

VOXIVA™



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www.voxiva.net

VOXIVA™

THE POWER OF THE INTERNET, THE REACH OF THE PHONE

- 
- There are over 3.5 billion mobile phones in the world.

- 2.5 billion of them are in the developing world.

- 3 million new phones are sold every day (2084 per min).

- By 2010, 90% of Africa's population will be covered by the mobile network.

- "The explosive spread of mobile phone networks across the developing world has created a unique opportunity to significantly transform how countries can tackle global health challenges."

- Dr. Howard Zucker, Assistant Director-General, WHO



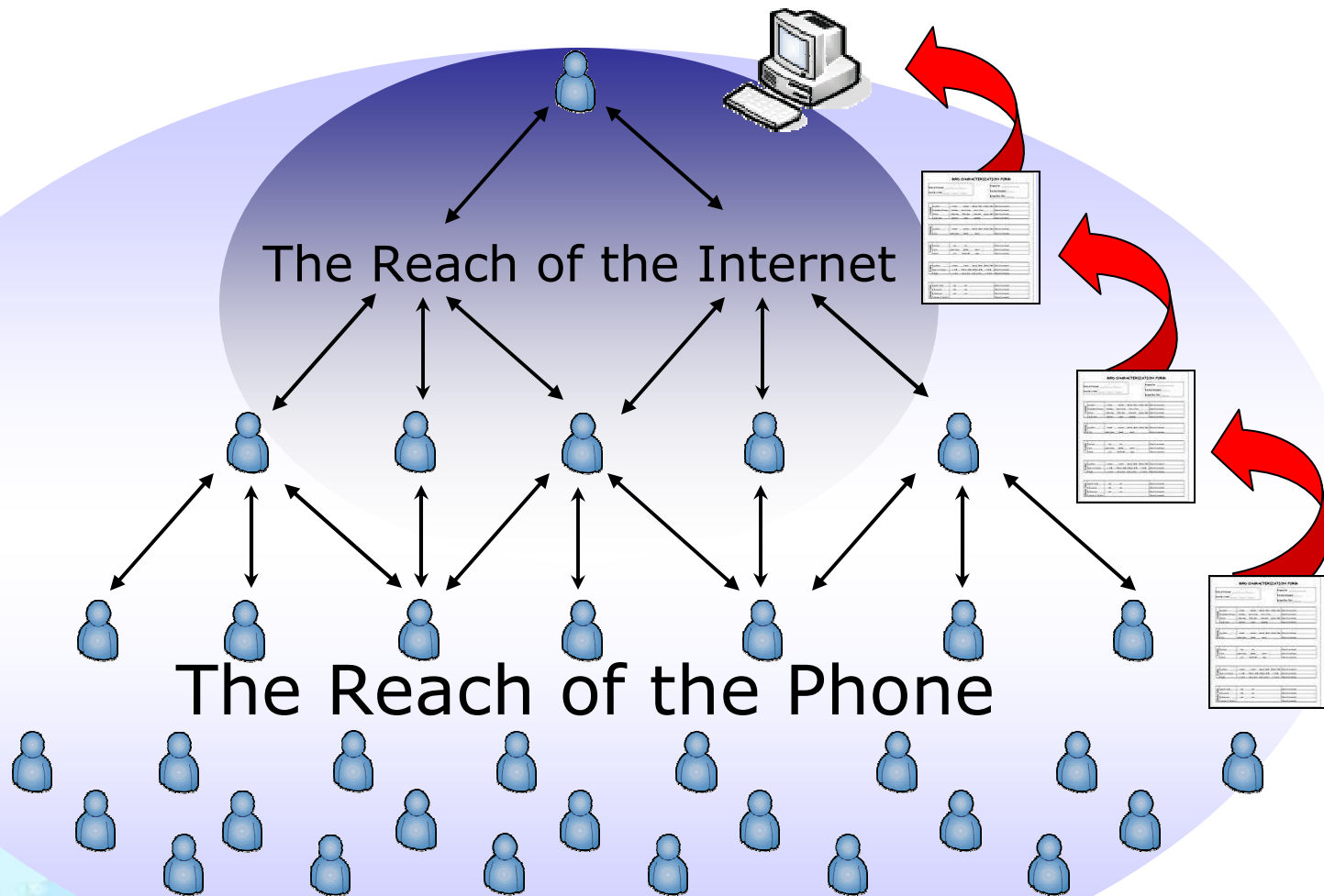
Summary

- Leading provider of mobile centric information solutions.
- Voxiva solutions allow clients to:
 - Collect data from the field in real time
 - Analyze data to make informed decisions
 - Communicate and transact with distributed staff, clients, partners.
- Focus Sector:
 - Health
 - Public Sector
 - Enterprise
- Flexible platform for rapid development and deployment of new solutions.
- Integrated service provider model in partnership with mobile operators.

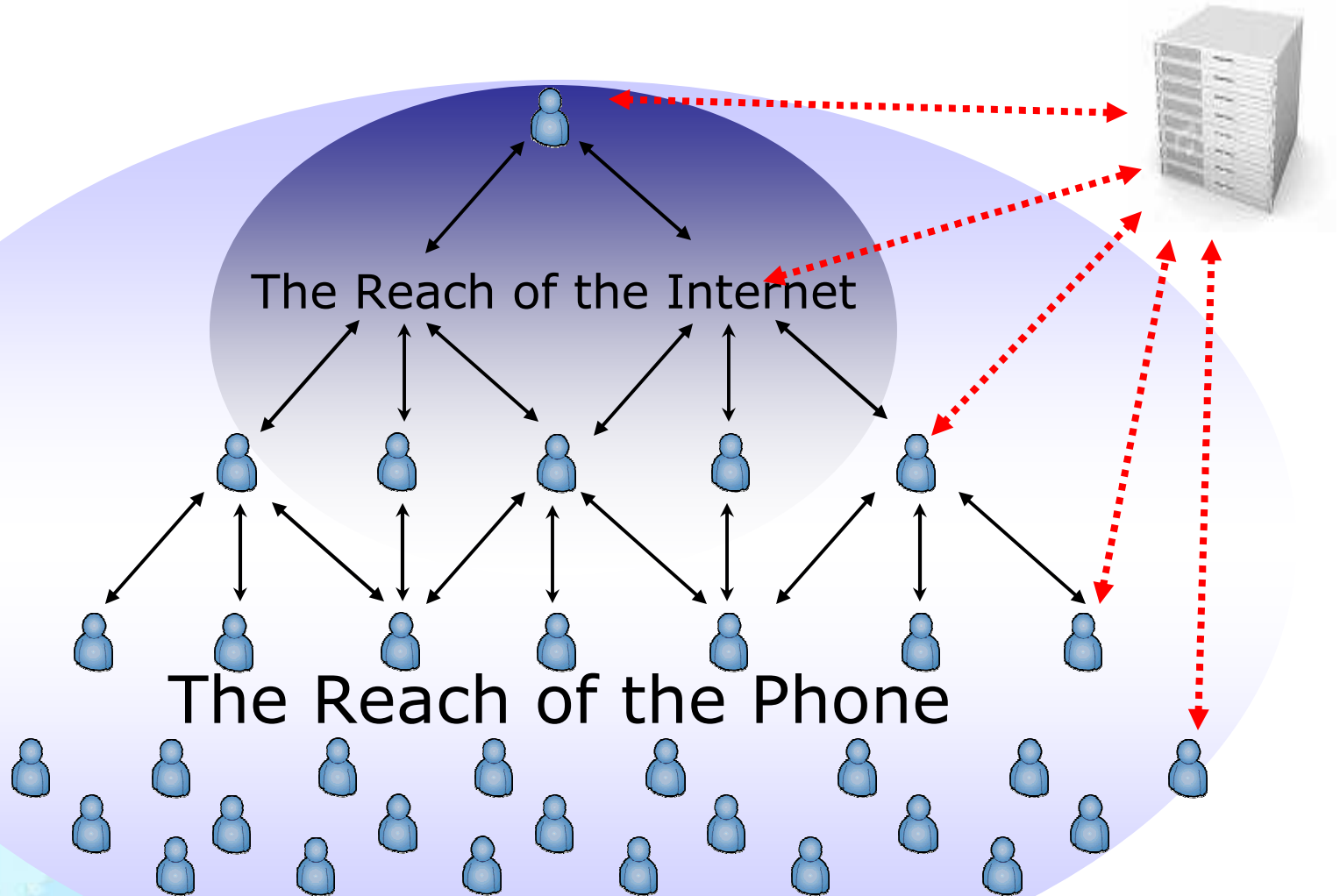
Voxiva's Presence



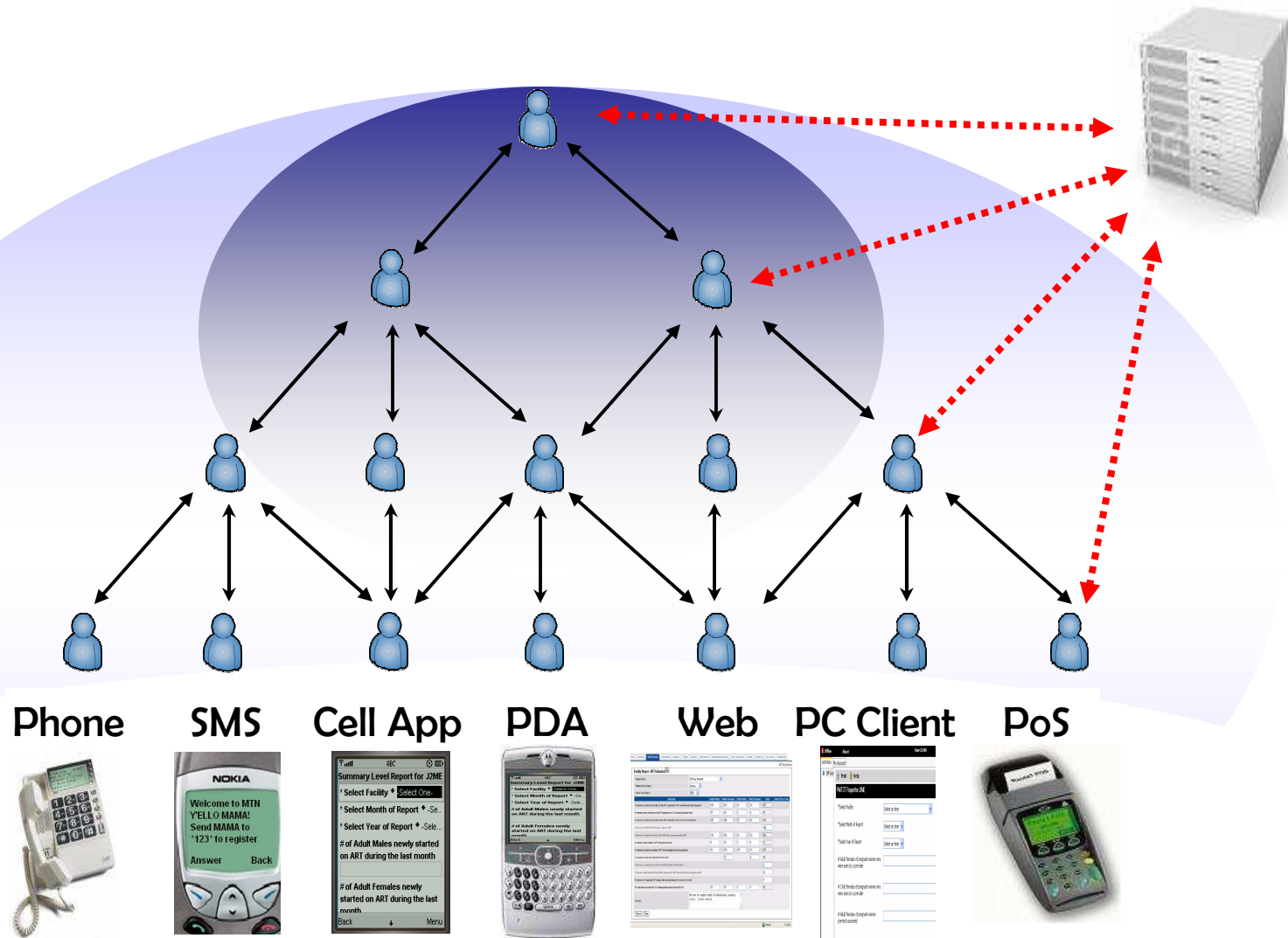
The Problem We Solve



The Problem We Solve: **Collect & Communicate**

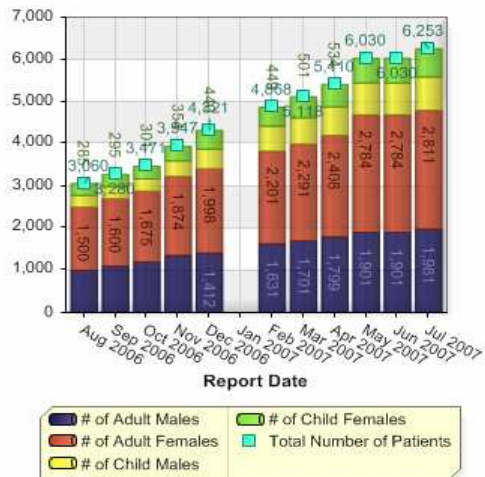


The Problem We Solve: Multiple Devices





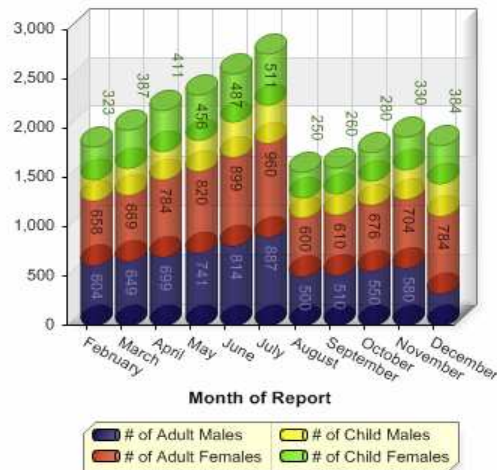
People cumulatively enrolled in ART since the program started



[View Data](#)

[View Definition](#)

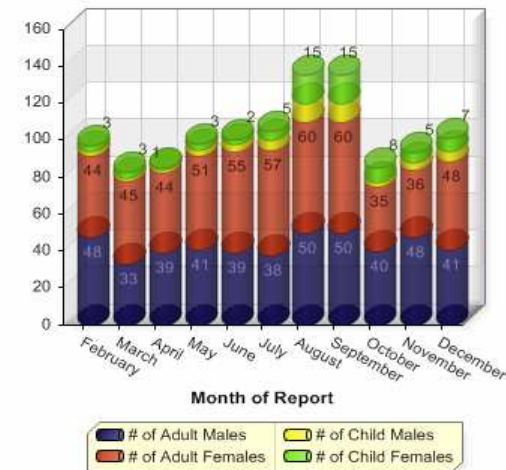
People cumulatively enrolled in ART before this report period



[View Data](#)

[View Definition](#)

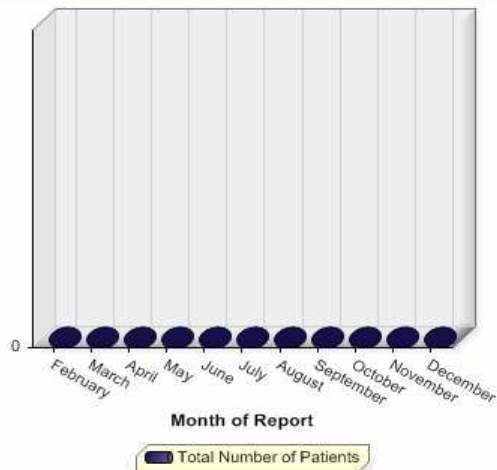
People newly enrolled in ART during this last month



[View Data](#)

[View Definition](#)

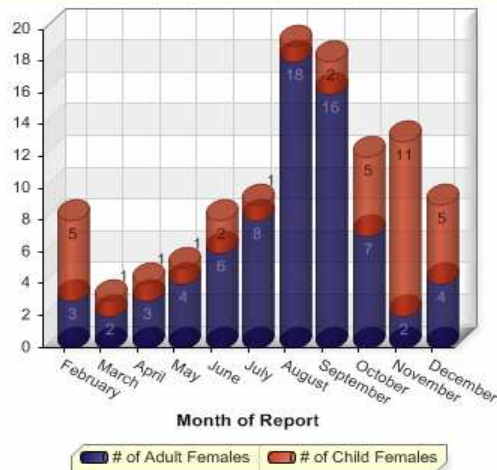
People eligible but yet to commence ART



[View Data](#)

[View Definition](#)

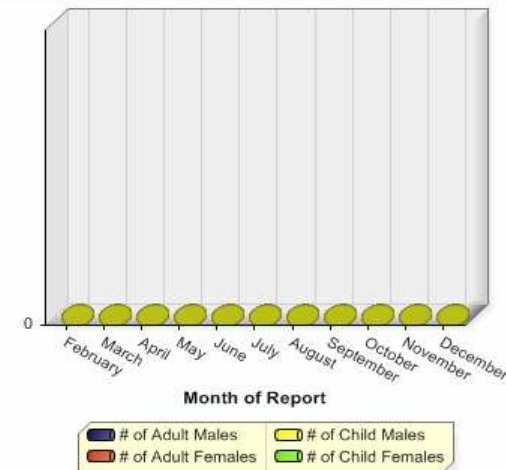
Pregnant women who initiated ARV this month



[View Data](#)

[View Definition](#)

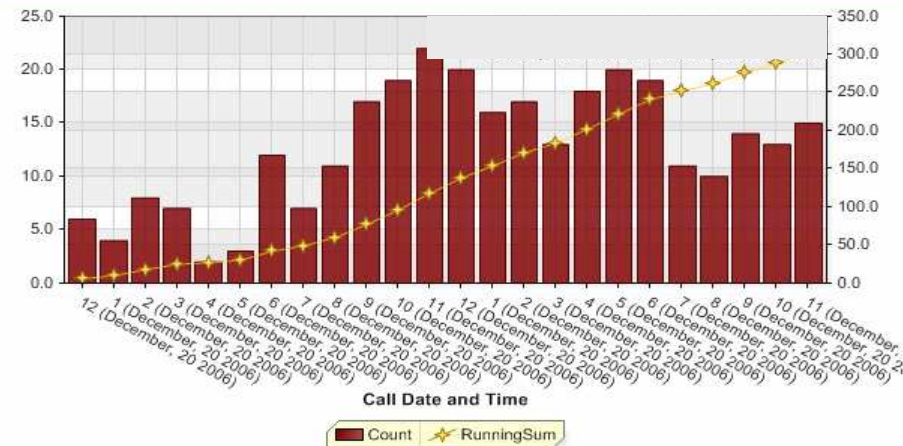
People provided with HIV-related palliative care inc TB/ HIV



[View Data](#)

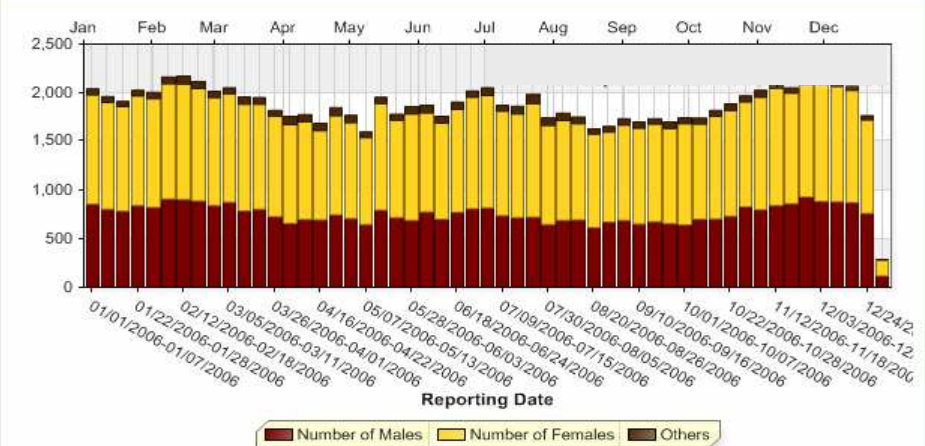
[View Definition](#)

Number of Calls to HealthLink (Today)



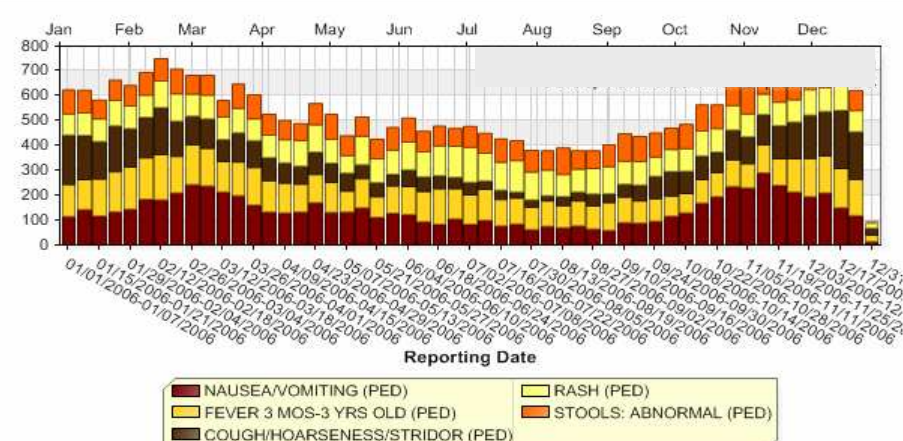
<http://www.dotnetcharting.com>
View Data View Definition

Total Calls to Health Link per day split by sex (2006) - Aggregated



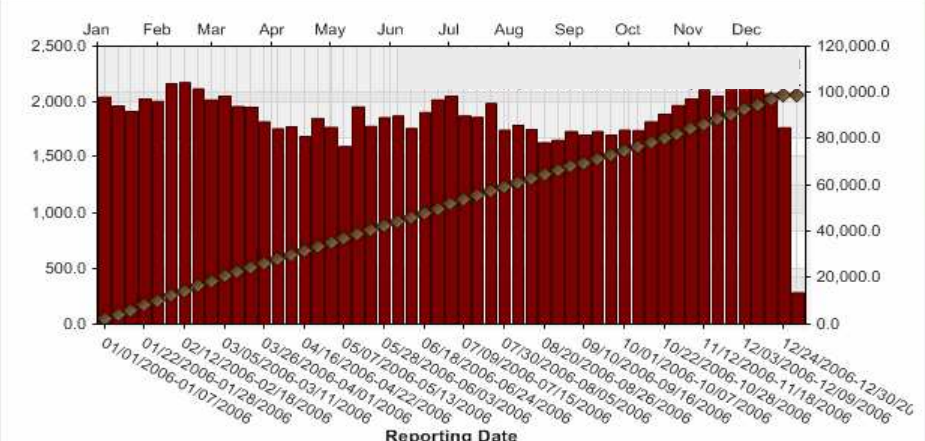
<http://www.dotnetcharting.com>
View Data View Definition

Top 5 Chief Complaints (2006) - Aggregated



<http://www.dotnetcharting.com>
View Data View Definition

Total Calls to Health Link per day (2006) - Aggregated



<http://www.dotnetcharting.com>
View Data View Definition

- Analytics
- Charts
 - HEALTH LINK CHARTS
 - Protocol
 - Syndrome
 - Health Concern
 - Syndrome (Protocol detail)
 - Health Concern (Protocol detail)
 - LABORATORIES CHARTS
 - EMERGENCY DEPARTMENT CHARTS
 - SCHOOLS CHARTS
 - COMBINED DATA SOURCE CHARTS
 - CHARTS FROM AGGREGATED DATABASE
 - Dashboards

Preference: Select **Fever Pattern by Sex, by quarter (last 365 days)** Save Delete Filter Chart

Filters:

Call Date (mm/dd/yyyy)
 From: 01/22/2007 To: 01/21/2008 Period: Last 365 days

Other Filters: Call Time In (hhmm) = Sex: All Disposition: Select

Protocol: FEVER RHA: Select FSA: Select

PHSA: Select Community: Select Municipality: Select

Date of Birth (mm/dd/yyyy)
 From: To: Period: All

ARTSSN Age: Select Stat Can Age: Select Category: Select

Search Clear

Chart Definition: Chart Type: Combo Normal Aspect: 2D Palette: Three Show Legend Advanced

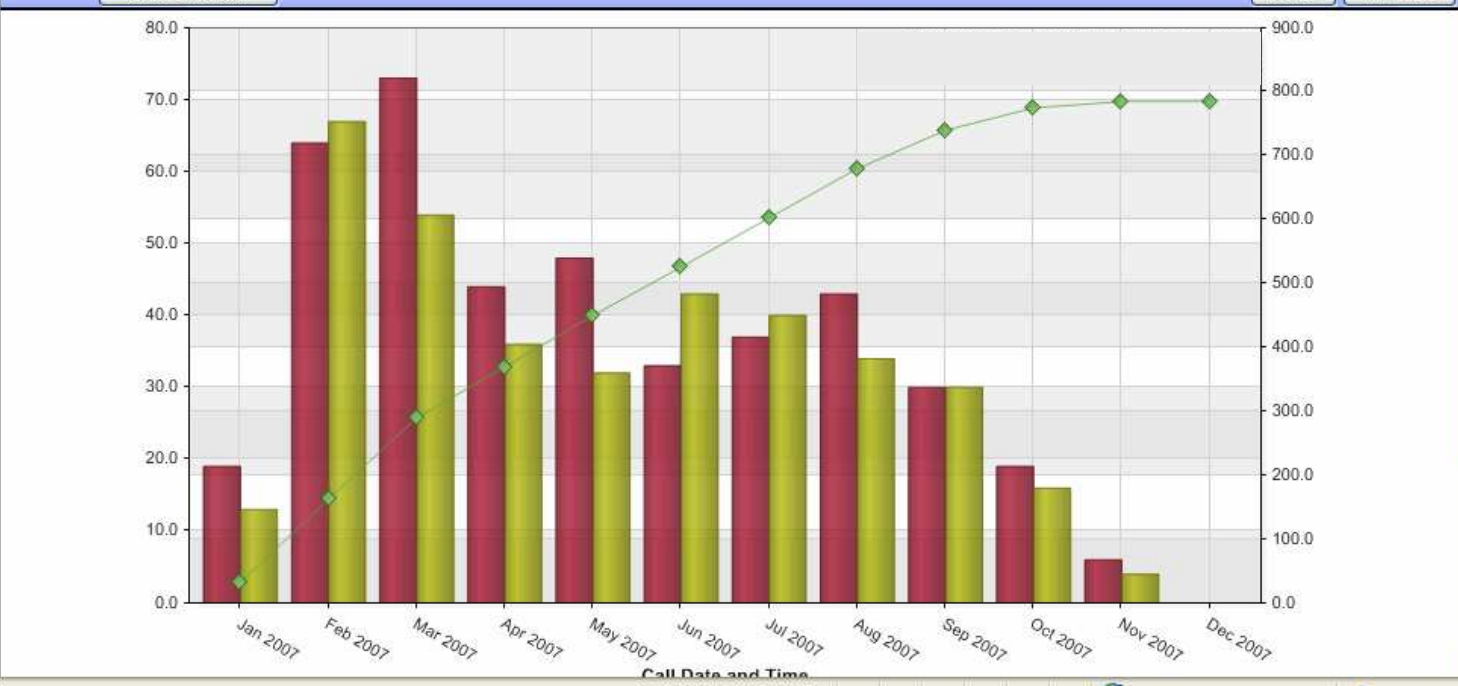
X - Axis: Call Date and Time Grouped by: Month Numeric Range: Select Limit: All Show Other

and Calculate: Average Mode Median Min Max Sum

Y - Axis: Calculate an additional Series for the: Running Sum Type: Line In: Front

Series 1: Count Select a column to graph Split by: Sex All Show Other

Add New Series Refresh View Data



Maps <<

- HealthLink Maps
- Emergency Department Maps
- Lab Results Maps

HealthLink Maps

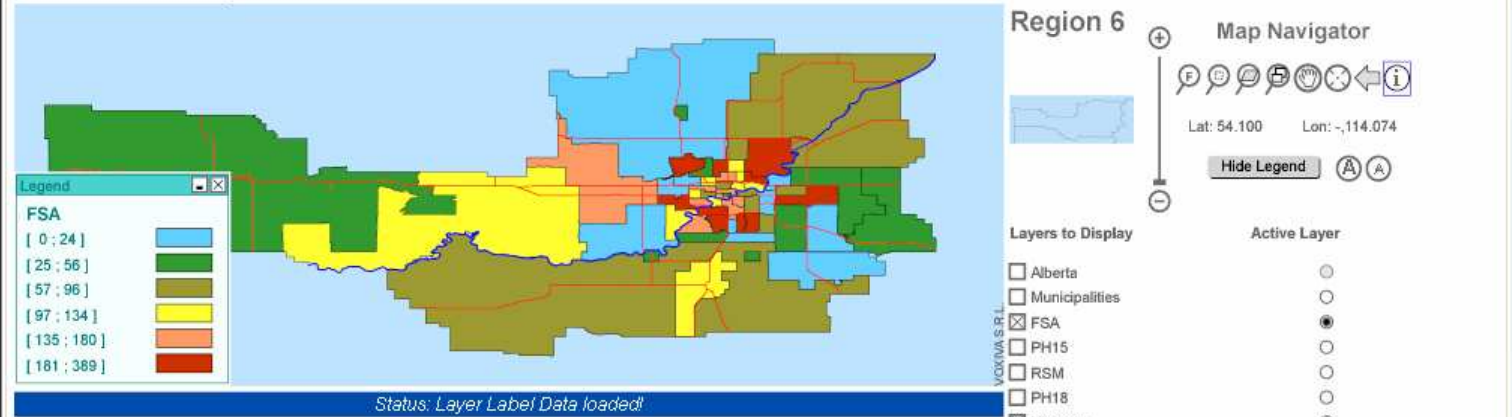
Preference: Select Save X Delete

Filters

Call Date (mm/dd/yyyy)
 From : To :
 Protocol : Syndrome :
 Disposition : Gender :
 Stat Can Age Category :
 Period :
 Health Concern :
 ARTSSN Age Category :

Map Definition

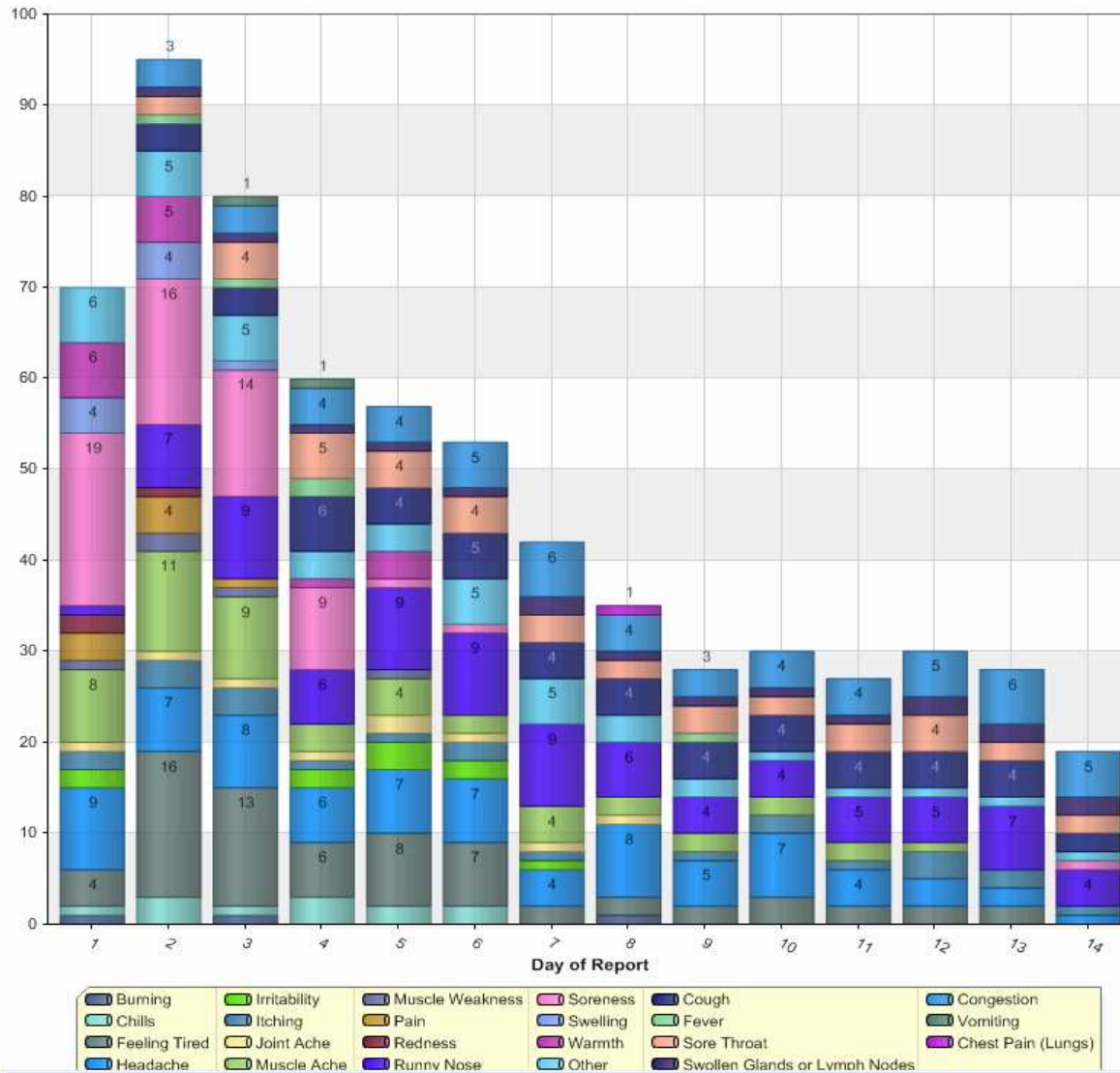
MapStyle: Point Thematic
 Measurement: Count Rate Both
 Labels: Names Values Both
 Give 0(zero) Its own color
 Base Unit:
 Split by Gender



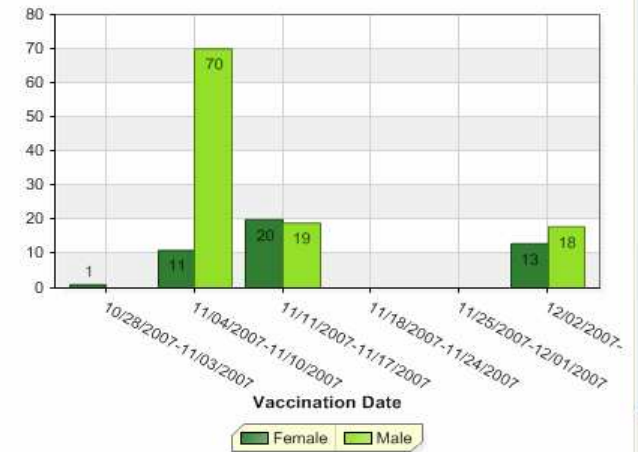
If you cannot see the above map, click here to download Adobe SWF Viewer (Version 2.02 or above required)



Symptoms Reported by Days Post Vaccination (Influenza Injected)



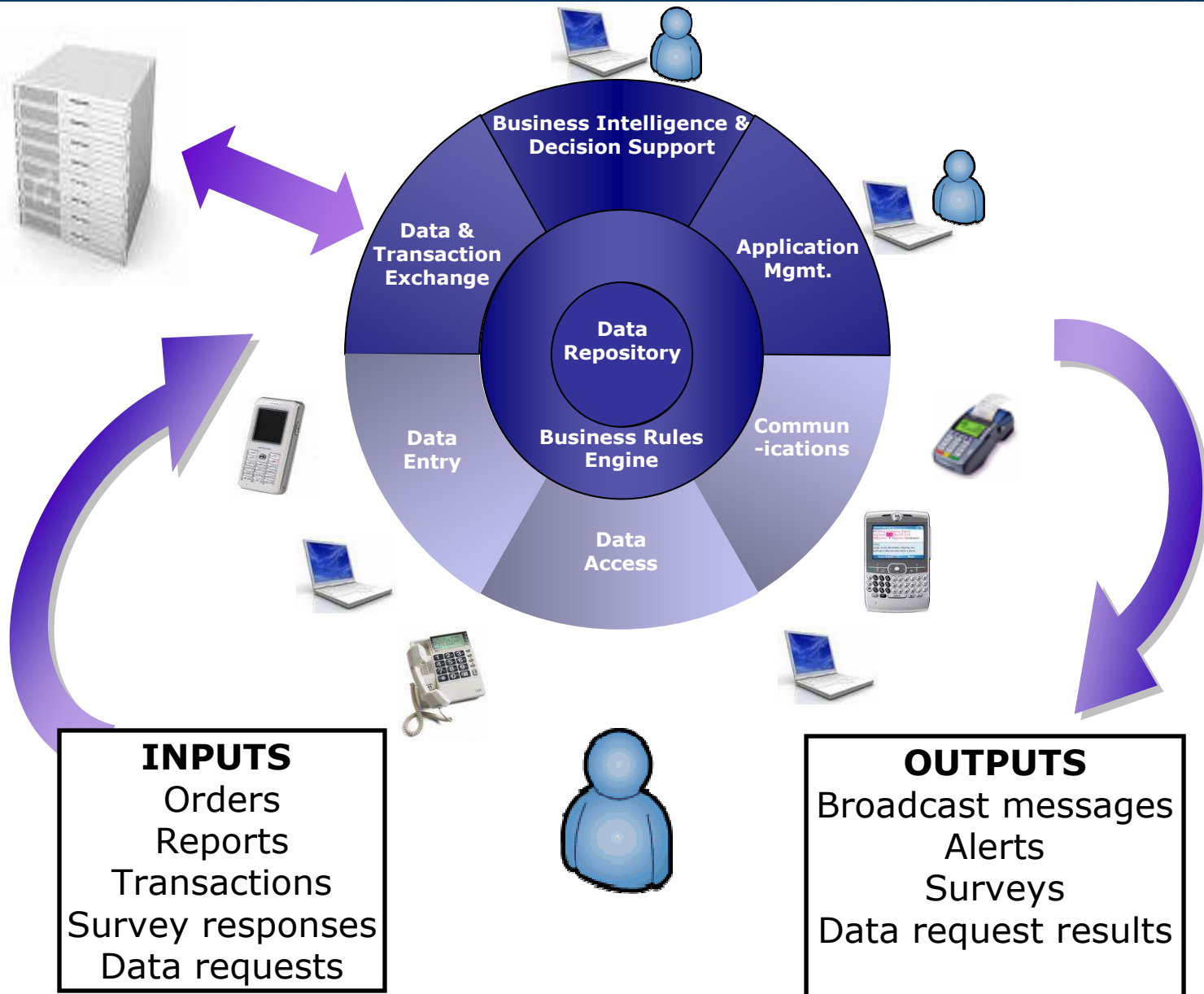
of Vaccinations Reported by Week and by Gender (Influenza-Injected)



[View Data](#)

[View Definition](#)

Our Architecture



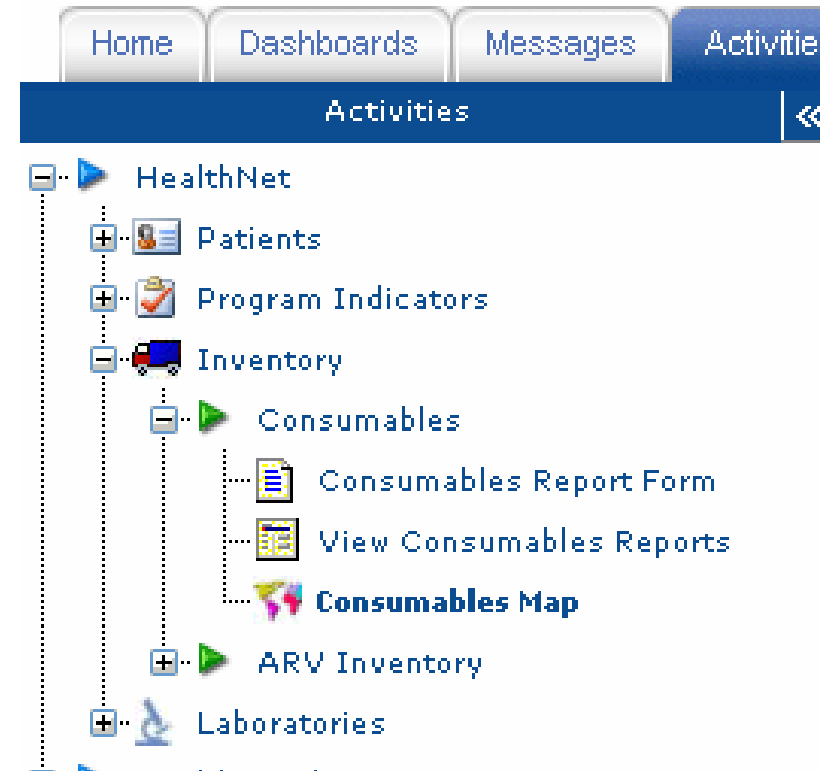
Health Solutions

Segment	Case Studies
Health Watch: Disease Surveillance	Peru Colombia Alberta, Canada India Ecuador Panama San Diego Washington, DC
HealthNet: Health Program Management	Rwanda Nigeria Peru Tanzania Kenya
CareNet: Patient Monitoring & Support	US Peru India Kenya Mexico

TRACnet

Initial Launch: January 2005
System has four core modules:

- **Patients**
 - Patient Registry
 - Longitudinal Patient Record
- **Program Indicators**
 - Routine Reporting (patient numbers, KPIs...)
 - Analytics and management views
- **Inventory**
 - Stock-level reporting
 - Stock-out and shortage alerts
- **Laboratories**
 - Lab result reporting and access from the field.
- Today, all health facilities reporting. (>90% using mobiles)



Submit ART Indicators - Windows Internet Explorer

http://devapp001.voxiva.net/tracnet/core/modules/FormView/web/ShowFormView.aspx?menukey=23

File Edit View Favorites Tools Help

Google G Go D W YouTube M Bookmarks 206 blocked Check AutoLink AutoFill Send to Settings

Submit ART Indicators

Ministere de la Sante Treatment and Research AIDS Center Logout

Home Program Summary Geographic Dashboards Data Quality Facilities Organizations Activities Messages My Account Administration

Activities Print this form

HIV/AIDS

- Patients on ART
 - Register a Patient
 - View Patients
 - Chart Patient Data
 - Import Patient Data
- Patients in Care & Treatment
 - Register a Patient
 - View Patients
 - Chart Patient Data
 - Import Registered Patients
 - Update Patient Care & Treatment Data
 - View Care & Treatment Data
 - Chart Care & Treatment Data
 - Import Care & Treatment Updates
- ART Program Indicators
 - Submit ART Indicators**
 - View ART Indicators
 - Chart ART Indicators
 - Import ART Indicators
- PMTCT Indicators
- VCT Indicators
- Laboratories
- ARV Inventory

Program Indicator

1. * Facility	Ministry of Health
2. * Month	[Select]
3. * Year	[Select]
4. Total number of pediatric patients (under age 15) who are currently on ARV treatment?	
4.1. Total number of male pediatric patients who are on First Line Regimen?	
4.2. Total number of female pediatric patients who are on First Line Regimen?	
4.3. Total number of male pediatric patients who are on Second Line Regimen?	
4.4. Total number of female pediatric patients who are on Second Line Regimen?	
5. Total number of adult patients (age 15 or older) who are currently on ARV treatment?	
5.1. Total number of male adult patients who are on First Line Regimen?	
5.2. Total number of female adult patients who are on First Line Regimen?	
5.3. Total number of male adult patients who are on Second Line Regimen?	
5.4. Total number of female adult patients who are on Second Line Regimen?	
6. Number of new pediatric patients (under age 15) starting ARV treatment this month?	
6.1. Number of new pediatric patients who are WHO stage 4 this month?	
6.2. Number of new pediatric patients who are WHO Stage 3 this month?	
6.3. Number of new pediatric patients who are WHO Stage 2 this month?	

Internet 100% 9:24 PM

Rwanda Case Study: Patient Registry & Longitudinal Record

Home Dashboards Messages **Activities** My Account Administration

Preference: Select [Select] Save Remove

Filters :

Under treatment: All Gender: All Facility:

Area: Select Other Filters: Patient ID =

Treatment Start Date (dd/MM/yyyy)

From: To:

Date of Report (dd/MM/yyyy)

From: To:

Period: All

Period: All

Search

Export Columns

SAMPLE DATA

6794 Record(s), showing 50 per page First | Previous 1 of 136

Patient ID	Gender	Year Of Birth	WHO Stage	Under treatment	Treatment start date	Treatment Regimen	Date Of Last Test	Type of test	Test Result	Update Date	Additional Information	Update by Name	Facility Name	Geographic Area	CD4 Chart	Weight Chart
400111	Female	1955	Stage 3	No			01/06/2006	CD4	250	30/05/2006 03:05		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400110	Female	1962	Stage 3	Yes	29/05/2005	D4T + 3TC + NVP				30/05/2006 03:02		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400108	Female	1963	Stage 2	Yes	29/05/2005	D4T + 3TC + NVP				30/05/2006 02:58		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400107	Female	1968	Stage 1	No						30/05/2006 02:54		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400106	Female	1952	Stage 3	Yes	26/06/2005	D4T + 3TC + NVP				30/05/2006 02:51		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400105	Female	1978	Stage 1	No						30/05/2006 02:47		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		
400104	Female	1975	Stage 2	No						30/05/2006 02:42		Lambert, KABAGABO	Ruhango Health Center	RUHANGO		

start | 2 Microsoft ... | Inbox - Micro... | screenshots ... | 2 Internet E... | 2 Microsoft ... | Microsoft Po... | Type to search

Program Summary - FR - Windows Internet Explorer

http://devapp001.voxiva.net/TRACnet/core/modules/pagelayout/web/showpage.aspx?menukey=515

Program Summaries | Geographic Dashboard | Activités | Mon Compte | Messages | Administration

y - FR | Care and Treatment/ART Dashboard | Monthly Indicator Reports | Drug Supplies - FR | Data Quality - FR

Factors

EURS	Mois Précédent	Année Jusqu'ici (M/F)	Programme Jusqu'ici
Patients suivant traitement	2043	2043*	2043*
Nouveaux patients mençant un	86	464	3267
Patients adultes en traitement	23711	23711*	23711*
Nouveaux patients venant un	825	4273	146

	M	F	M	F	
Patients ARV dont	20	41	106	172	855
Patients ARV	139	170	175	4152	6360
Patients ARV	90	17	28	284	1156
Patients ARV qui	2	24	131	25	901
Patients inscrits	4702	8609	2151	4073	138252
Patients recevant	535	8	25	3875	16410
2nd Line	684	161	139	859	4448
Patients recevant	167		1275		5644
Patients qui ont	694		3646		27713

Patients on ARV by Age and By Gender

Sum

- Total Male Pediatric Patients Currently on ARVs - fr
- Total Female Pediatric Patients Currently on ARVs - fr
- Total Male Adult Patients Currently on ARVs - fr
- Total Female Adult Patients Currently on ARVs - fr

Facilities Offering HIV/AIDS Services

Legende

- Tous les services VIH
- Tous les services VIH à l'exception des ART

Si vous ne pouvez pas visualiser la carte ci-dessus, cliquez ici pour télécharger l'Adobe SVG Viewer (la version 3.02 est le minimum exigé)



TRACnet



Ministry of Health
Ministere de la Sante

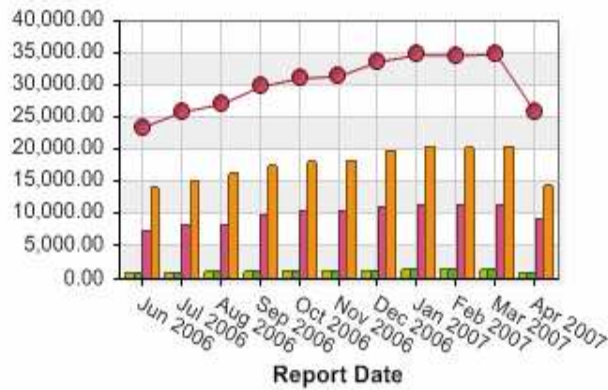
TRAC

Treatment and Research AIDS Center

- Home
- Program Summaries
- Geographic Dashboards
- Activities
- My Account
- Messages
- Administration

- National Dashboard
- Regional Dashboard
- District Dashboard
- Facility Dashboard

Patients on ARV by Age and By Gender

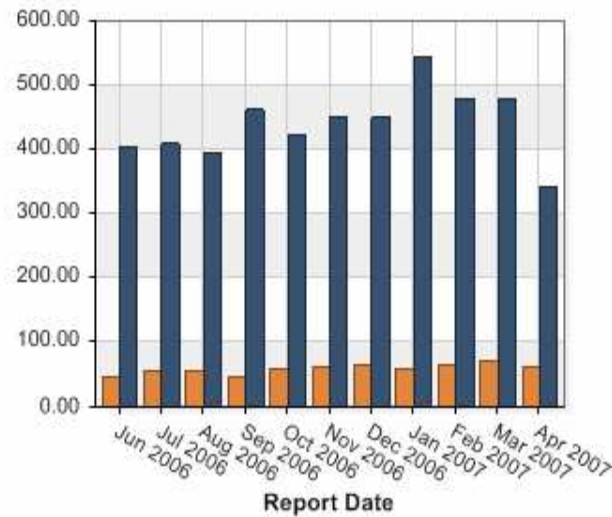


- Sum
- Total Male Pediatric Patients Currently on ARVs
- Total Female Pediatric Patients Currently on ARVs
- Total Male Adult Patients Currently on ARVs
- Total Female Adult Patients Currently on ARVs

[View Data](#)

[View Definition](#)

Hospitalizations and Treatment Interruptions for ARV Patients

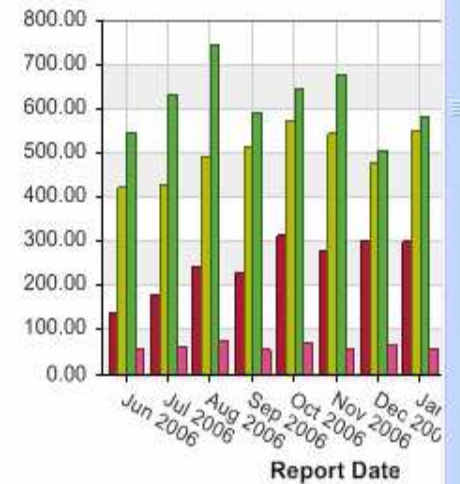


- Treatment Interrupted
- Hospitalized

[View Data](#)

[View Definition](#)

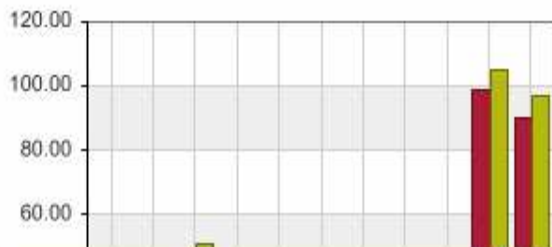
WHO Stage Distribution



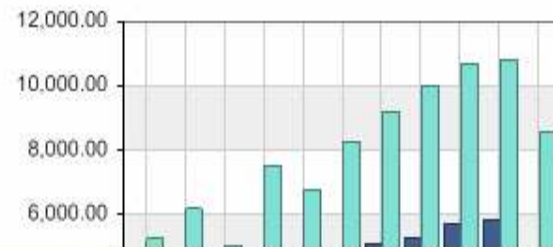
- Patients at WHO Stage 1
- Patients at WHO Stage 2
- Other Patients

[View Data](#)

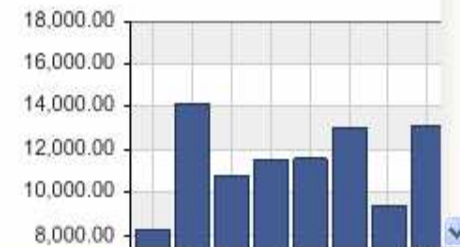
Number of Male and Female ARV Patient Deaths

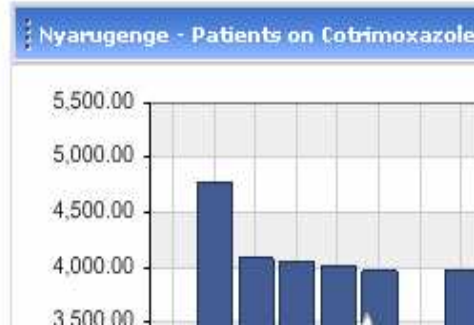
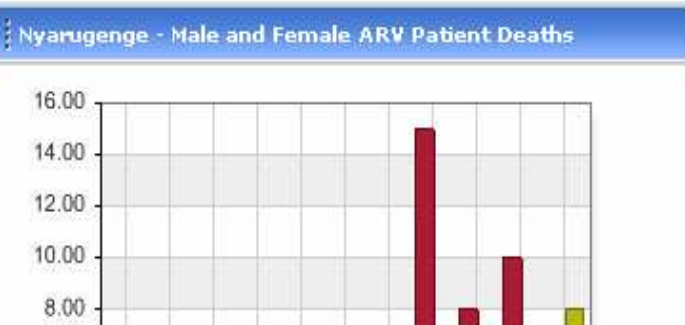
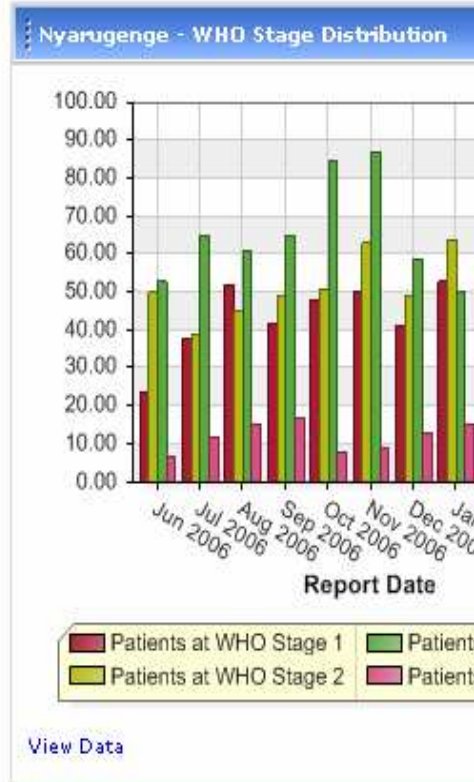
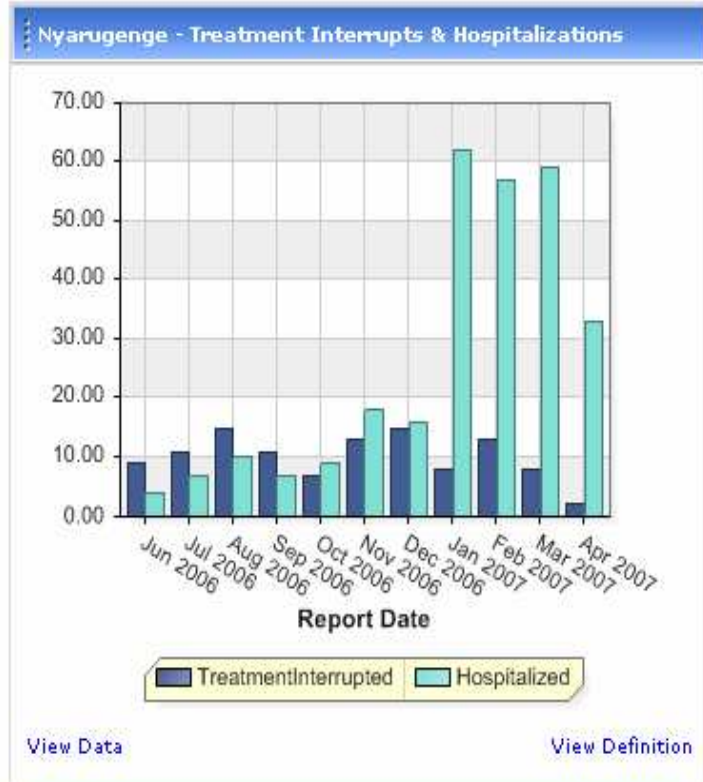
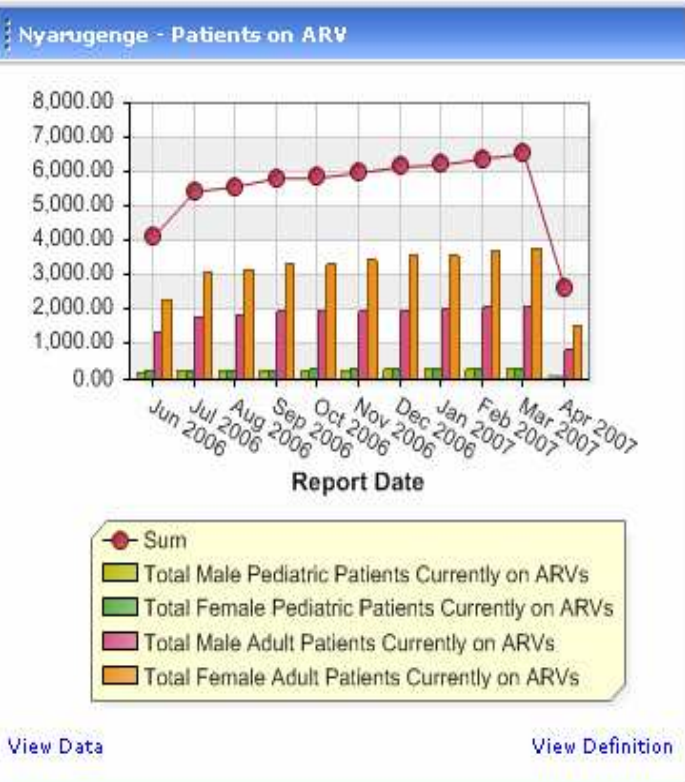


Number of Patients Enrolled in ART more than 12 Months Ago



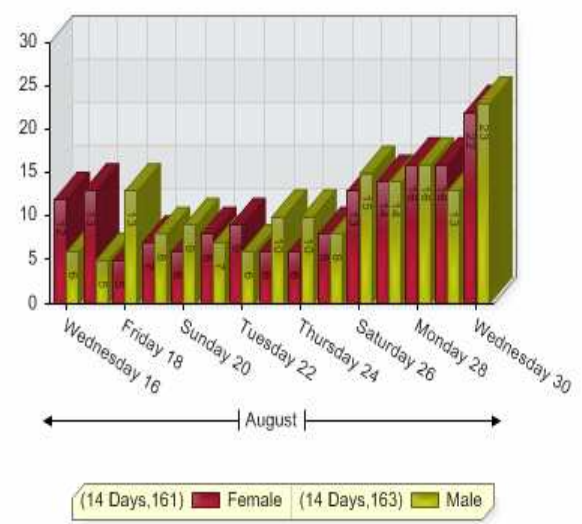
Number of Patients on Cotrimoxazole Pr





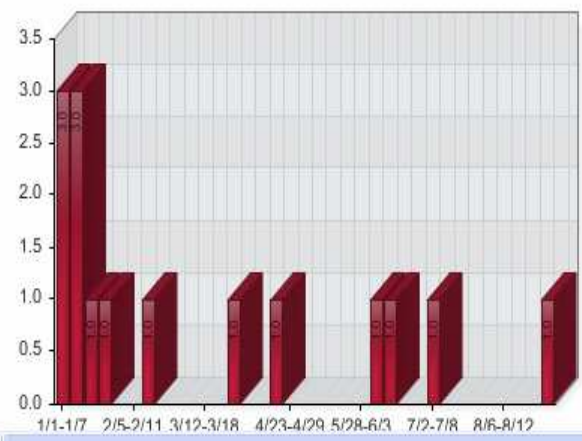
View Data View Definition

Total Cases per Gender (Last 14 Days)



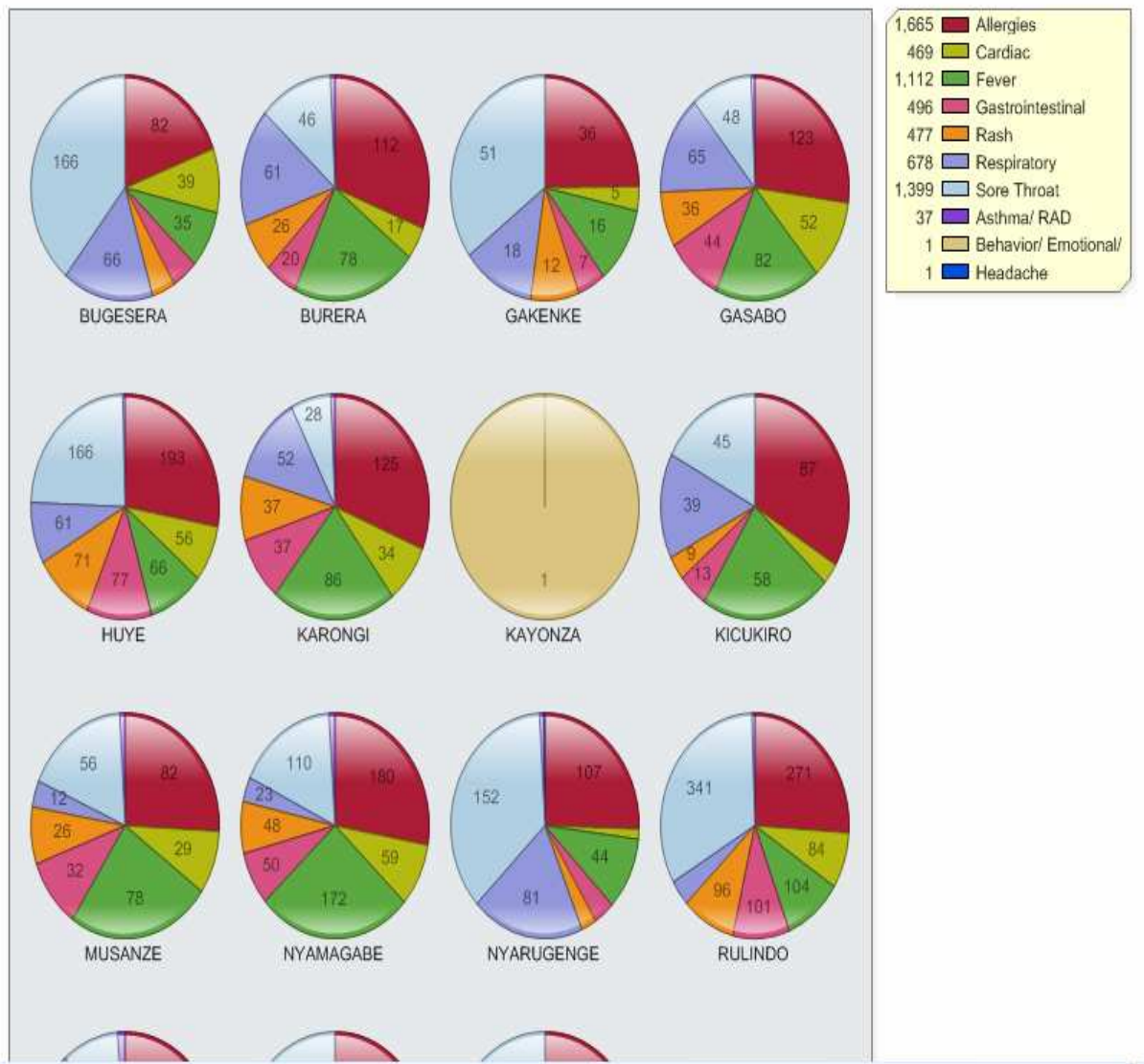
View Data View Definition

Deaths per Week



View Data View Definition

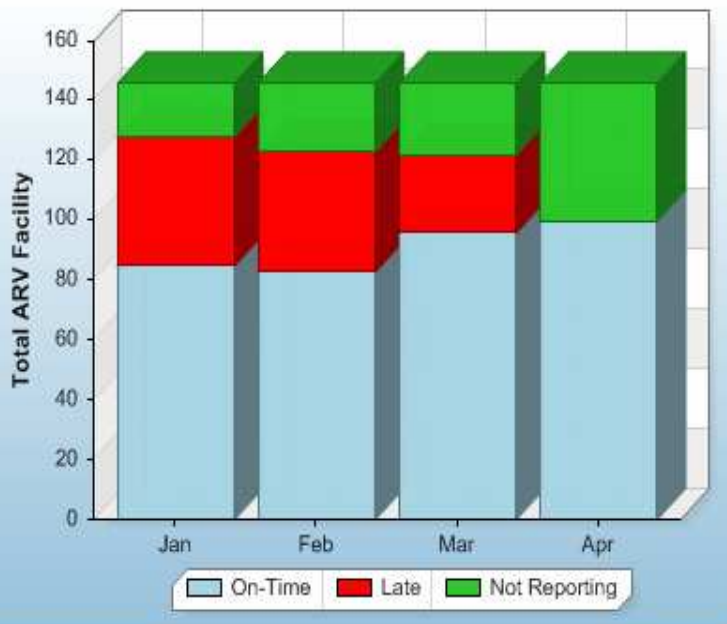
Total Case Distribution by Area and Syndrome



On Time Reporting Statistics

Month	Total ARV Facility	Total Report			% On-Time	% Late	% Not Reporting
		On-Time	Late	Not Reporting			
Jan	146	85	43	18	58.2%	29.5%	12.3%
Feb	146	83	40	23	56.8%	27.4%	15.8%
Mar	146	96	26	24	65.8%	17.8%	16.4%
Apr	146	100	0	46	68.5%	0.0%	31.5%

Chart of On Time Reporting Statistics



Facilities Late or Not Reporting

Facility	Date Of Last Report	Name	Phone Number
Avega Kigali	28/04/2007		
AVEGA Rwamagana	28/04/2007		08525863
Bigogwe Health Center	28/04/2007		
BNR	28/09/2006		
BRALIRWA	28/04/2007		
Bugarama Health Center	28/04/2007		08742314
Bungwe Health Center	28/04/2007		
Busanza Health Center			
Busasamana Health Center	28/04/2007		
Bushenge DH	28/04/2007		08431273
Busoro Health Centre	28/01/2007		
Butamwa Health Center	28/03/2007		
Butaro Health Center	28/04/2007		
Byumba District Hospital	28/04/2007		
CAMERWA			08486032
CHUB	28/04/2007		
CHUK	28/04/2007		
Clinic TRAC	28/03/2007		
Congo Nil Health Center	28/04/2007		
Cor-unum	28/04/2007		
CSM Biryogo	28/04/2007		
CSM Gikondo	28/04/2007		
Cyabingo Health Center	28/04/2007		
DH Nyamata	28/04/2007		
Dispensaire des Nations Unies	28/09/2006		
Gahanga HC	28/03/2007		
Gahini DH	28/04/2007		
Gakenke Health Centre	28/01/2007		
Gakoma District Hospital	28/04/2007		
Gasiza Health Center	28/04/2007		
Gatare Health Center	28/04/2007		08498275
Gihundwe District Hospital	28/04/2007		08587993

Rwanda Case Study: TRACnet

- Awards:
 - UNECA's inaugural Technology in Government in Africa Award for e-Health.
 - 9th Annual African ICT Achievers Awards: Top Public Sector Department Embracing ICT in Africa.
- Currently being expanded across entire health sector.
- Working with Rwanda's National Institute of Statistics to provide 'TRACnet' systems for range of key ministries (Agriculture, Education...).
- System is provided to government on an service provider basis in partnership with MTN.



UNECA TIGA
Award for e-Health



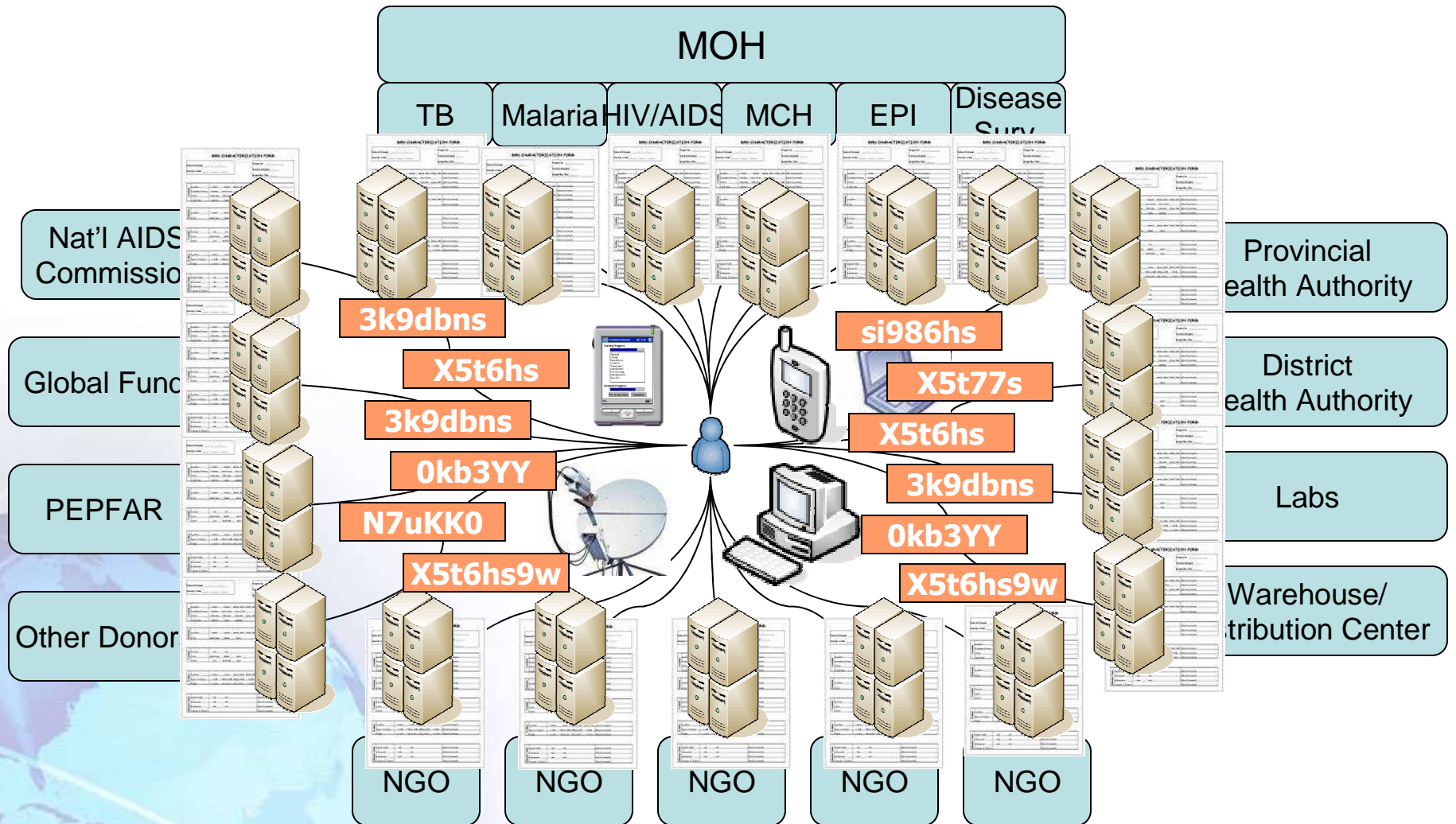
Phones for Health

A global public-private partnership to leverage the rapid growth of mobile phone networks in the developing world to help countries deliver health services more effectively.

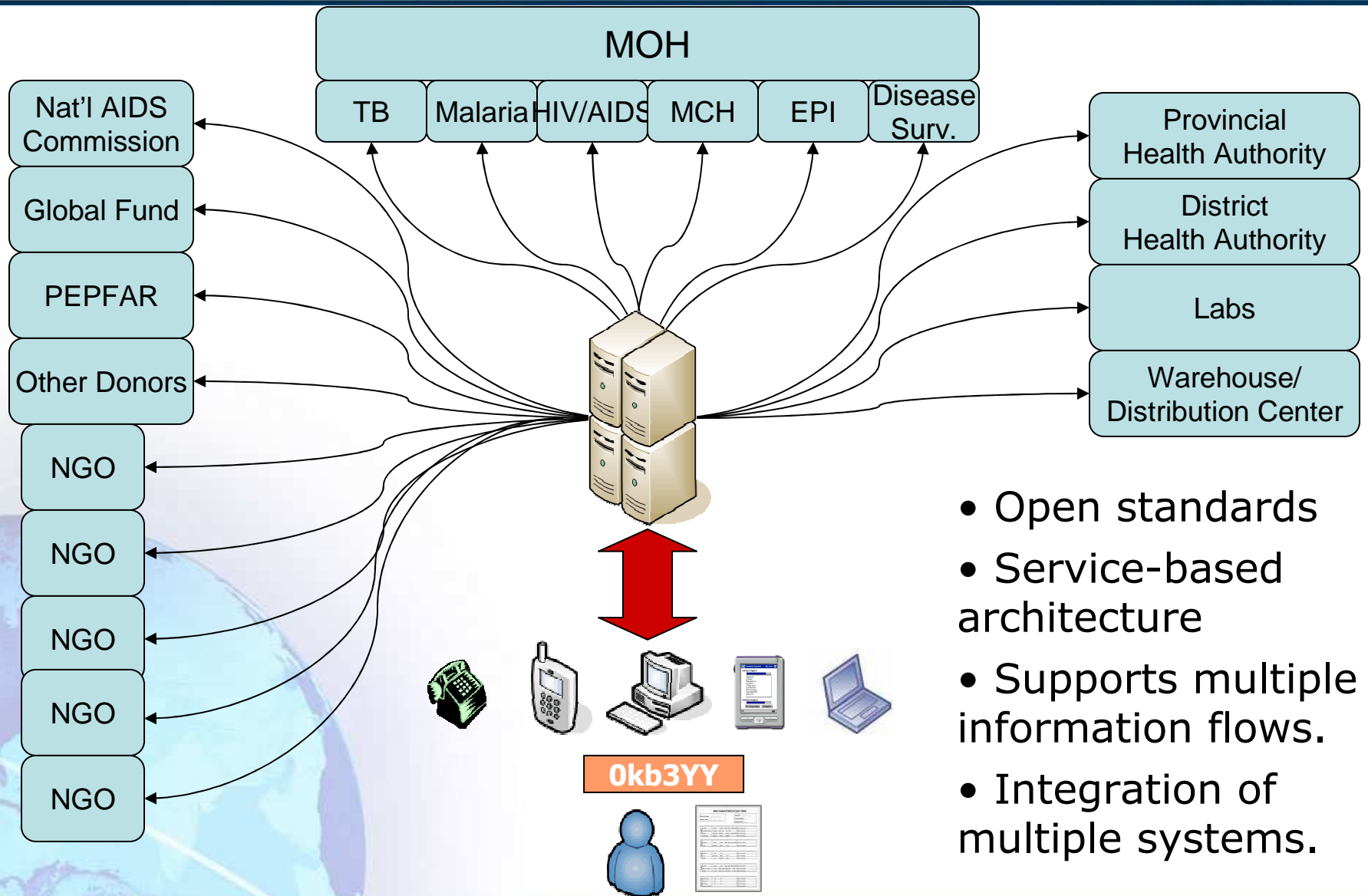


- Develop integrated health information system to support countries to scale-up of health programs.
- Deliver those systems in a way that is cost-effective, scalable and sustainable in 10 countries in Africa in 3 years.
 - Rwanda, Nigeria, Kenya, Tanzania + 6 TBD

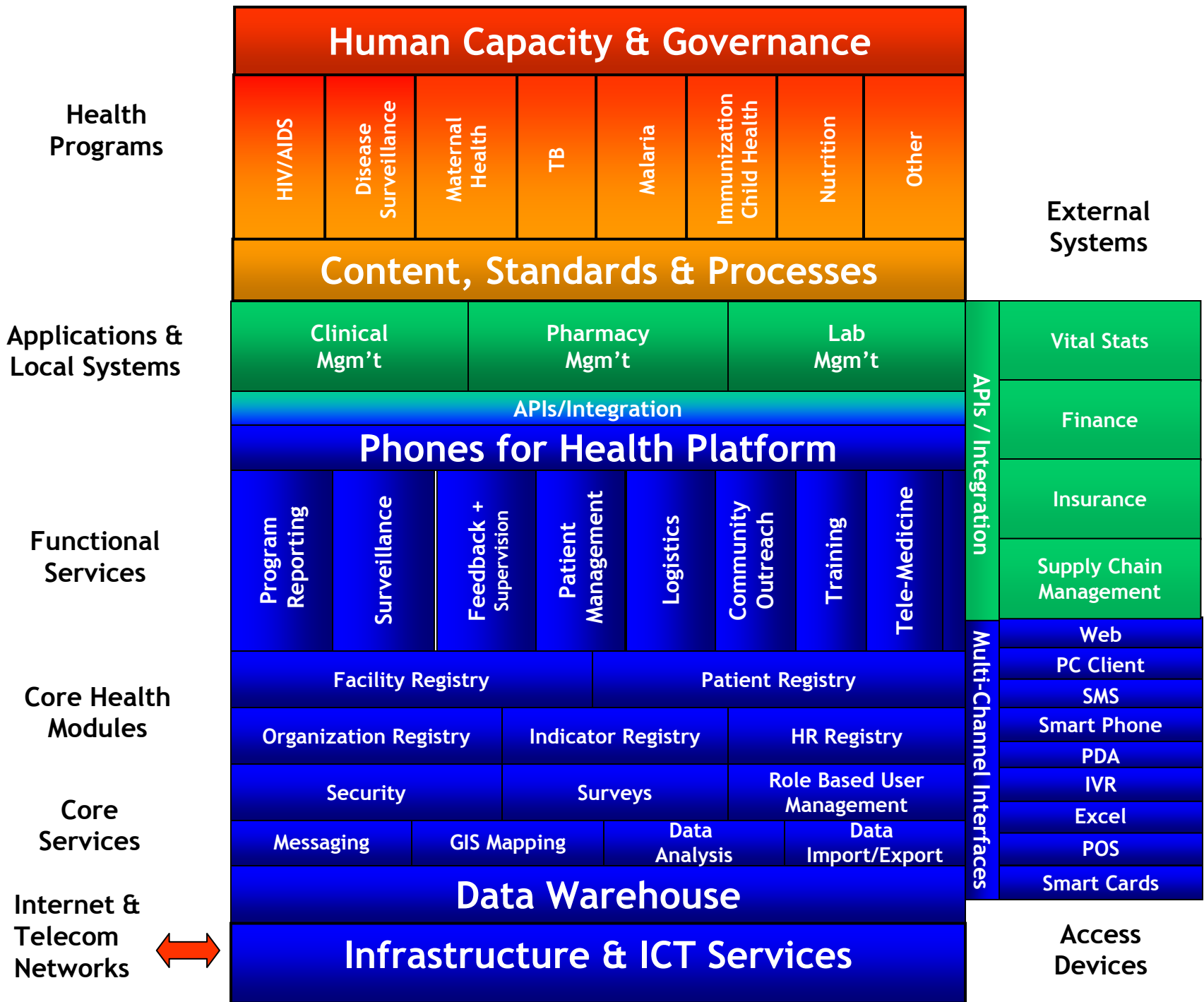
HMIS Status Quo



Model HMIS – Scalable, Flexible, Sustainable



- Open standards
- Service-based architecture
- Supports multiple information flows.
- Integration of multiple systems.



Telsalud Partnership



Patient Support Solutions:

- Hypertension
- Diabetes
- Maternal Health

Cardio-vascular risk assessment



inversión social para acercarsoluciones



INSTITUTO CARSO DE LA SALUD

El Instituto Carso de la Salud es una organización civil no lucrativa que moviliza recursos privados para financiar proyectos de interés social en el área de la salud, la nutrición y el medio ambiente. Su principal objetivo es contribuir a resolver los grandes y graves rezagos que en materia de salud existen en la región latinoamericana. Esto lo hace identificando los problemas y priorizándolos; diseñando iniciativas y mecanismos para enfrentar los problemas seleccionados; eligiendo socios para coordinar y ejecutar las iniciativas diseñadas; capacitando, asesorando y supervisando a los participantes, y evaluando los resultados. También puede financiar iniciativas presentadas por otras instituciones, grupos o personas, dentro de las prioridades seleccionadas.

Conoce tu riesgo cardiovascular

la estimación es más precisa en el grupo de edad de 40 a 79 años



Login

Usuario

Contraseña

[Forgot Password](#)



Visita <http://salud.carso.org> para mayor información

so User Form View

Select Filter

3 Record(s), showing 10 per page

First Previous Page1

User Name	Correo Electrónico	Risk Factor	BMI	Created On	Gender	Age (Years)	Diabetic?	Smoker?	Blood Pressure (mmHg)	Cholesterol (mgdL)	Weight (Kg)	Height (m)	Abdon Perime (cm)
8114706586		menor a 10%		Feb 22, 2008 05:18:00	Mujer	51	Si	No	120	208			
8182878341		menor a 10%		Feb 22, 2008 01:55:00	Mujer	33	No	No	120	150			
8211195326		menor a 10%		Feb 22, 2008 08:16:00	Mujer	23	No	No	130	138			
8110656916		menor a 10%		Feb 21, 2008 11:54:00	Mujer	21	Si	No	115	180			
8115174033		menor a 10%		Feb 21, 2008 09:54:00	Hombre	34	Si	Si	70	180			
8211195326		menor a 10%		Feb 21, 2008 07:56:00	Mujer	23	No	No	96	138			
8115192546		menor a 10%		Feb 21, 2008 04:01:00	Mujer	55	Si	Si	55	150			
8112790702		menor a 10%		Feb 21, 2008 12:17:00	Hombre	41	No	No	60	110			
8115565696		menor a 10%		Feb 21, 2008 11:25:00	Hombre	48	No	Si	125	180			
8115192546		menor a 10%		Feb 21, 2008 08:35:00	Mujer	20	No	No	120	190			

3 Record(s), showing 10 per page

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CareNet - Diabetes Diary



Health Clinic

- Integration with clinical practice EMR.

CareNet System

- Electronic Diary (Web, SMS, IVR, Smartphone, Glucometer)
- Automated alerts, reminders & information.
- Web portal for diary review by patient and doctor.



IVR
FAQs

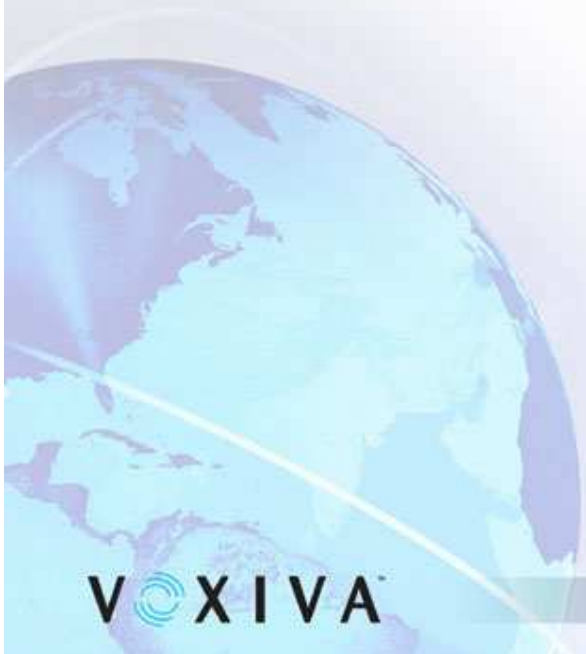


Call Center
Hotline

- Diabetes toll-free hotline
- Interactive voice menu (IVR) of frequently asked questions
- 24/7 call center support for advice & information.



Q & A



Contact

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