, Figure 8)
        i. Use of iSante table (patientDispenses) which includes: (patientID, disp, next_disp). Next dispensing date (next_disp) exceeds the reporting date by at least 30 days.
    c. The list of patients whose ARV refill dates have expired (Figure 6-C, Figure 9)
        i. Use of the table (patientDispenses) which includes: (patientID, disp, next_disp). Next dispense date (next_disp) is less than or equal to the reporting date.
    d. Number of patients receiving ARVs per period (Figure 6-D, Figure 10)
        i. Patient classification by interval of (0-30 days, 31-60 days, 61-90 days, 91-120 days and> 120 days) using the difference between the next dispensing date (next_disp) and the previous dispensing date (Disp).

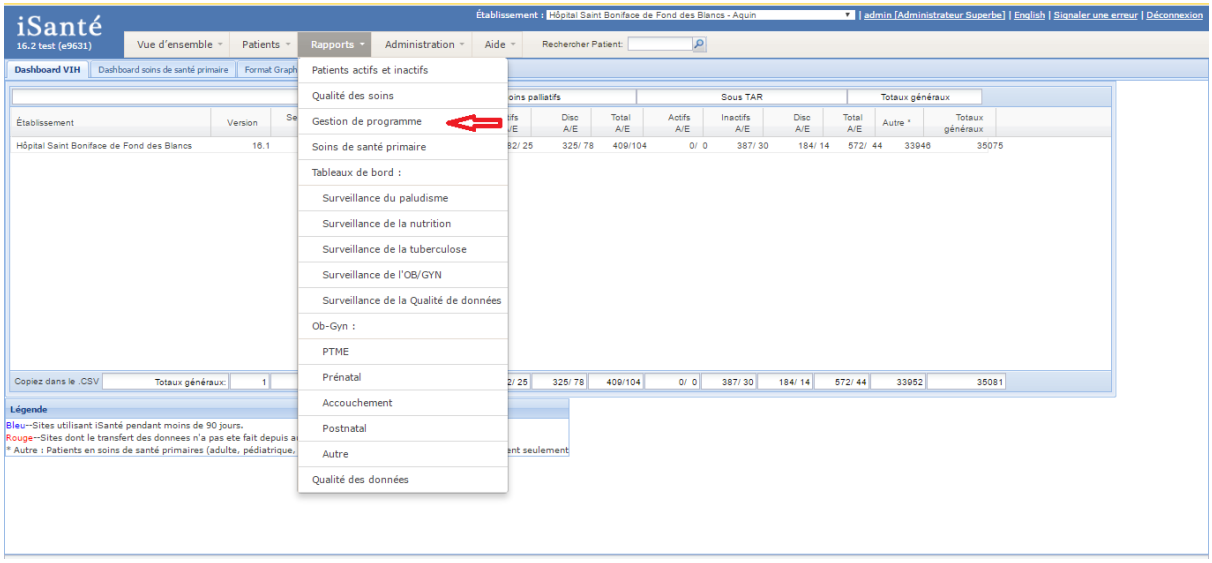

Figure 5

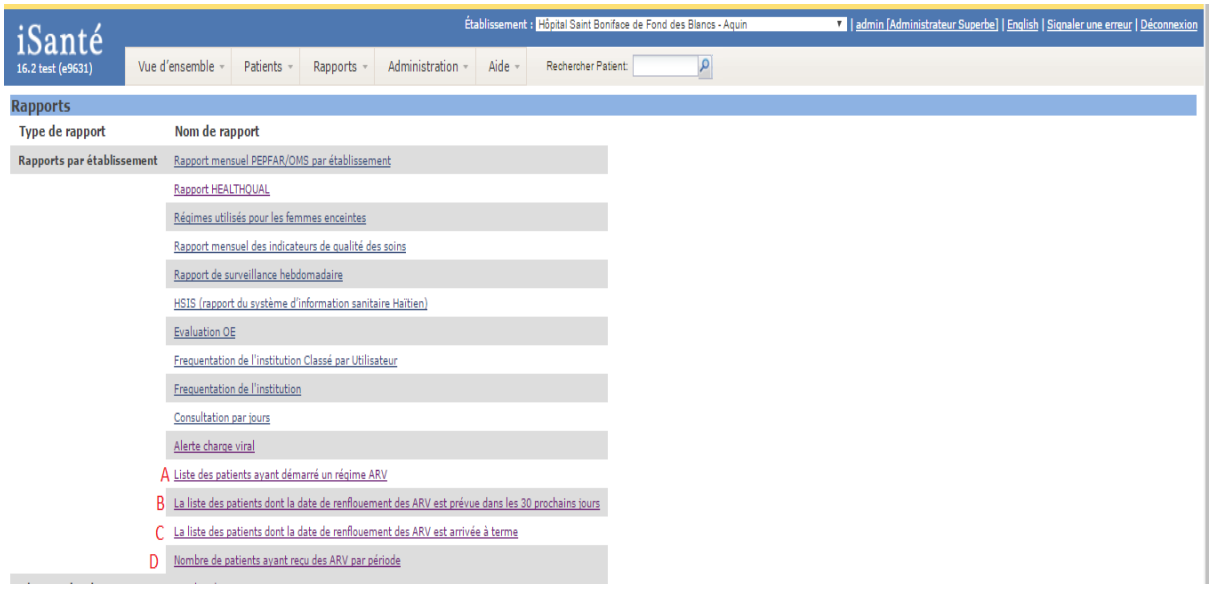

Figure 6

Liste des patients ayant démarré un régime ARV

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Date de début: 01/01 MM/AA

Date de fin: 11/16 MM/AA

Periode : 01-Jan-2001 To 28-Nov-2016

Liste des patients ayant démarré un régime ARV

Date de visite	patientID	Prenom	Nom	Date de naissance
2010-06-16 00:00:00	7310310819	78056250	66503320	1969-06-06
2011-04-21 00:00:00	7310310823	73843195	73388765	1974-02-19
2008-04-15 00:00:00	7310310840	90783056	37360359	1972-XX-XX
2009-10-23 00:00:00	7310310853	83079352	92935235	1961-01-06
2008-09-23 00:00:00	7310310885	44724097	82501560	1949-09-07
2011-04-19 00:00:00	7310310902	34990008	58513856	1959-04-XX
2008-04-24 00:00:00	7310311023	69943787	06689921	1971-04-17
2008-03-13 00:00:00	7310311053	56031238	03410054	1997-XX-XX
2008-09-04 00:00:00	7310311058	43206458	92257921	2006-05-27
2010-07-30 00:00:00	7310311060	45055714	23482675	1960-11-XX
2008-06-03 00:00:00	7310311064	63019367	90289151	1970-12-20
2008-09-11 00:00:00	7310311066	04758574	62339354	1986-XX-XX
2011-06-21 00:00:00	7310311072	43621451	06803003	2004-11-04
2011-02-09 00:00:00	7310311074	42774880	06527017	1966-07-16
2009-05-04 00:00:00	7310311081	45273217	68645106	1974-01-15
2012-11-16 00:00:00	7310311085	19815722	30715497	1975-06-15
2008-05-28 00:00:00	7310311100	41185781	21166616	1969-05-19
2009-10-28 00:00:00	7310311114	78795361	49783223	1954-11-04
2012-12-05 00:00:00	7310311119	83851980	76043981	1961-05-04
2010-01-25 00:00:00	7310311121	31694878	09480786	1963-XX-XX
2009-10-29 00:00:00	7310311124	19741123	77896188	2002-01-10
2010-02-26 00:00:00	7310311129	90121550	46441456	1963-XX-XX
2010-01-22 00:00:00	7310311155	97300562	30545080	1963-12-19
2008-10-13 00:00:00	7310311167	25713249	31051162	1967-xx-xx
2010-01-21 00:00:00	7310311172	25355252	82752811	1972-07-30

Figure 7

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Date de début: / MM/AA

Date de fin: / MM/AA

La liste des patients dont la date de renflouement des ARV est prévue dans les 30 prochains jours

patientID	Prenom	Nom	Date de naissance	Date de dispensation
7310310819	78056250	66503320	1969-06-06	2011-06-10
7310310823	73843195	73388765	1974-02-19	2014-08-25
7310310840	90783056	37360359	1972-XX-XX	2008-04-30
7310310853	83079352	92935235	1961-01-06	2010-09-02
7310310885	44724097	82501560	1949-09-07	2014-07-14
7310310902	34990008	58513856	1959-04-XX	2014-09-01
7310311023	69943787	06689921	1971-04-17	2014-07-21
7310311053	56031238	03410054	1997-XX-XX	2008-03-27
7310311058	43206458	92257921	2006-05-27	2014-09-02
7310311060	45055714	23482675	1960-11-XX	2014-07-09
7310311064	63019367	90289151	1970-12-20	2013-08-23
7310311066	04758574	62339354	1986-XX-XX	2011-03-31
7310311072	43621451	06803003	2004-11-04	2013-08-23
7310311074	42774880	06527017	1966-07-16	2014-09-25
7310311081	45273217	68645106	1974-01-15	2009-08-17
7310311085	19815722	30715497	1975-06-15	2014-04-25
7310311100	41185781	21166616	1969-05-19	2014-07-30
7310311114	78795361	49783223	1954-11-04	2014-06-23
7310311119	83851980	76043981	1961-05-04	2014-07-23
7310311121	31694878	09480786	1963-XX-XX	2014-07-09
7310311124	19741123	77896188	2002-01-10	2014-07-21
7310311129	90121550	46441456	1963-XX-XX	2013-10-25
7310311155	97300562	30545080	1963-12-19	2010-09-28

Figure 8

La liste des patients dont la date de renflouement des ARV est arrivée à terme

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Date de début: / MM/AA

Date de fin: / MM/AA

La liste des patients dont la date de renflouement des ARV est arrivée à terme

patientID	Prenom	Nom	Date de naissance	Date de dispensation
7310310819	78056250	66503320	1969-06-06	2011-06-10
7310310823	73843195	73388765	1974-02-19	2014-08-25
7310310840	90783056	37360359	1972-XX-XX	2008-04-30
7310310853	83079352	92935235	1961-01-06	2010-09-02
7310310885	44724097	82501560	1949-09-07	2014-07-14
7310310902	34990008	58513856	1959-04-XX	2014-09-01
7310311023	69943787	06689921	1971-04-17	2014-07-21
7310311053	56031238	03410054	1997-XX-XX	2008-03-27
7310311058	43206458	92257921	2006-05-27	2014-09-02
7310311060	45055714	23482675	1960-11-XX	2014-07-09
7310311064	63019367	90289151	1970-12-20	2013-08-23
7310311066	04758574	62339354	1986-XX-XX	2011-03-31
7310311072	43621451	06803003	2004-11-04	2013-08-23
7310311074	42774880	06527017	1966-07-16	2014-09-25
7310311081	45273217	68645106	1974-01-15	2009-08-17
7310311085	19815722	30715497	1975-06-15	2014-04-25
7310311100	41185781	21166616	1969-05-19	2014-07-30
7310311114	78795361	49783223	1954-11-04	2014-06-23
7310311119	83851980	76043981	1961-05-04	2014-07-23
7310311121	31694878	09480786	1963-XX-XX	2014-07-09
7310311124	19741123	77896188	2002-01-10	2014-07-21
7310311129	90121550	46441456	1963-XX-XX	2013-10-25
7310311155	97300562	30545080	1963-12-19	2010-09-28
7310311167	25713249	31051162	1967-xx-xx	2014-04-15

Figure 9

Nombre de patients ayant reçu des ARV par période

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Date de début: 01/01 MM/AA

Date de fin: 11/16 MM/AA

Periode : 01-Jan-2001 To 28-Nov-2016

Nombre de patients ayant reçu des ARV par période

0-30 jours	31-60 jours	61-90 jours	91-120 jours	>120 jours	Unique Patient
703	631	401	50	19	720

Clickable

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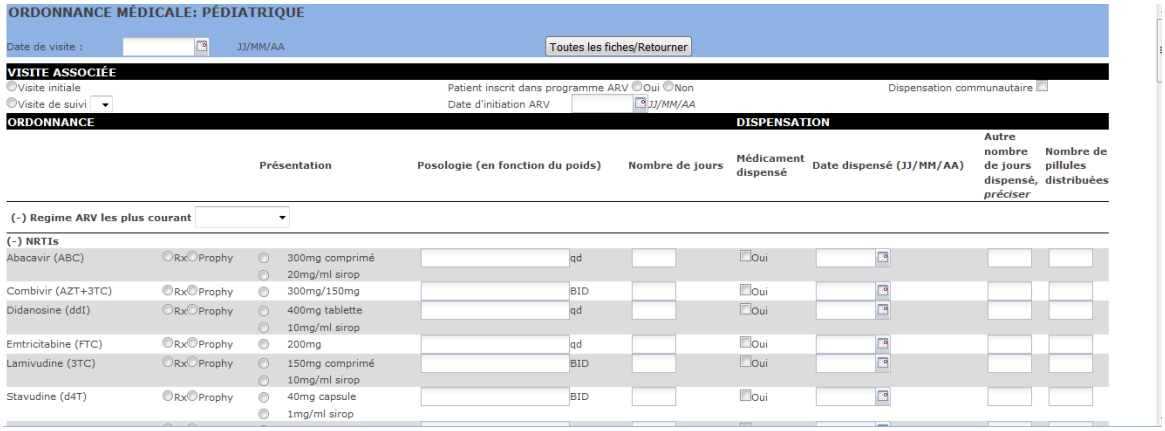
Figure 10

6. Added new alerts (These alerts are not found on the consolidate server):
    a. Alert 1. Any patient whose next dispensation date (next_disp) arrives within 30 days of the current consultation date. Text: The patient must come to replenish his ARVs within the next 30 days.
    b. Alert 2. Any patient whose next dispensation date (next_disp) is in the past from the current consultation date. Text: patient no longer has medications available.

7. Added a checkbox for Community dispensation in prescription form (Figure.11)



ORDONNANCE MÉDICALE: PÉDIATRIQUE

Date de visite : JJ/MM/AA Toutes les fiches/Retourner

VISITE ASSOCIÉE

Visite initiale
Visite de suivi
Patient inscrit dans programme ARV Oui Non
Date d'initiation ARV JJ/MM/AA
Dispensation communautaire

ORDONNANCE					DISPENSATION			
		Présentation	Posologie (en fonction du poids)	Nombre de jours	Médicament dispensé	Date dispensé (JJ/MM/AA)	Autre nombre de jours dispensé, *préciser*	Nombre de pillules distribuées
(-) Regime ARV les plus courant								
(-) NRTIs								
Abacavir (ABC)	Rx Prophy	300mg comprimé 20mg/ml sirop	qd		Oui			
Combivir (AZT+3TC)	Rx Prophy	300mg/150mg	BID		Oui			
Didanosine (ddI)	Rx Prophy	400mg tablette 10mg/ml sirop	qd		Oui			
Emtricitabine (FTC)	Rx Prophy	200mg	qd		Oui			
Lamivudine (3TC)	Rx Prophy	150mg comprimé 10mg/ml sirop	BID		Oui			
Stavudine (d4T)	Rx Prophy	40mg capsule 1mg/ml sirop	BID		Oui			

Figure 11

8. Added the field for the phone number in the scheduled appointment reports in the next 7 and 14 days.