Health care Facilities

2 General Hospitals
- Victoria located in the north
- St. Jude located in the south

Primary health care services
- 33 Wellness centers
- 2 District hospitals
- 1 Private hospital
- 1 Polyclinic
- 8 health regions throughout the island
- 1 Psychiatric hospital
- 1 Drug Rehabilitation centre
Data is collected by Infection Control Nurses.
SARI information is sent along with other disease information for addition to the case notification database (paper based).
Denominator based Data is also sent in summary form to the Epi Unit.
Confirmatory lab results are sent on forms.
Limitations of Previous System

Data is in summary form
- Missing important variables
  - Sex
  - Other Age groups
  - Onset dates
  - Vaccination information
  - Travel history
  - Comorbidities
  - Risk factors

Double entry of data by ICN’s

No Standard Operating Procedure for Data management

Time lag in the data entry of confirmatory lab results
PAHOFlu

- Allows for multi user data entry in real time
- Immediate lab updates
### SARI Cases

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<th>Date</th>
<th>Last Name 1</th>
<th>Last Name 2</th>
<th>Name 1</th>
<th>Name 2</th>
<th>Case No.</th>
<th>Hosp. Reg</th>
<th>Samps.</th>
<th>F. Result</th>
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Monitoring Surveillance Platform

Clinical Sample Collection:
(3b) Percent of SARI cases that had a sampled collected

Note: This refers to SARI cases shipped to lab.

Health Center

- St. Jude Hospital
- Victoena Hospital
- All Health Centers

Month

Year

Data Source: (NEW) 1a_NoSARI Cases (2)
Number of SARI cases

[Bar chart showing the number of SARI cases for each month from January to January of 2016 and 2017. The chart compares cases at Health Center ST Jude Hospital and Victoria Hospital.]

Sum of Number of Records for each capture_date Month broken down by capture_date Year. Color shows details about health_center. The view is filtered on health_center, capture_date Year and capture_date Month. The health_center filter keeps ST Jude Hospital and Victoria Hospital. The capture_date Year filter keeps 2016 and 2017. The capture_date Month filter keeps 12 of 12 members.
Percent of SARI cases with Sample

![Graph showing percent of SARI cases with sample.]

Average of %sampled (proxy - shipped to lab) for each health_center. Color shows details about health_center. The data is filtered on capture_date Year and capture_date Month. The capture_date Year filter keeps 2016 and 2017. The capture_date Month filter keeps 12 of 12 members. The view is filtered on health_center, which keeps St. Jude Hospital and Victoria Hospital.
Number samples collected - by site

Sum of sampling proxy. Cases shipped to lab (3a) for each capture_date Month broken down by capture_date Year vs. health_center. Color shows details about health_center. The view is filtered on health_center, capture_date Year and capture_date Month. The health_center filter keeps St. Jude Hospital and Victoria Hospital. The capture_date Year filter keeps 2016 and 2017. The capture_date Month filter keeps 12 of 12 members.
Number of samples processed and percentage of samples closed

The trends of count of processed and %cases with results for capture_date Month broken down by capture_date Year vs. health_center. For pane %cases with results, Color shows details about %cases with results. For pane Count of processed, Color shows details about health_center. The view is filtered on health_center, capture_date Year and capture_date Month. The health_center filter keeps St. Jude Hospital and Victoria Hospital. The capture_date Year filter keeps 2016 and 2017. The capture_date Month filter keeps 12 of 12 members.
Challenges

- Not every case of SARI has a sample taken
- Non availability of Nasopharyngaeal Swabs at one sentinel site
- Non Timely Entry of Data
- Non Closure of encounters
- Turn over time for results
The way Forward….

- Continue to work with Physicians to ensure that every case has a sample taken.
- Advocate for a Public Health Budget.
- Advocate for 100% closure of all entries in the database.
- Undertake more in-depth SARI analyses for presentation at meetings.
- Publish an article: Saint Lucia SARI Online Surveillance System, Year one.
THANK YOU