



Pan American
Health
Organization



World Health
Organization

REGIONAL OFFICE FOR THE
Americas

SARInet

Severe Acute Respiratory Infections network

**National Influenza Centers
National Laboratories
2016 Laboratory Survey**

SARInet





Laboratory Survey

- General information
- Specimen collection and laboratory network
- Sample information and laboratory capacity
- Laboratory Techniques
- Sending samples to WHO Collaborating Centers
- NIC budget



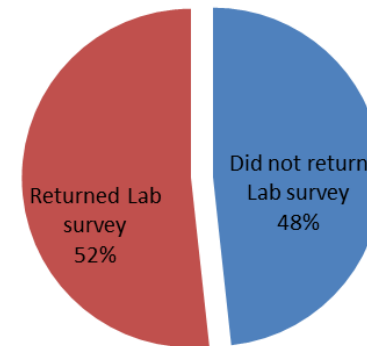
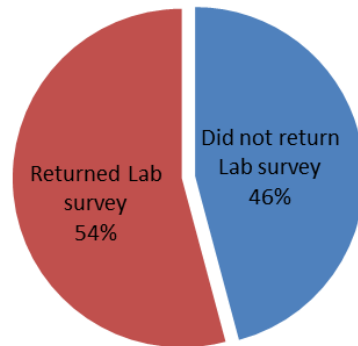
COUNTRIES PARTICIPATION

	Received the Surveys	Returned the Lab Survey (2015)	Returned the Lab Survey (2016)
Countries	24	13	15
Laboratories	29	15	19

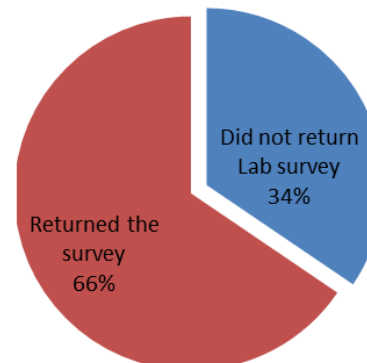
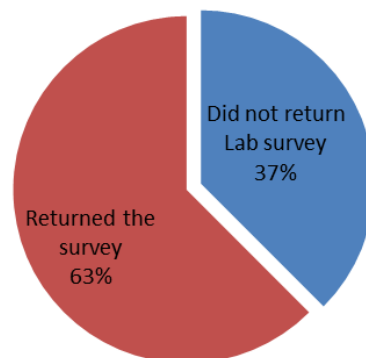
Countries

Laboratories

2015



2016



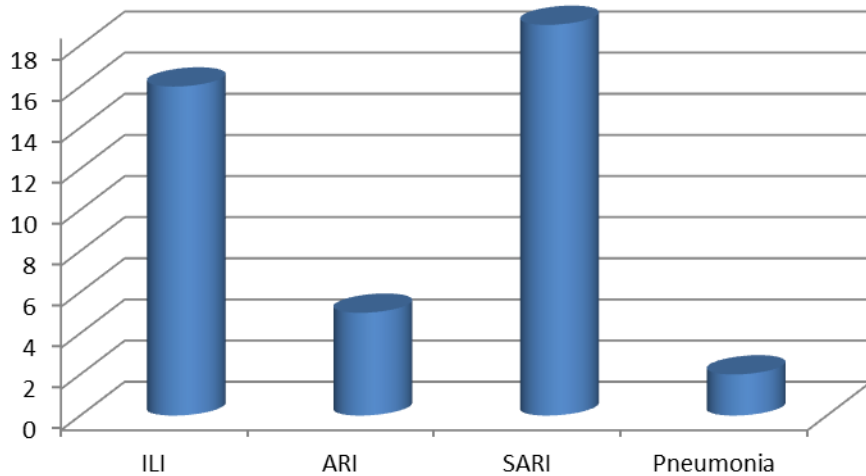


Laboratory Survey

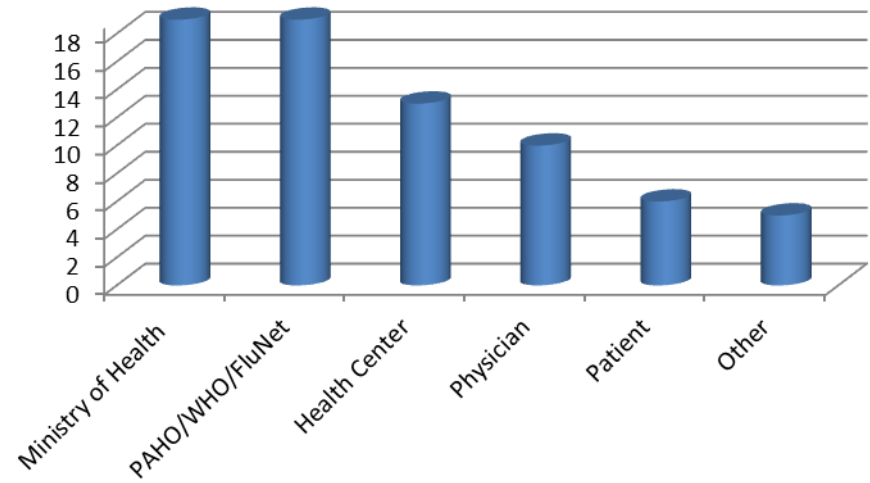
Specimen collection and laboratory network

Receives samples from non-surveillance hospitals / lab/doctors	Samples from sentinel sites	Samples from not sentinel sites
16	19	13

Type of Sentinel Surveillance



Virologic results sent to

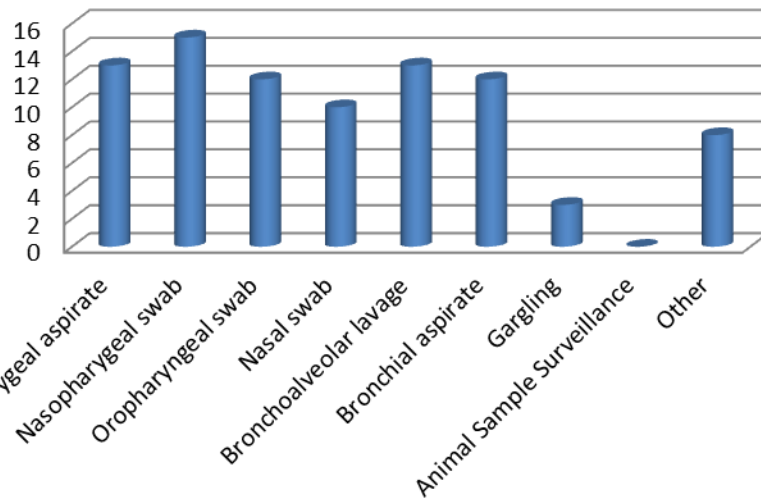




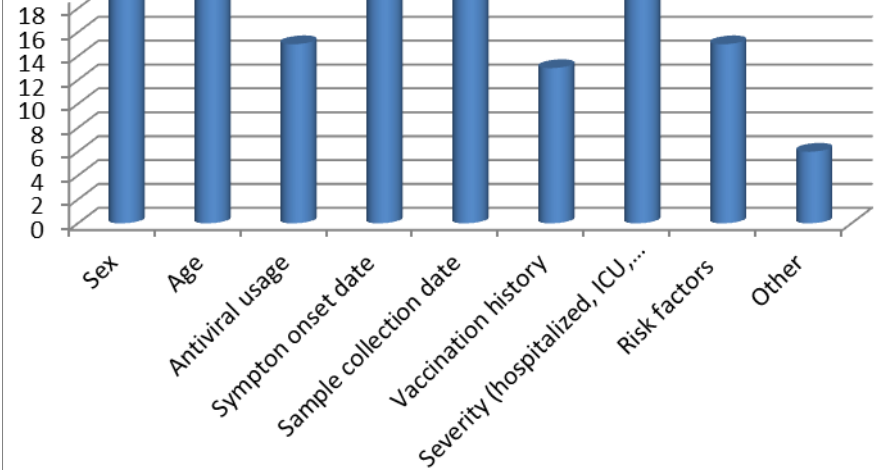
Laboratory Survey

Sample Information and Laboratory Capacity

Type of samples processed



Epidemiological information collected

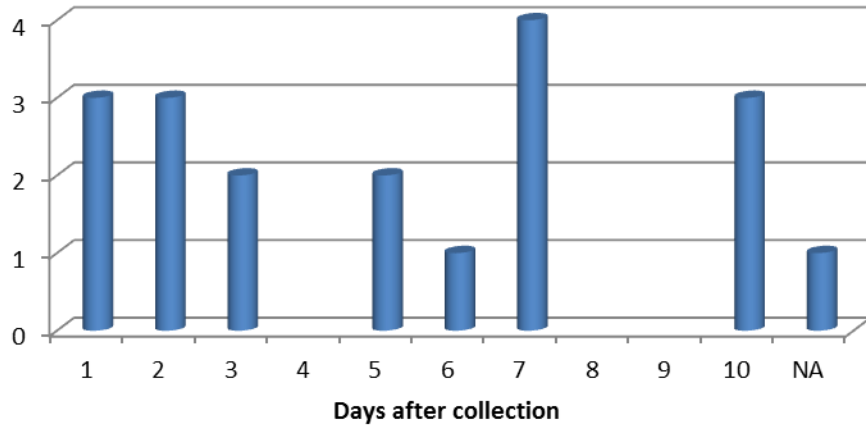




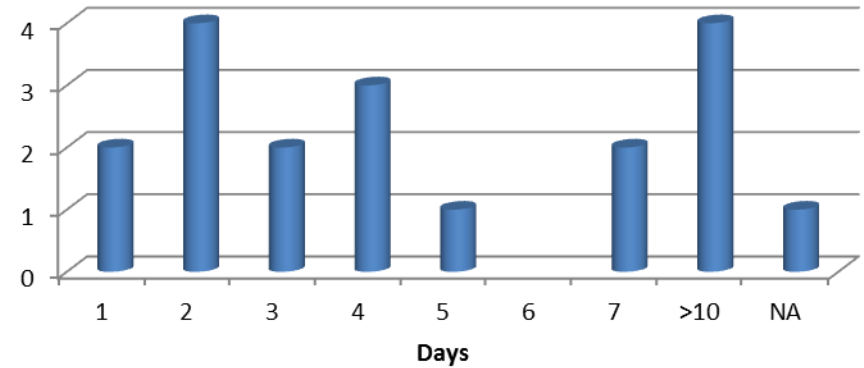
Laboratory Survey

Sample Information and Laboratory Capacity

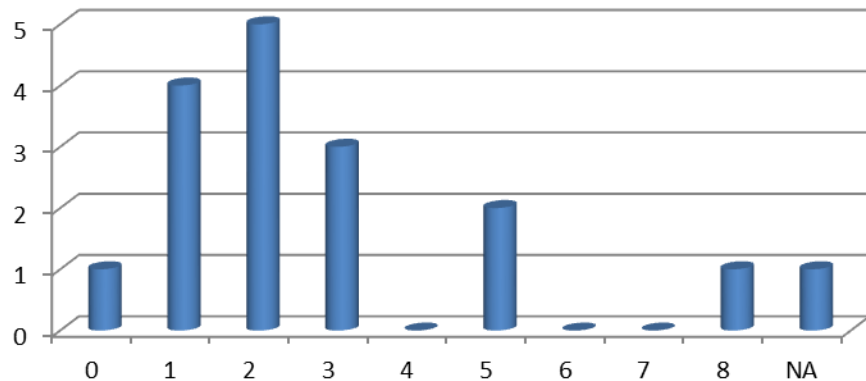
Samples reception at the lab



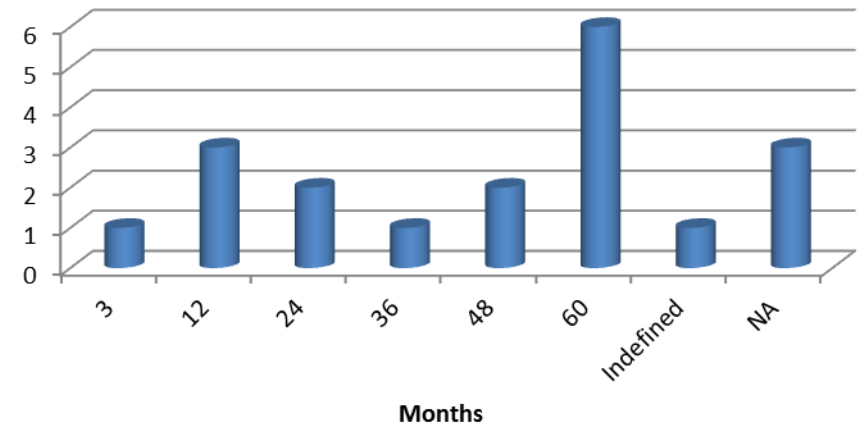
Time between sample collection and processing



Time between sample analysis and result report



Positive samples storage

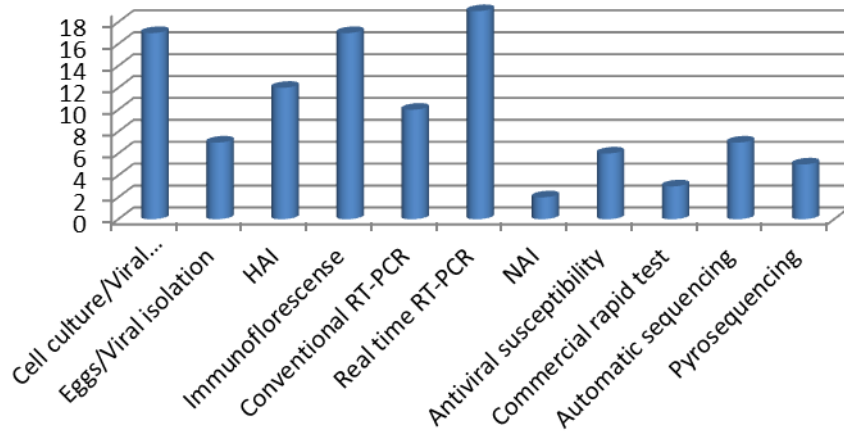




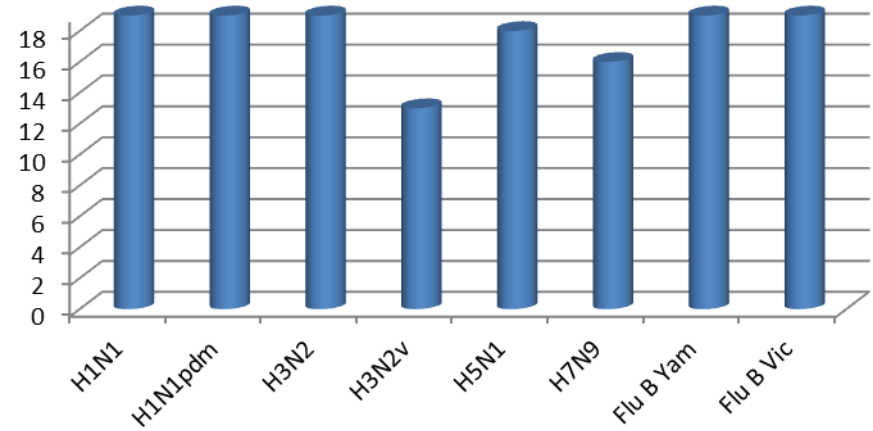
Laboratory Survey

Laboratory Techniques

Laboratory techniques



Influenza detection capacity

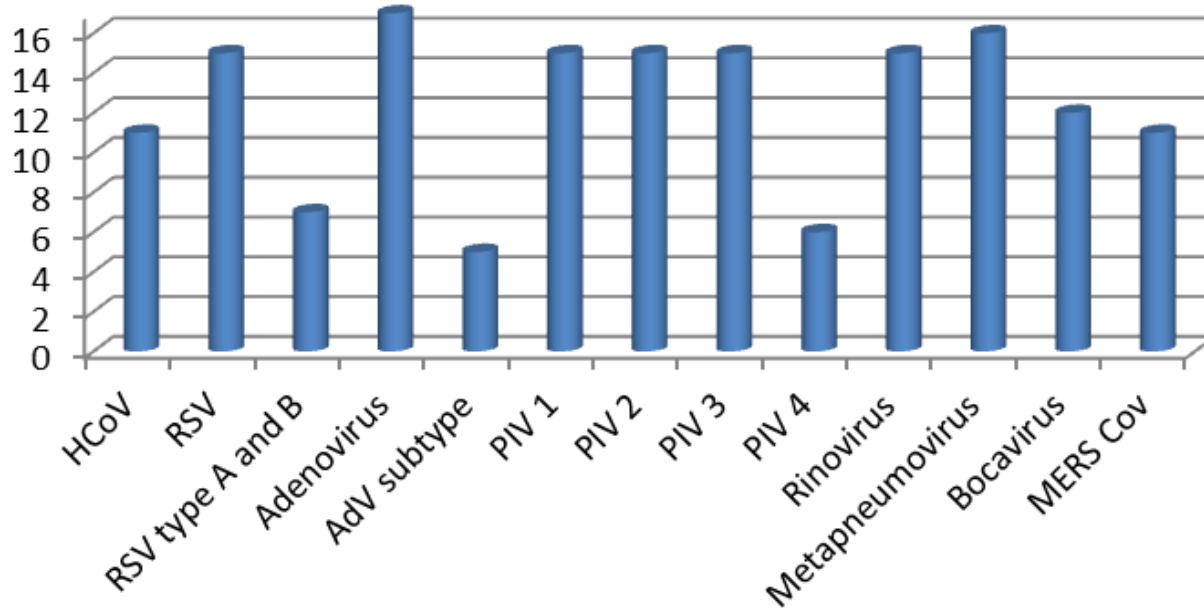




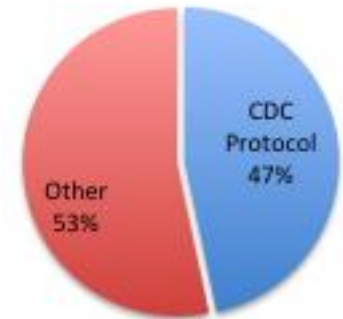
Laboratory Survey

Laboratory Techniques

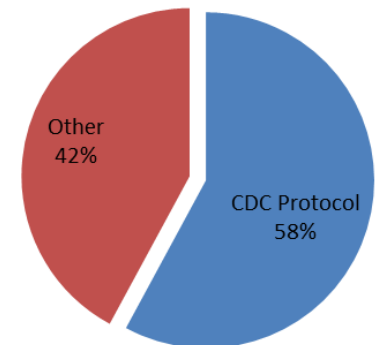
ORV Molecular detection



ORV Molecular detection protocol



2015



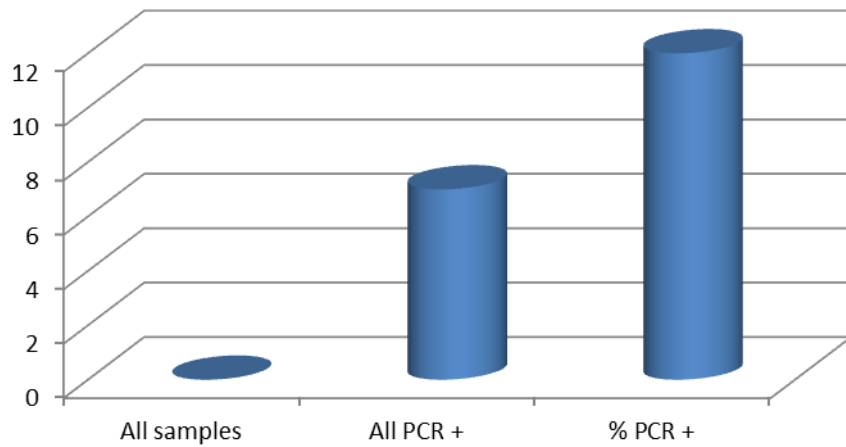
2016



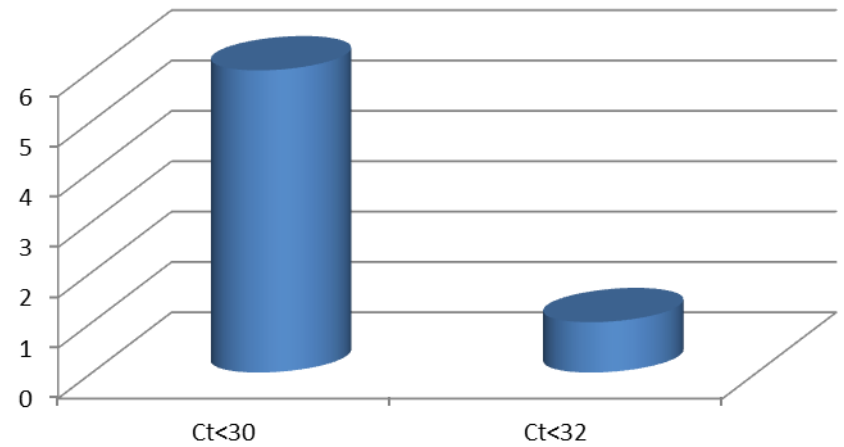
Laboratory Survey

Laboratory Techniques

Virus Isolation



Ct criteria for Isolation

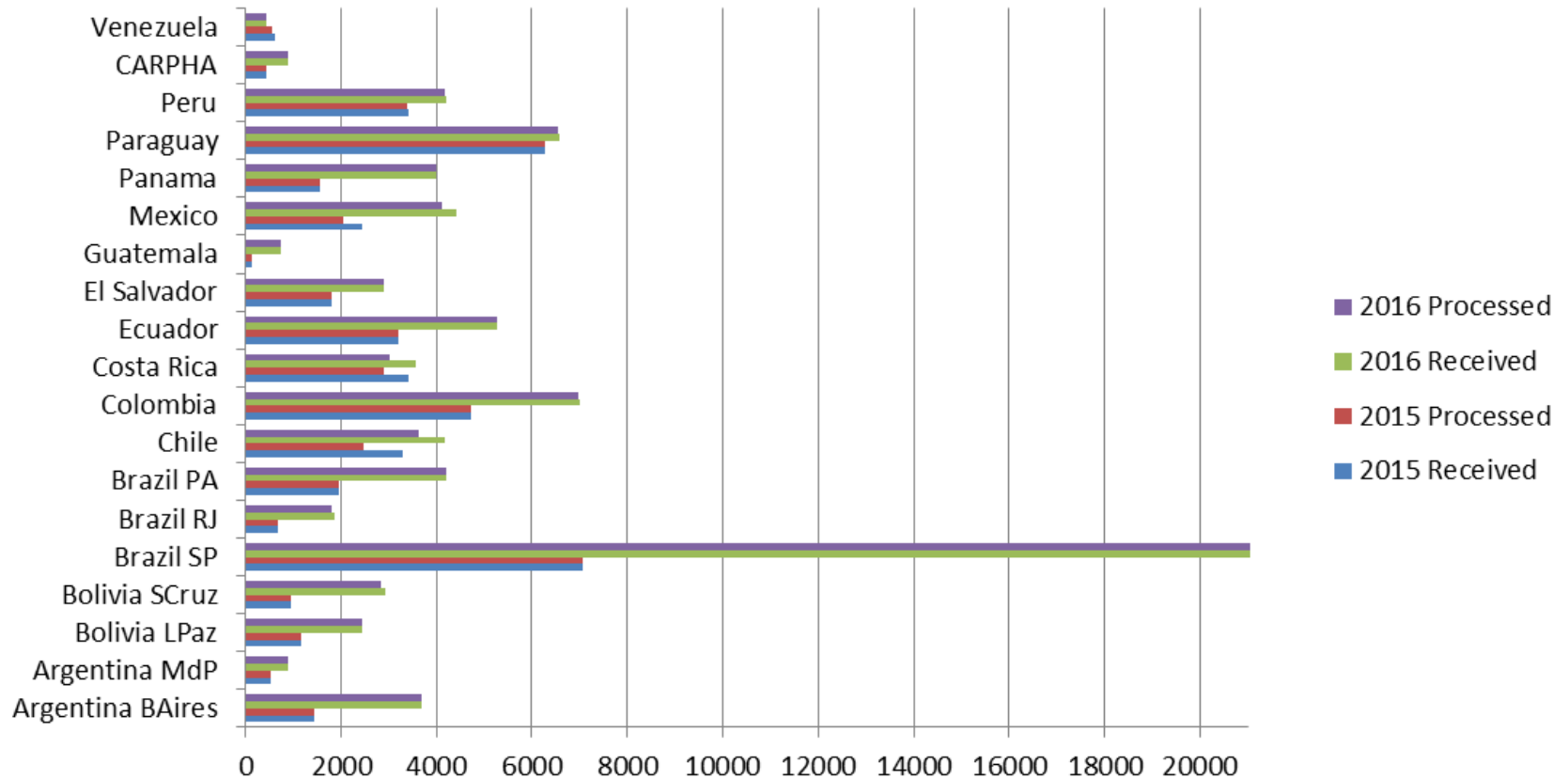




Laboratory Survey

Sample Information and Laboratory Capacity

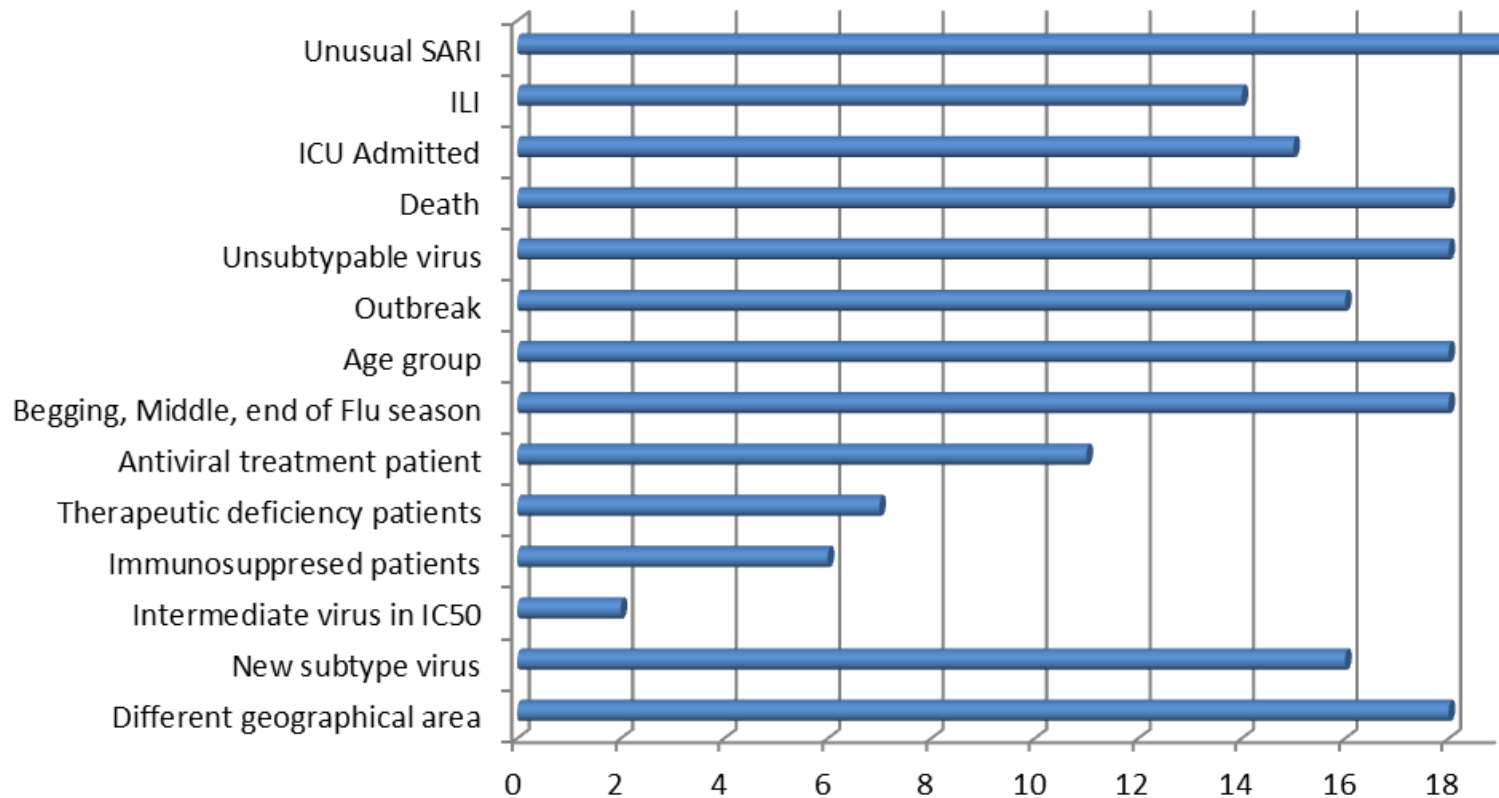
Number of received and processed samples





Laboratory Survey

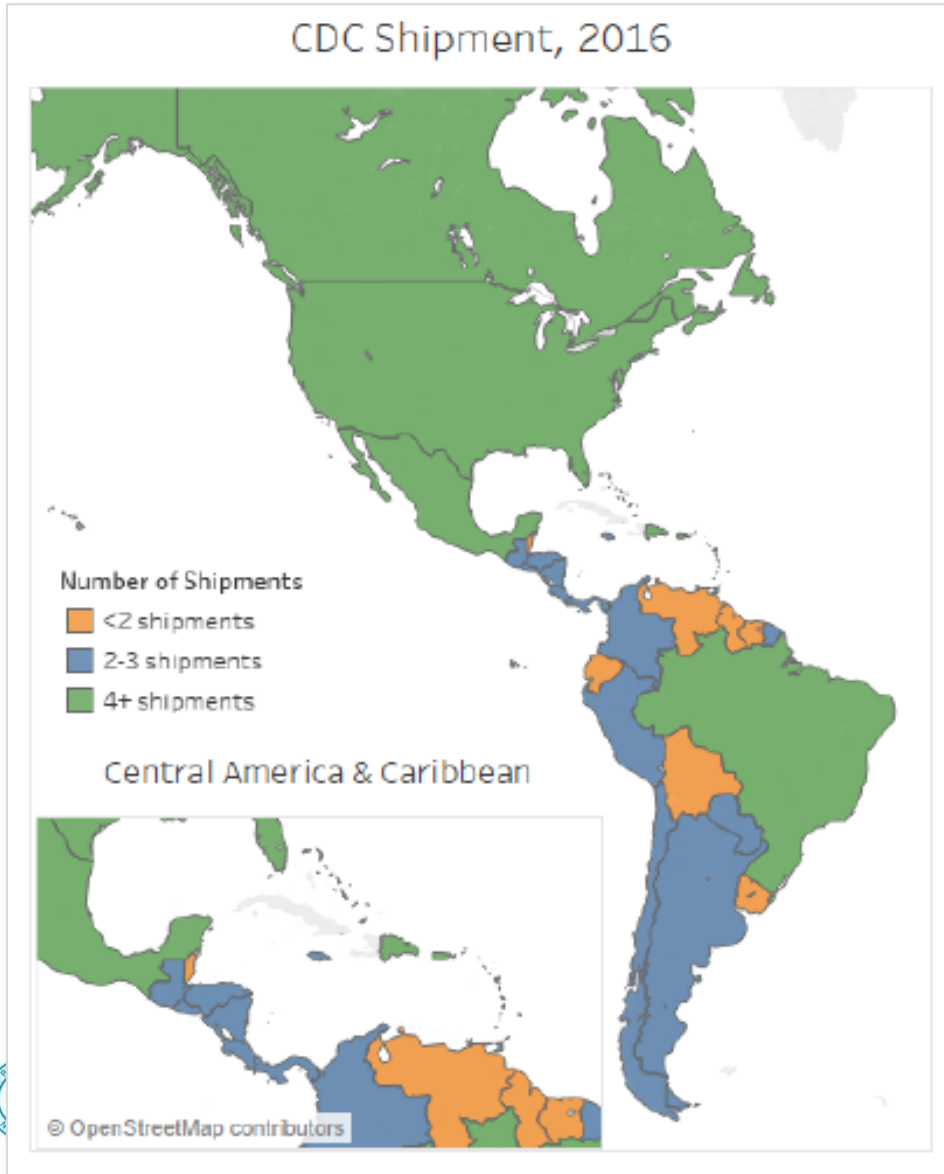
Sample Selection Criteria for Shipping to WHOCC





Laboratory Survey

Sample Shipping to WHOCC



The WHO CCs do additional antigenic characterization and antiviral resistance testing on samples sent to them from the countries.



Laboratory Survey

- A tool for obtaining NIC and National Laboratories data.
- Know the response capacity of the lab
- Opportunity to identify areas for improvement and strengthening



Acknowledgement

NATIONAL INFLUENZA CENTER

NATIONAL LABORATORIES

WHO COLLABORATING CENTERS



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Laboratory Survey

MUCHAS GRACIAS

THANK YOU

OBRIGADA



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