

Regional Update EW 49, 2015

Influenza and other respiratory virus (December 22, 2015)

Actualización Regional SE 49, 2015

Influenza y otros virus respiratorios (22 de diciembre, 2015)

PAHO interactive data
Datos interactivos de la OPS:

PAHO FluNet: http://ais.paho.org/hip/viz/ed_flu.asp
PAHO FluID: <http://ais.paho.org/hip/viz/flumart2015.asp>

Influenza Regional Reports:
Informes regionales de influenza:

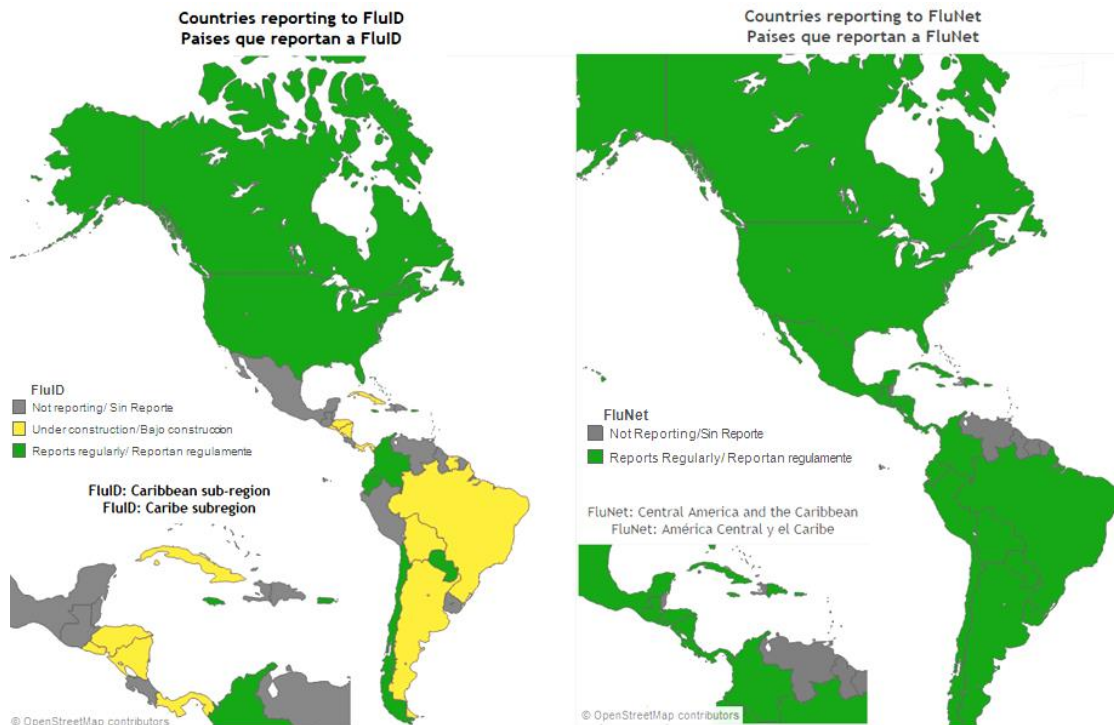
www.paho.org/influenzareports
www.paho.org/reportesinfluenza

Severe acute respiratory infections network - [SARinet](http://www.sarinet.org/)
Red de las infecciones respiratorias agudas graves - [SARinet](http://www.sarinet.org/):

<http://www.sarinet.org/>

The information presented in this update is based on data provided by Ministries of Health and National Influenza Centers of Member States to the informatics global platforms [FluNet](#) and [FluID](#); and reports/weekly bulletins that Ministries of Health published on its website or shared with PAHO/WHO.

La información presentada en esta actualización se obtiene a partir de los datos reportados por los Ministerios de Salud y los Centros Nacionales de Influenza de los Estados Miembros a las plataformas informáticas globales de [FluNet](#) y [FluID](#); y de los reportes/boletines semanales que los Ministerios de Salud publican en sus páginas web o comparten con OPS/OMS.



Map production /Producción del mapa: PAHO/WHO. OPS/OMS.

Data Source / Fuente de datos: Ministries of Health and National Influenza Centers of Member States reports to the informatics global platforms [FluNet](#) and [FluID](#) / Reporte de los Ministerios de Salud y los Centros Nacionales de Influenza de los Estados Miembros a las plataformas informáticas globales de [FluNet](#) y [FluID](#)

WEEKLY SUMMARY (ENGLISH)

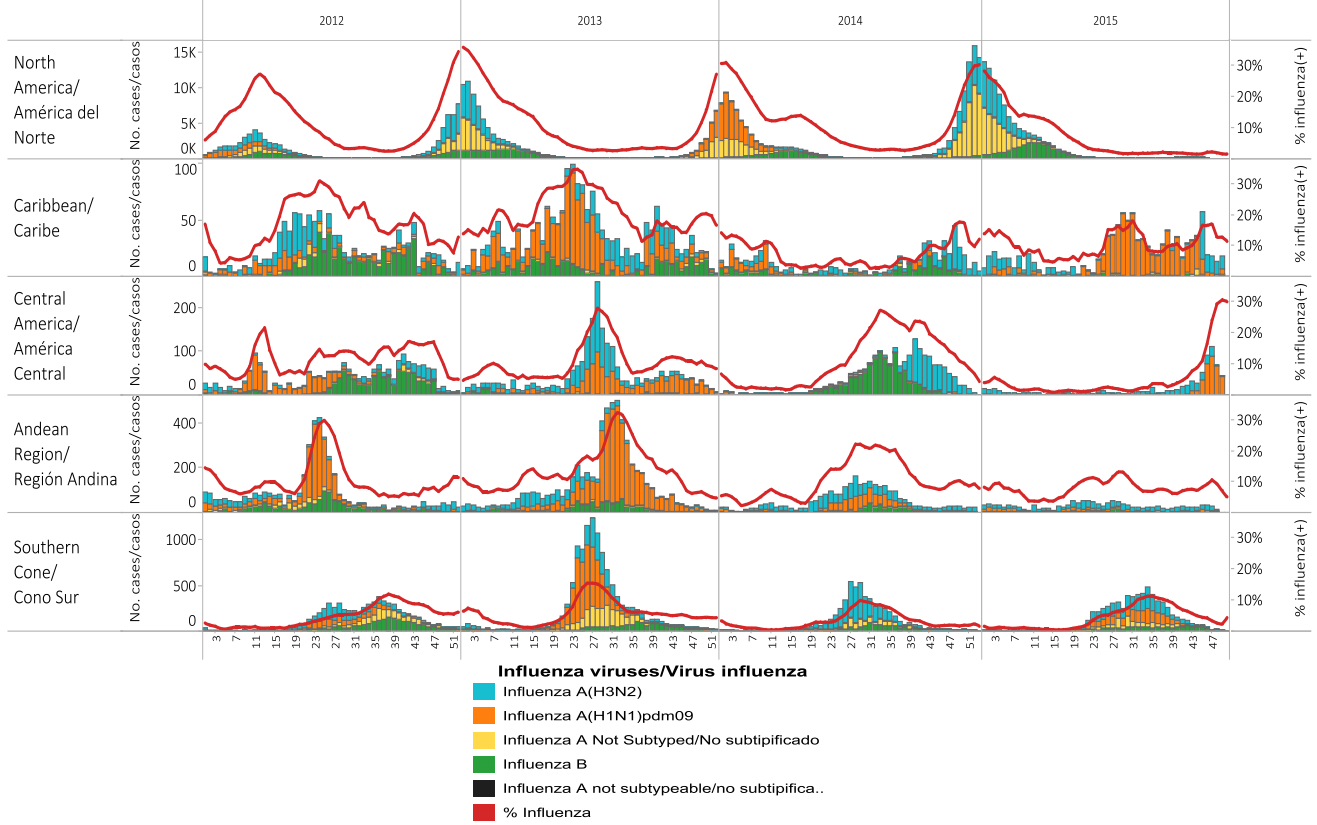
- **North America:** Overall, low influenza and other respiratory virus activity was reported. This week, the United States of America reported one human infection with an influenza A (H1N1) variant (H1N1v) virus in a patient who lived and worked in an area near where swine were housed but no direct contact with swine was reported in the week prior to illness onset. The patient was not hospitalized, has fully recovered and no ongoing human-to-human transmission has been identified.
- **Caribbean:** Low influenza and other respiratory virus activity were reported in most countries. Influenza activity slightly increased in Cuba and Puerto Rico in recent weeks.
- **Central America:** Influenza and other respiratory virus activity remained low overall.
- **Andean Sub-region:** Influenza and other respiratory virus activity remained low overall and ARI/SARI activity remained within expected levels.
- **Brazil and Southern Cone:** Low and decreasing influenza and other respiratory virus activity continued overall.
- **Global level:** Influenza activity remained low overall.

RESUMEN SEMANAL (ESPAÑOL)

- **América del Norte:** Ha sido reportada actividad baja de influenza y de otros virus respiratorios en general. Esta semana, los Estados Unidos de América reportaron una infección humana causada por influenza A (H1N1) variante (H1N1v) virus, en un paciente que vivió y trabajó en una zona cercana a donde se alojaron cerdos. No se reportó contacto directo con cerdos en la semana previa al inicio de la enfermedad. El paciente no fue hospitalizado, se ha recuperado totalmente y no fue identificada transmisión continua de humano a humano.
- **Caribe:** Ha sido reportada actividad baja de influenza y de otros virus respiratorios en la mayoría de los países. La actividad de influenza incrementó ligeramente en Cuba y Puerto Rico.
- **América Central:** Ha sido reportada actividad baja de influenza y otros virus respiratorios en general.
- **Sub-región Andina:** Ha sido reportada actividad baja de virus respiratorios en general. La actividad de IRA/IRAG continúa dentro de los niveles esperados.
- **Brasil y Cono Sur:** Ha sido reportada actividad baja y decreciente de influenza y otros virus respiratorios en general.
- **Nivel Global:** La actividad de influenza se mantiene baja en general.

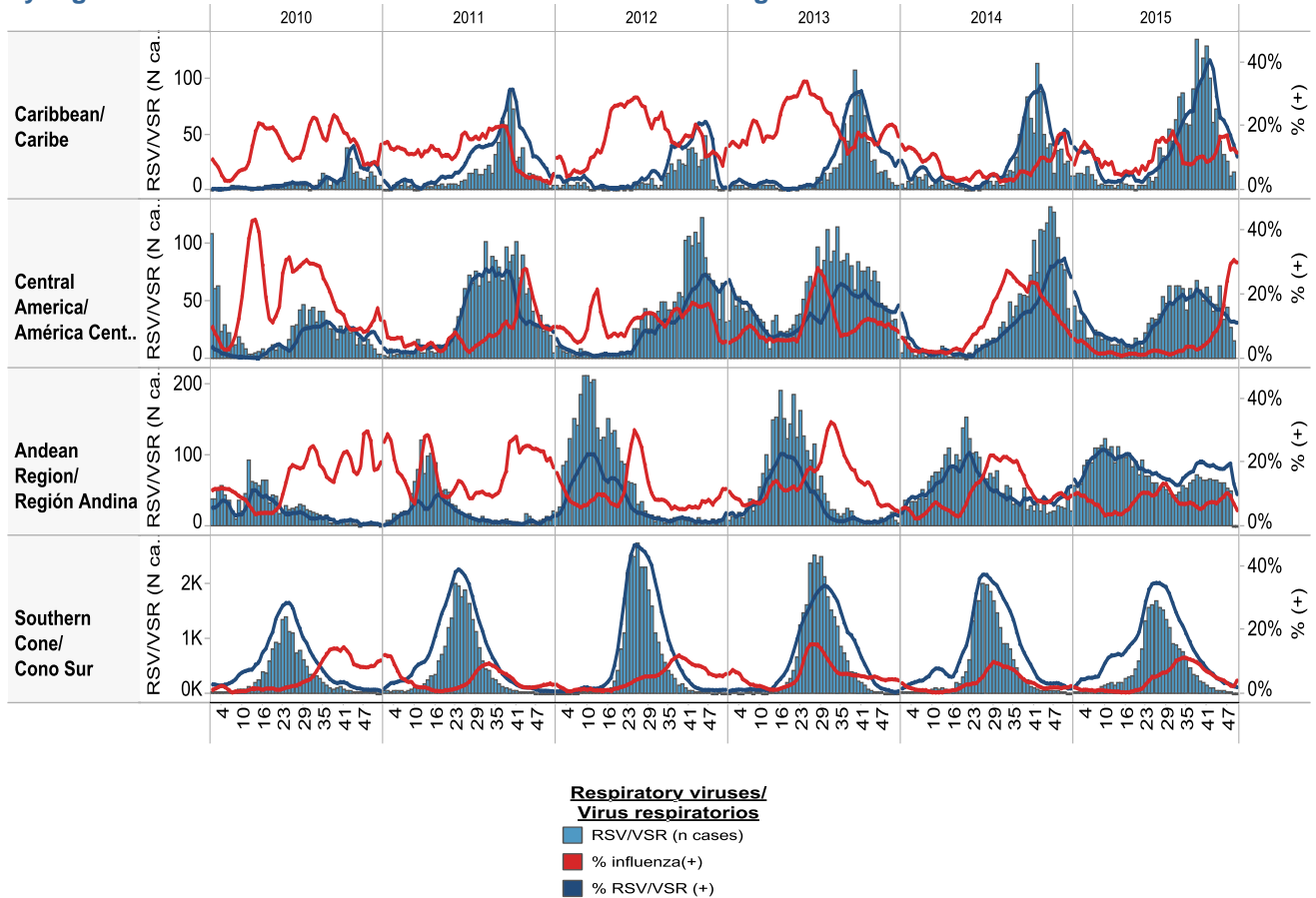
Influenza circulation by region. 2012-15

Circulación virus influenza por región. 2012-15



Respiratory syncytial virus (RSV) circulation by region. 2010-15

Circulación de virus sincitial respiratorio por región. 2010-15



Weekly and cumulative numbers of influenza and other respiratory virus, by country and EW, 2015¹
 Número semanal y acumulado de influenza y otros virus respiratorios, por país y SE, 2015²

EW 49, 2015 / SE 49, 2015

| | | N samples/muestras | Influenza A(H3N2) | Influenza A (H1N1)pdm09 | Influenza A Not Subtyped/No subtipificado | Influenza B | % influenza(+) | Adenovirus | Parainfluenza | RSV/VSR | % RSV/VSR (+) | Bocavirus | Coronavirus | Metapneumovirus | Rhinovirus | |
|--|--------------------|-----------------------|-------------------|----------------------------|---|-------------|----------------|------------|---------------|-----------|---------------|-----------|-------------|-----------------|------------|--|
| North America/ América del Norte | Canada | 3,717 | 18 | 10 | 22 | 8 | | | | | | | | | | |
| | Mexico | 85 | 5 | 1 | 0 | 0 | 7% | 0 | 0 | 0 | 0% | | | | | |
| Caribbean/ Caribe | Cuba | 89 | 9 | 2 | 0 | 1 | 13% | 2 | 2 | 7 | 8% | 0 | 0 | 0 | 9 | |
| | Dominican Republic | 6 | 0 | 1 | 0 | 0 | 17% | 0 | 0 | 3 | 50% | | | | | |
| | Jamaica | 2 | 0 | 0 | 0 | 0 | 0% | | | | | | | | | |
| Central America/ A. | Nicaragua | 144 | | 44 | | 0 | | | 1 | 15 | 10% | | | | | |
| Andean Region/ Región Andina | Bolivia - INLASA | 19 | 1 | 1 | | 0 | | | | | | | | | | |
| | Peru | 38 | 0 | 0 | 0 | 0 | 0% | 0 | 1 | 0 | 0% | 0 | 0 | 1 | 0 | |
| Brazil & Southern Cone/ Cono Sur | Argentina | 121 | 0 | 2 | 0 | 3 | 4% | 1 | 5 | 3 | 2% | | | 3 | | |
| | Chile | 495 | | | | 9 | | 13 | 30 | 3 | 1% | | | 14 | | |
| | Paraguay | 7 | 0 | 0 | 0 | 1 | 14% | 0 | 0 | 0 | 0% | 0 | 0 | 2 | 0 | |
| Grand Total | | 4,723 | 33 | 61 | 22 | 22 | 3% | 16 | 39 | 31 | 1% | 0 | 0 | 20 | 9 | |

Cumulative, EW 46-49, 2015 / Acumulado, SE 46-49

| | | N samples/ muestras | Influenza A(H3N2) | Influenza A (H1N1)pdm09 | Influenza A Not Subtyped/No subtipificado | Influenza B | % influenza(+) | Adenovirus | Parainfluenza | RSV/VSR | % RSV/VSR (+) | Bocavirus | Coronavirus | Metapneumovirus | Rhinovirus | |
|--|--------------------|------------------------|-------------------|----------------------------|---|-------------|----------------|------------|---------------|------------|---------------|-----------|-------------|-----------------|------------|--|
| North America/ América del Norte | Canada | 14,107 | 90 | 27 | 94 | 21 | | | | | | | | | | |
| | Mexico | 1,179 | 39 | 7 | 1 | 1 | 4% | 2 | 2 | 2 | 0% | | | | | |
| Caribbean/ Caribe | CARPHA | 1 | | 1 | | 0 | | | 0 | | | | | | | |
| | Cuba | 314 | 43 | 8 | 0 | 1 | 17% | 4 | 7 | 42 | 13% | 0 | 2 | 0 | 24 | |
| | Dominican Republic | 18 | 0 | 2 | 0 | 0 | 11% | 0 | 0 | 8 | 44% | | | | | |
| | Jamaica | 18 | 0 | 0 | 0 | 0 | 0% | | | | | | | | | |
| | Suriname | 5 | 0 | 0 | 0 | 0 | 0% | 0 | 0 | 0 | 0% | 0 | 0 | 0 | 0 | |
| Central America/ América Central | Costa Rica | 109 | 23 | 4 | 0 | 0 | 25% | 3 | 2 | 7 | 6% | | | | | |
| | El Salvador | 97 | 10 | 0 | 0 | 0 | 10% | 0 | 1 | 19 | 20% | | | | | |
| | Guatemala | 38 | 0 | 0 | 0 | 0 | 0% | 0 | 0 | 5 | 13% | 0 | 0 | 6 | 0 | |
| | Honduras | 43 | 5 | 0 | 0 | 0 | 12% | 0 | 0 | 0 | 0% | | | | | |
| | Nicaragua | 781 | 9 | 266 | | 0 | | | 5 | 85 | 11% | | | | | |
| Andean Region/ Región Andina | Panama | 9 | 0 | 0 | 0 | 0 | 0% | 1 | 0 | 4 | 44% | | | 1 | 1 | |
| | Bolivia - CENETROP | 59 | 9 | 15 | 0 | 0 | 41% | 0 | 0 | 2 | 3% | 0 | 0 | 0 | 0 | |
| Andean Region/ Región Andina | Bolivia - INLASA | 77 | 3 | 5 | | 0 | | | 1 | | | | | | | |
| | Colombia | 420 | 32 | 0 | 2 | 2 | 9% | 25 | 27 | 152 | 36% | 14 | 11 | 8 | 11 | |
| | Ecuador | 80 | 2 | 0 | 0 | 3 | 6% | 1 | 6 | 3 | 4% | | | 0 | | |
| | Peru | 169 | 0 | 0 | 0 | 2 | 1% | 0 | 2 | 2 | 1% | 0 | 0 | 4 | 0 | |
| | Venezuela | 4 | 0 | 0 | 0 | 0 | 0% | 0 | 0 | 1 | 25% | 0 | 0 | 0 | 0 | |
| Brazil & Southern Cone/ Cono Sur | Argentina | 1,215 | 1 | 2 | 5 | 33 | 3% | 21 | 65 | 40 | 3% | | | 11 | | |
| | Brazil | 74 | 0 | 6 | 0 | 8 | | | | | | | | | | |
| | Chile | 2,362 | 5 | | 3 | 42 | | 66 | 151 | 47 | 2% | | | 83 | | |
| | Paraguay | 221 | 0 | 0 | 0 | 2 | 1% | 8 | 4 | 2 | 1% | 0 | 0 | 60 | 0 | |
| | Uruguay | 28 | 0 | 0 | 0 | 4 | 14% | 0 | 0 | 1 | 4% | | | | | |
| Grand Total | | 21,428 | 271 | 343 | 105 | 119 | 4% | 131 | 273 | 422 | 2% | 14 | 13 | 173 | 36 | |

1 The detection of respiratory viruses other than influenza depends on the diagnostic capacity of each country and monitoring system. The absence of report of other respiratory viruses does not indicate the absence of their circulation.

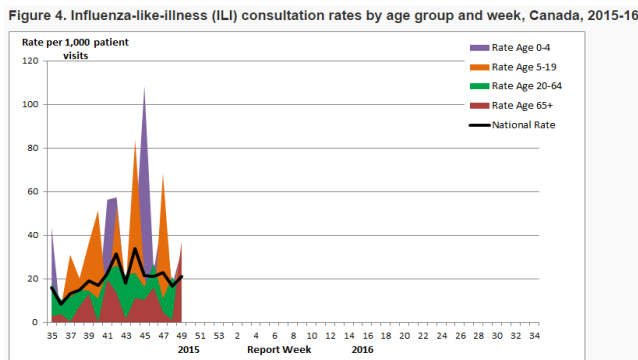
2 La detección de otros virus respiratorios diferentes a influenza depende de la capacidad diagnóstica de cada país y del sistema de vigilancia establecido. El que no se reporten otros virus respiratorios, no significa, ni indica la ausencia de circulación viral.

North America / América del Norte:

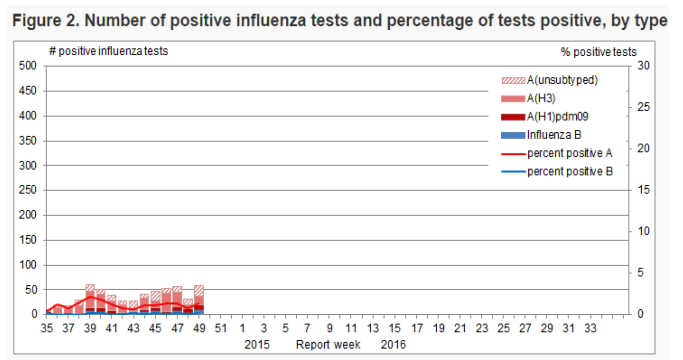
Canada

- ILI activity increased, but remained low with 21 consultations per 1,000 visits. The highest ILI consultation rate was found in the >65 years of age group / La actividad de ETI incrementó, pero se mantiene baja, con 21 visitas por 1.000 consultas. La tasa más alta de consultas por ETI se registró en el grupo de edad >65 años
- Influenza activity increased but detections remained low, with influenza A(H3N2) predominating in recent weeks / La actividad de influenza incrementó pero la detecciones se mantienen bajas, con predominio de influenza A(H3N2) en las últimas semanas
- Low influenza activity was reported in 20 regions across the country / Actividad baja de influenza reportada en 20 regiones del país
- Four new laboratory-confirmed outbreaks were reported in EW 49 / Cuatro nuevos brotes confirmados por laboratorio se reportaron en la SE 49

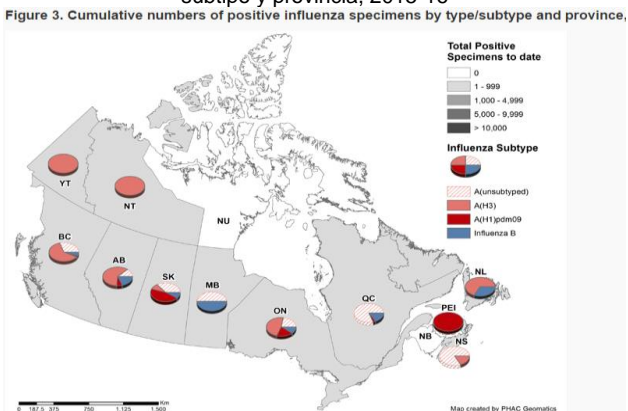
Canada: ILI consultation rates by age group and EW, 2015-16
Tasa de consultas de ETI por grupo de edad y SE, 2015-16



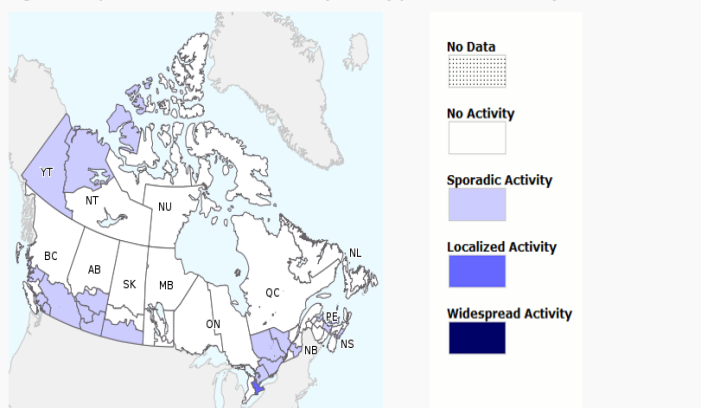
Canada: Influenza virus distribution by EW, 2015-16
Distribución de virus de influenza por SE, 2015-16



Canada: Cumulative numbers of positive influenza specimens by type/subtype and province, 2015-16
Casos acumulados de muestras positivas a influenza por tipo/subtipo y provincia, 2015-16

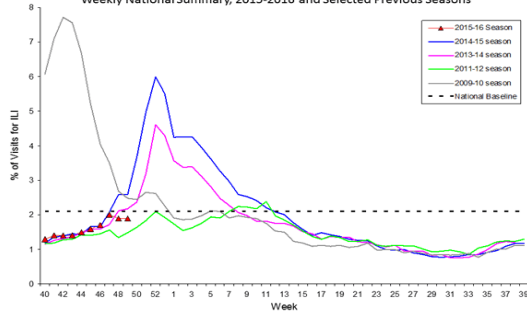


Canada: Influenza/ILI activity by province/territory, EW 49, 2015
Actividad de Influenza/ETI por provincia/territorio, SE 49, 2015
Figure 1. Map of overall influenza/ILI activity level by province and territory, Canada, Week 49

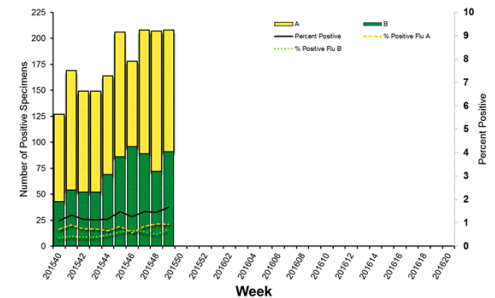


- As of EW 49, ILI activity (1.9%) remained low and below the national baseline (2.1%). Four of 10 regions reported ILI at or above regional levels / A la SE 49, la actividad de ETI (1,9%) continúa baja y por debajo de la línea de base nacional (2,1%). Cuatro de las 10 regiones reportaron ETI en o por encima de los niveles regionales
- Influenza detections increased this EW from 1.5% to 1.7% / Las detecciones de influenza incrementaron esta SE de 1.5% a 1.7%
- Pneumonia and influenza mortality (6%) remained below the epidemic threshold of 6.7% for EW 49 / La mortalidad por neumonía e influenza (6%) se mantiene por debajo del umbral epidémico de 6,7% para la SE 49
- RSV activity increased from 16% in EW 48 to 21% positivity in EW 49 / La actividad de VSR incrementó de 16% en la SE 48 a 21% de positivos en la SE 49
- This week, the United States of America reported one human infection with an influenza A (H1N1) variant (H1N1v) virus in a patient who lived and worked in an area near where swine were housed but no direct contact with swine was reported in the week prior to illness onset. The patient was not hospitalized, has fully recovered and no ongoing human-to-human transmission has been identified / Esta semana, los Estados Unidos de América reportaron una infección humana causada por influenza A (H1N1) variante (H1N1v) virus, en un paciente que vivió y trabajó en una zona cercana a donde se alojaron cerdos. No se reportó contacto directo con cerdos en la semana previa al inicio de la enfermedad. El paciente no fue hospitalizado, se ha recuperado totalmente y no fue identificada transmisión continua de humano a humano

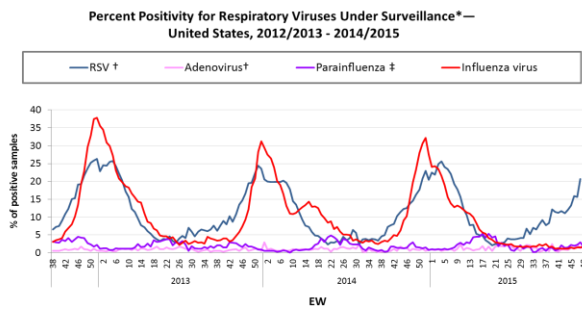
US: Percent of ILI visits by EW, 2015-16
 Porcentaje de consultas ETI por SE, 2015-16
 Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



US: Influenza virus distribution by EW, 2015-16
 Distribución de virus de influenza por SE, 2015-16
 Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2015-2016 Season



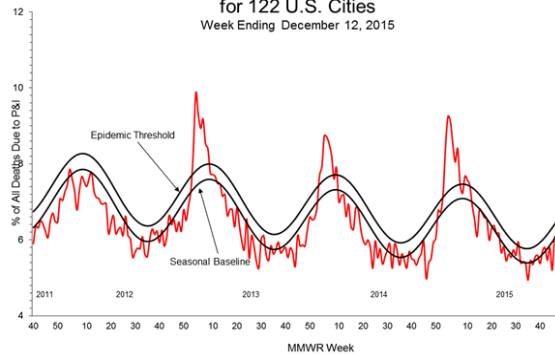
US: Percent positivity for respiratory virus under surveillance, by EW, 2012-15
 Porcentaje de positividad para virus respiratorios en vigilancia, por SE, 2012-15



*For adenovirus, parainfluenza 1,2,3, and RSV, data are from NREVSS Laboratories (<http://www.cdc.gov/surveillance/nrevss/fortinfluenza>), data are from U.S. WHO/NREVSS Collaborating Laboratories (<http://www.cdc.gov/flu/weekly/>)
 † Antigen detection is reported
 ‡ Percent positive of Parainfluenza aggregates the % of positive samples from parainfluenza type 1, type 2 and type 3. Assuming that each sample was tested for the 3 sub-types.

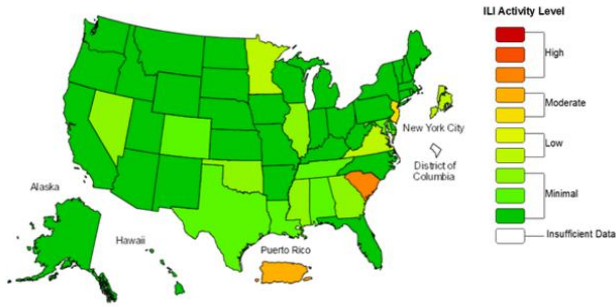
US: Pneumonia and influenza mortality
 Mortalidad por neumonía e influenza

Pneumonia and Influenza Mortality for 122 U.S. Cities
 Week Ending December 12, 2015



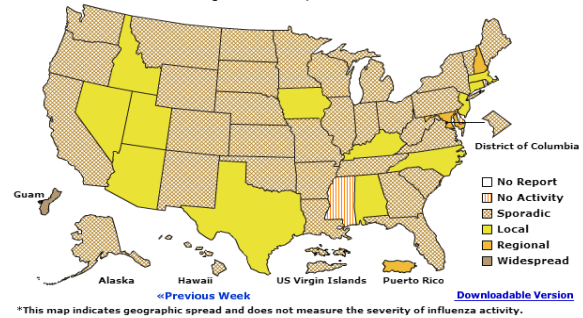
U.S.A.: Nivel de actividad de ETI. SE 49, 2015

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2015-16 Influenza Season Week 49 ending Dec 12, 2015



U.S.A.: Dispersión geográfica de influenza. SE 49, 2015

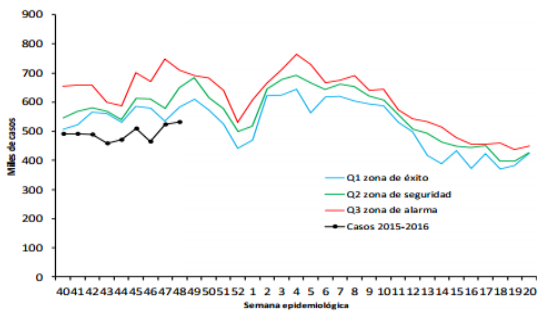
A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending December 12, 2015- Week 49



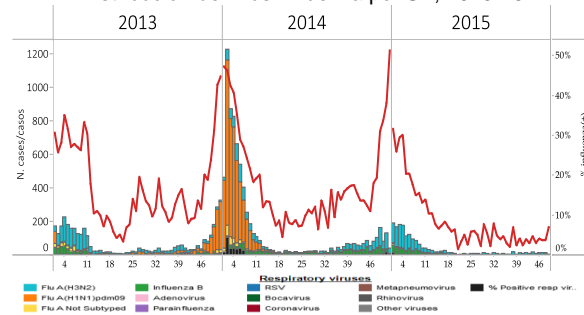
México

- ARI activity slightly increased but remained below expected levels / La actividad de IRA incrementó ligeramente pero continúa por debajo de niveles esperados
- Pneumonia activity slightly decreased in EW 49 and remained within expected levels/ La actividad de neumonía disminuyó en la SE 49, pero se mantiene por debajo de niveles esperados
- As of EW 48, influenza detections remained low at inter-seasonal levels/ A la SE 48, las detecciones de influenza continúan bajas y en niveles inter-estacionales

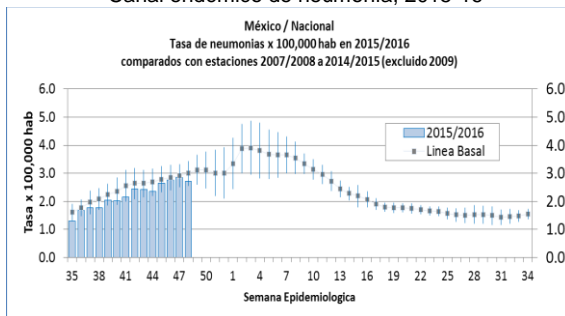
Mexico: ARI Endemic Channel, EW 48, 2015
Canal Endémico de IRA, SE 48, 2015



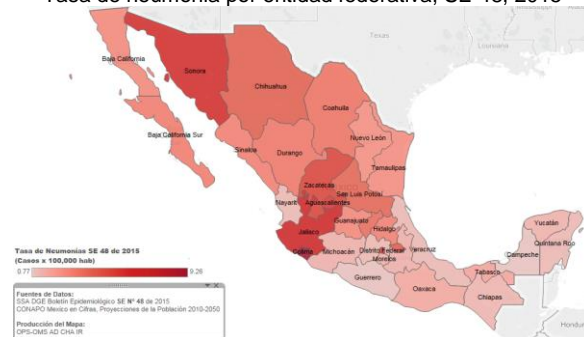
Mexico: Influenza virus distribution by EW 2013-15
Distribución de virus influenza por SE, 2013-15



Mexico: Pneumonia Endemic Channel, 2015-16
Canal endémico de neumonía, 2015-16



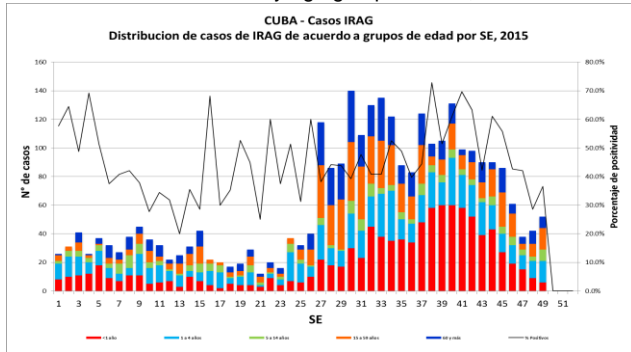
Mexico: Pneumonia rate by state, EW 48, 2015
Tasa de neumonía por entidad federativa, SE 48, 2015



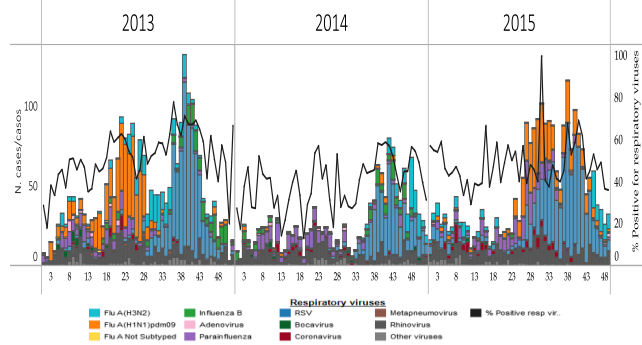
Cuba

- The number of SARI cases continued to increase in recent weeks / El número de casos IRAG continúa incrementando en las últimas semanas
- Influenza A(H3N2) slightly increased and predominated in recent weeks/ Influenza A(H3N2) increment ligeramente y ha predominado en las últimas semanas
- Regarding other respiratory viruses, RSV detections continued to decrease/ Respecto a otros virus respiratorios, las detecciones por VSR continúan disminuyendo

Cuba: SARI cases by age group and EW, 2015



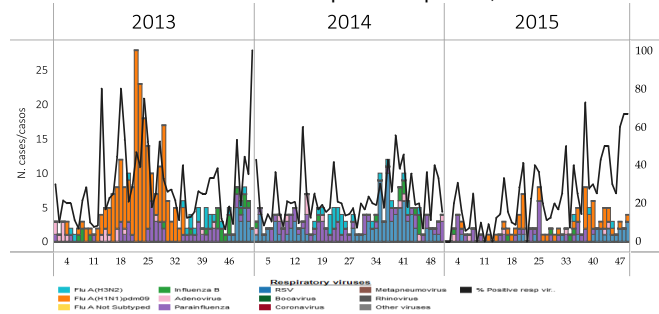
Cuba. Respiratory virus distribution by EW, 2013-15



Dominican Republic / República Dominicana

- Respiratory virus activity remained low with RSV activity slightly increasing in recent weeks / Continúa la actividad baja de virus respiratorios, con incremento ligero de VSR en las últimas semanas
- Influenza activity remained low, with influenza A(H1N1)pdm09 predominating in recent weeks/ La actividad de influenza continúa baja, con predominio de influenza A(H1N1)pdm09 en las últimas semanas

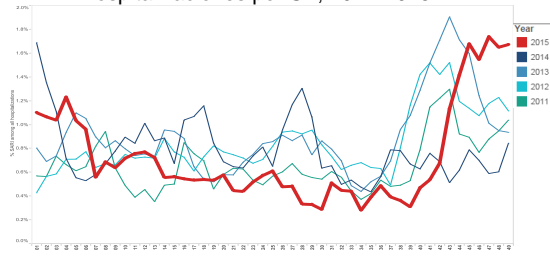
Dominican Republic: Respiratory virus distribution by EW, 2013-15



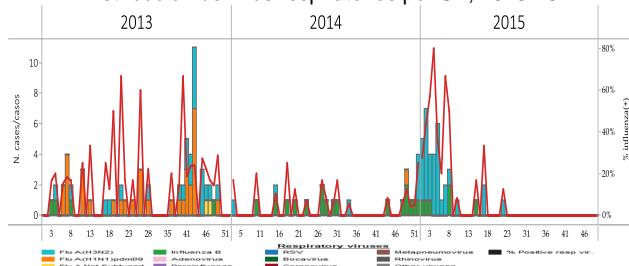
Jamaica

- SARI activity continued at low levels. The proportion of admissions for SARI remained low (1.7%) in EW 49 and there were no SARI related deaths reported this week / La actividad de IRAG se mantiene en niveles bajos. La proporción de casos IRAG continúa baja (1,7%) en la SE 49 y no se notificó ningún fallecido relacionado con IRAG esta semana
- The proportion of consultations for ARI (i.e ILI) reported from sentinel sites slightly decreased to 4.3% in EW 49 (from 4.5%) / La proporción de consultas por IRA (ETI) notificada en sitios centinela disminuyó a 4,3% en la SE 49 respecto al 4,5% de la última semana
- Low respiratory virus activity continued through EW 49. No influenza detections were reported since EW 23 / A la SE 49, continúa la baja la actividad de virus respiratorios. No se han notificado detecciones de influenza desde la SE 23
- In EW 49, the rate of pneumonia cases decreased in all provinces except Hanover / En la SE 49, la tasa de neumonía disminuyó en todas las provincias excepto en Hanover

Jamaica: % hospitalizaciones de casos IRAG entre total de hospitalizaciones por SE, 2011-2015



Jamaica: Influenza virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE, 2013-15



Jamaica: Tasa de casos por neumonia por 100.000 habitantes y por division de administrativa. SE 49, 2015.

Rate of pneumonia cases per 100,000 inhabitants by administrative division, EW 49, year: 2015

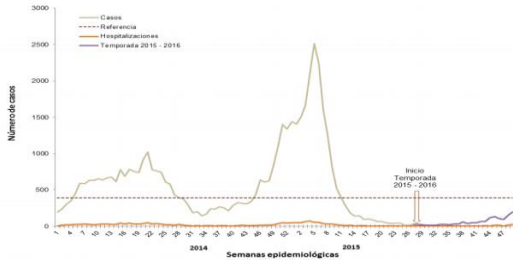


Puerto Rico

- Influenza detections increased in recent weeks but remained below expected levels / Las detecciones de influenza incrementaron en las últimas semana, pero continúan por debajo de niveles esperados
- ILI activity increased but remained below expected levels / La actividad de ETI incrementó pero continúa por debajo de los niveles esperados

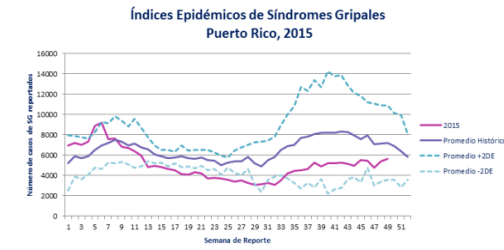
Puerto Rico: Influenza-positive cases by EW, 2014-15
Casos positivos a influenza por SE, 2014-15

Gráfica 1. Número de casos positivos a influenza por prueba rápida, Puerto Rico, 2015



Puerto Rico: ILI endemic channel 2015

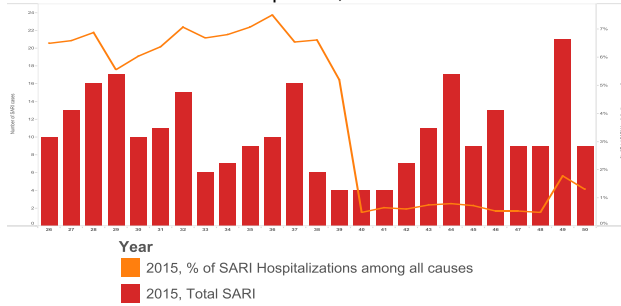
GRÁFICA 4. Informe de Índices Epidémicos de Síndromes Gripales, Semana 49, Puerto Rico 2015



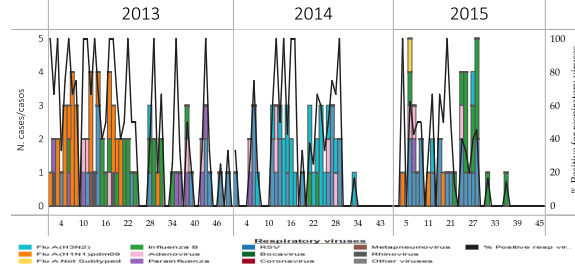
Suriname

- SARI cases and ICU admissions increased slightly in recent weeks / Los casos de IRAG y los ingresos a UCI se incrementaron ligeramente en las últimas semanas
- Low respiratory virus activity was reported in recent weeks with influenza B predominating / Actividad baja de virus respiratorios reportada en las últimas semanas, con predominio de influenza B

Suriname: SARI cases and % SARI hospitalizations among all causes by EW, 2015
Casos IRAG y % de hospitalizaciones IRAG entre todas las causas por SE, 2015



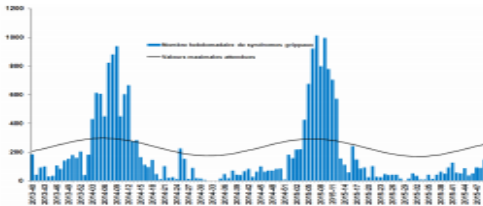
Suriname: Respiratory virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE, 2013-15



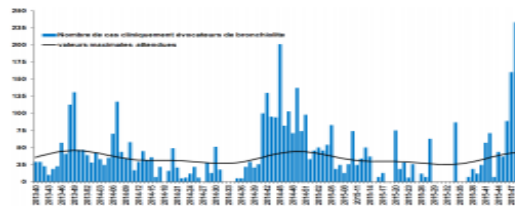
French territories in the Americas / Territorios franceses en las Américas

- ILI activity increased but was below expected levels in Martinique and Guadeloupe/ La actividad por ETI se incrementó ligeramente, pero continúa por debajo de niveles esperados en Martinica y Guadalupe
- Guadeloupe and Martinique reported an increase above expected levels of bronchiolitis activity in recent weeks / Guadalupe y Martinica reportaron actividad elevada y por encima de niveles de bronquiolitis en las últimas semanas

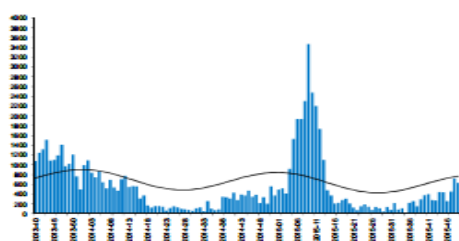
Guadeloupe: ILI activity by EW, 2011-2015
Guadeloupe: Actividad de ETI por SE, 2011-15
Nombre de consultations chez un médecin généraliste pour syndrome grippal, Guadeloupe, octobre 2013 à novembre 2015.



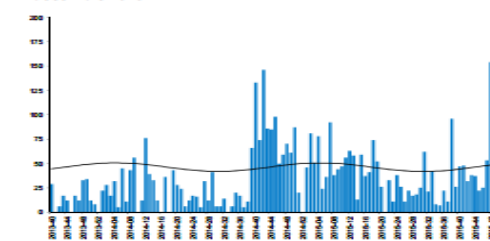
Guadeloupe: Bronchiolitis activity by EW, 2010-2015
Guadeloupe: Actividad de bronquiolitis por SE, 2010-15
Nombre hebdomadaire de consultations chez un médecin généraliste pour bronchiolite, Guadeloupe, octobre 2013 à novembre 2015.



Martinique: ILI activity by EW, 2011-2015
Martinica: Actividad de ETI por SE, 2011-15
Nombre de consultations chez un médecin généraliste pour syndrome grippal, Martinique, octobre 2013 à décembre 2015



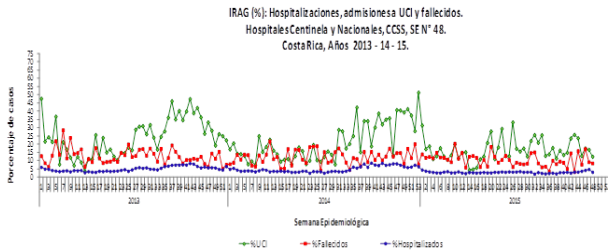
Martinique: Bronchiolitis activity by EW, 2010-2015
Martinica: Actividad de bronquiolitis por SE, 2010-15
Nombre hebdomadaire de consultations chez un médecin généraliste pour bronchiolite, Martinique, octobre 2013 à décembre 2015.



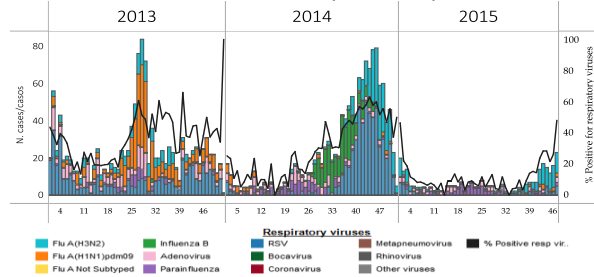
Costa Rica

- SARI activity continued at moderate levels but decreased / La actividad de IRAG continúa en niveles moderados, pero decreciendo
- Influenza A(H3N2) continued to increase and predominate in recent weeks / Influenza A(H3N2) continúa incrementando y ha predominado en las últimas semanas

Costa Rica: Proportion of SARI-Associated Hospitalizations, ICU Admissions and Deaths, by EW, 2013-15



Costa Rica: Respiratory virus distribution, by EW, 2013-15

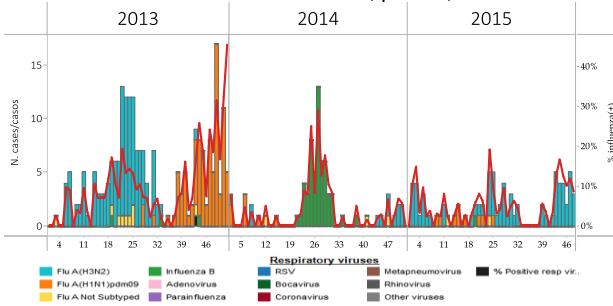


Fuente: Hospitales y Áreas de Salud Centinela - Hospitales Nacionales, CCSS.

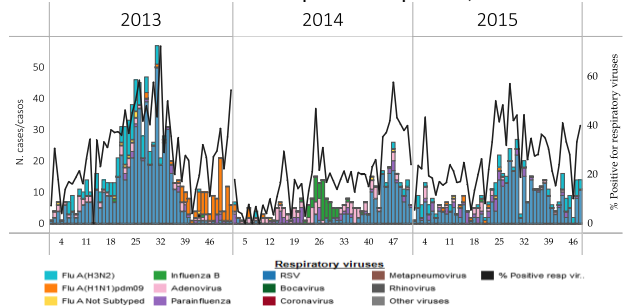
El Salvador

- Overall, influenza activity was low, but influenza A(H3N2) detections continued to increase in recent weeks / En general, la actividad de influenza continua baja, pero las detecciones por influenza A(H3N2) continúan incrementando en las últimas semanas
- Other respiratory virus detections slightly increased in EW 48 with RSV predominating / Las detecciones de otros virus respiratorios incrementaron en la SE 48, con predominio de VSR

El Salvador: Influenza virus distribution, by EW, 2013-15



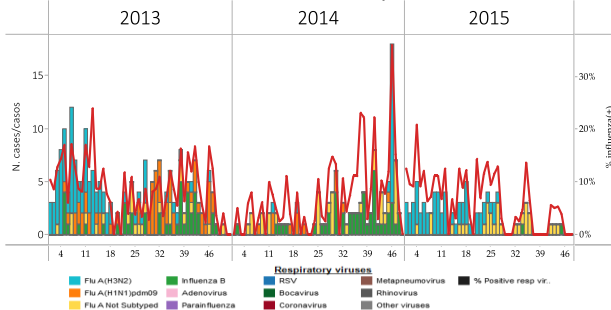
El Salvador: Respiratory virus distribution, by EW, 2013-15



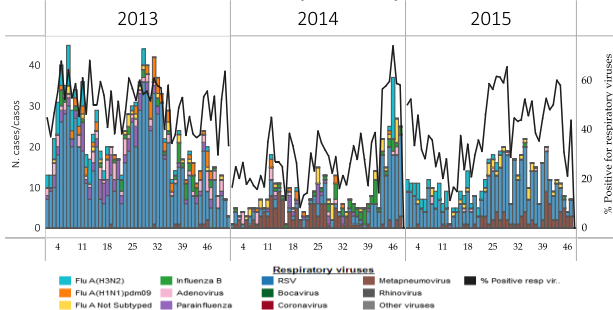
Guatemala

- No influenza activity has been reported in recent weeks / No se reporta actividad de influenza en las últimas semanas
- Overall, other respiratory virus detections were low, but RSV detections slightly increased this EW / En general, la actividad de otros virus respiratorios continúa baja, pero las detecciones de VSR incrementaron ligeramente esta SE

Guatemala: Influenza virus distribution, by EW, 2013-15

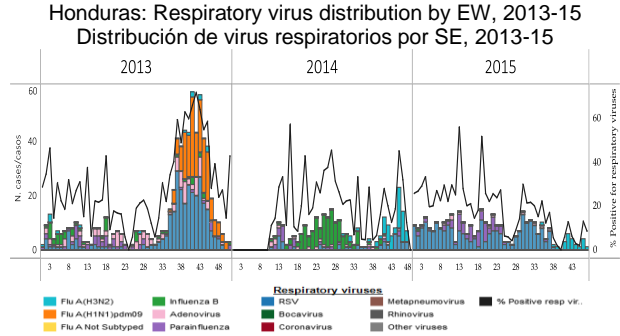
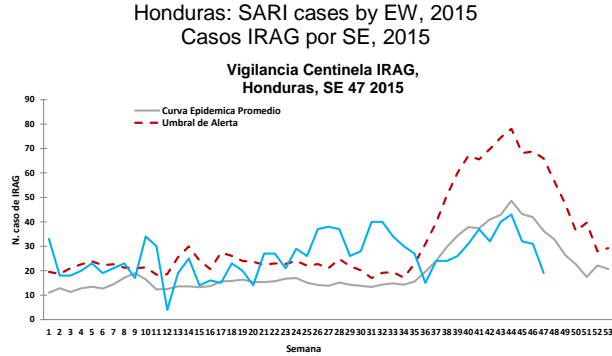


Guatemala: Respiratory virus distribution, by EW, 2013-15



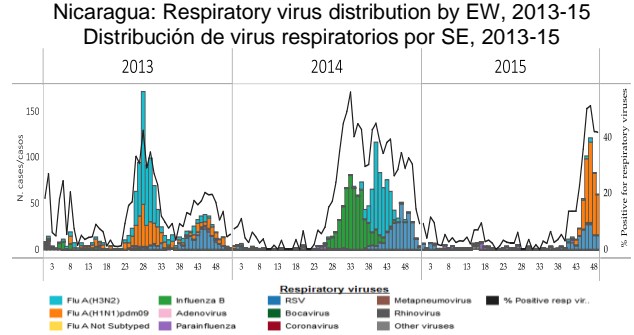
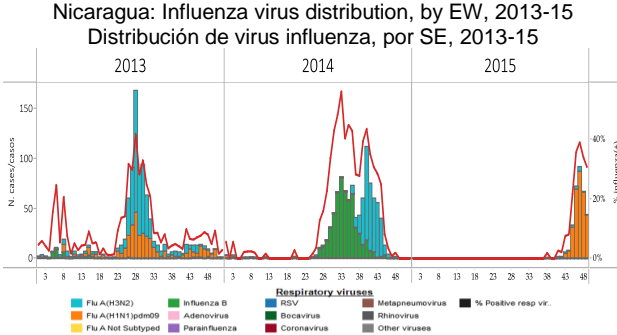
Honduras

- SARI activity decreased in recent weeks and remained below expected levels / La actividad de IRAG disminuyó en las últimas semanas y continúa por debajo de niveles esperados
- Low RSV activity was reported in recent weeks / Actividad baja de VSR registrada en las últimas semanas
- Influenza A(H3N2) detections slightly decreased in recent weeks / Las detecciones por influenza A(H3N2) disminuyeron ligeramente en las últimas semanas

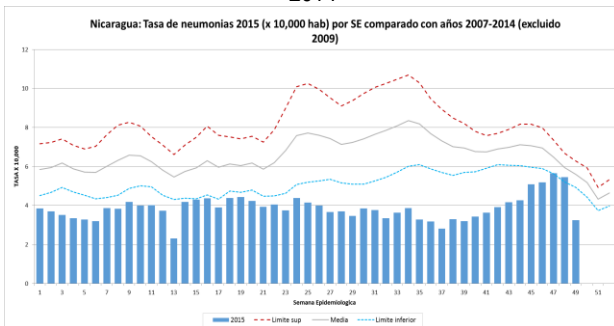


Nicaragua

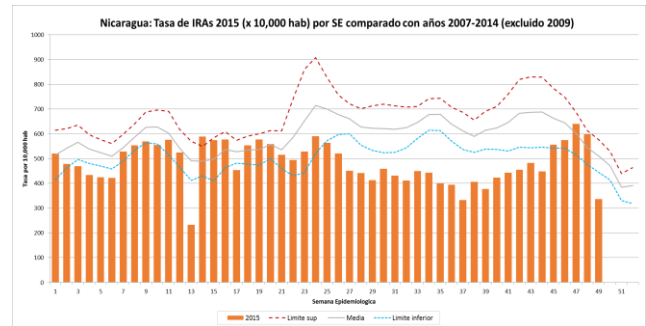
- Influenza A(H1N1)pdm09 activity increased in recent weeks / La actividad de influenza A(H1N1)pdm09 incrementó en las últimas semanas
- RSV detections decreased in recent weeks / Las detecciones de VSR han disminuido en las últimas semanas
- ARI and pneumonia activity decreased and remained below expected levels / La actividad de IRA y neumonía disminuyó y continúa por debajo de niveles esperados



Nicaragua: Pneumonia rate by EW 2015 in comparison to 2007-2014

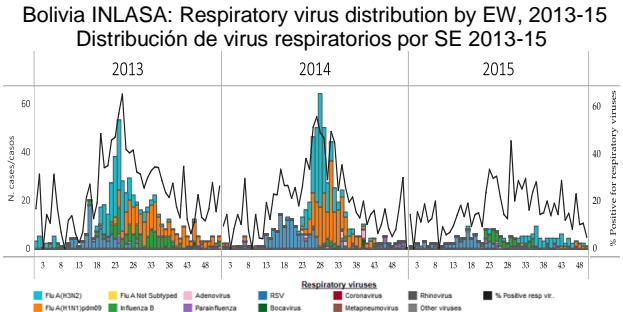
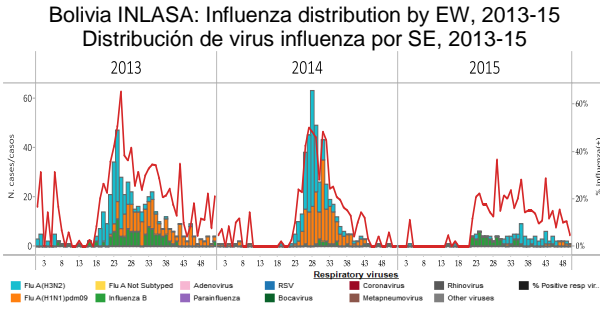


Nicaragua: ARI rate by EW 2015 in comparison to 2007-2014



Bolivia – La Paz (INLASA)

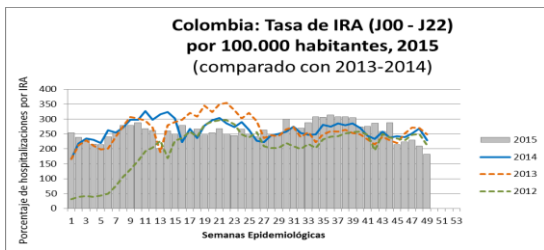
- In La Paz, low influenza activity was reported with influenza A(H3N2) predominating / En La Paz, se ha reportado actividad baja de influenza, con predominio de influenza A(H3N2)
- Overall, other respiratory virus activity was low / En general, la actividad de otros virus respiratorios continúa baja



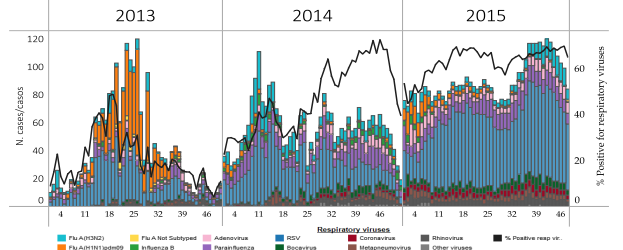
Colombia

- ARI activity continued to decrease this week and was below levels reported in 2012-2014 / La actividad de IRA continúa disminuyendo esta semana y está por debajo de los niveles reportados en 2012-2014
- SARI activity continued to decrease this week and was similar to 2014 levels / La actividad de IRAG continúa disminuyendo esta semana y se mantiene similar a los niveles de 2014
- As of EW 48, RSV activity remained high / A la SE 48, la actividad de VSR continúa siendo alta
- Influenza activity remained low with influenza A(H3N2) activity predominating / La actividad de influenza se mantiene baja, con predominio de influenza A(H3N2)

Colombia: Rates of ARI, by EW 2015, in comparison to 2012-2014

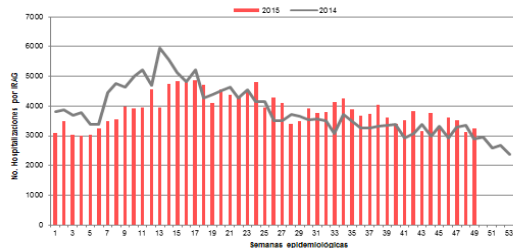


Colombia: Respiratory virus distribution by EW, 2013-15

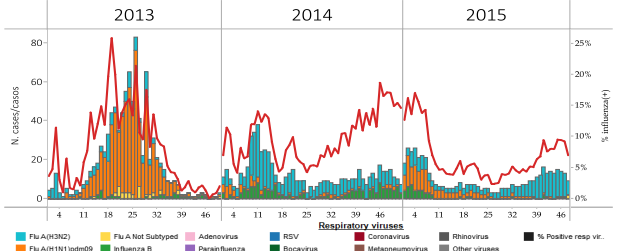


Colombia: SARI cases by EW, 2015 in comparison to 2014

Gráfica 5. Hospitalizaciones por IRAG, Colombia, a semana epidemiológica 49 de 2015

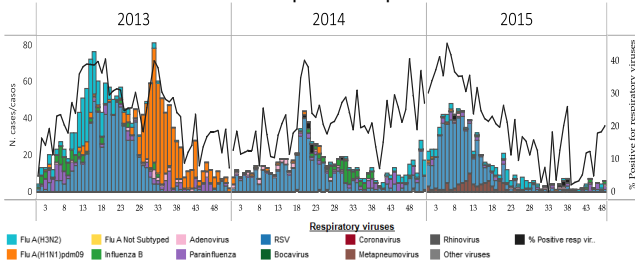


Colombia. Influenza virus distribution by EW, 2013-15

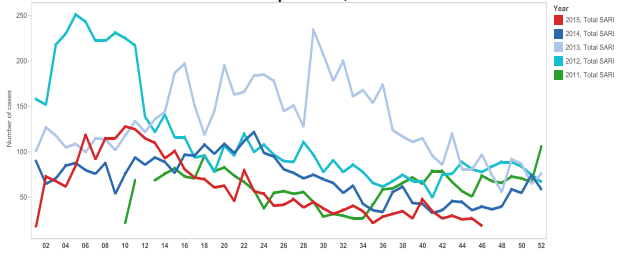


- Low detection of influenza and other respiratory viruses was reported in recent weeks / Actividad baja de influenza y otros virus respiratorios reportada en las últimas semanas
- SARI cases remained within expected levels and continued to decrease / Los casos de IRAG se mantienen dentro de niveles esperados y continúan disminuyendo

Ecuador. Respiratory virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE 2013-15



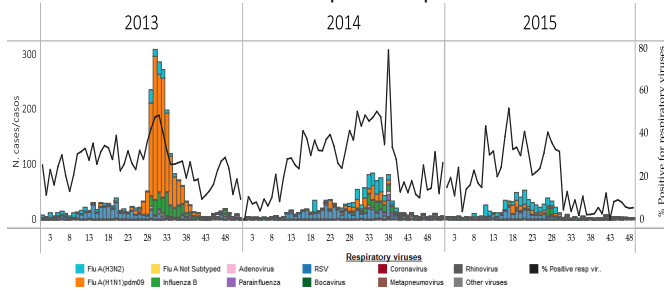
Ecuador: SARI cases by EW, 2011-2015
Casos IRAG por SE, 2011-2015



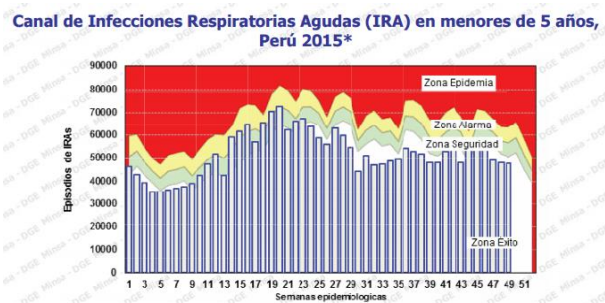
Peru

- Low detections of influenza and other respiratory viruses were reported in recent weeks / Bajas detecciones de influenza y de otros virus respiratorios en las últimas semanas
- ARI activity in children under 5 years decreased in the last few weeks and remained within expected levels / La actividad de IRA en menores de 5 años disminuyó en las últimas semanas y continúa por debajo de niveles esperados

Peru. Respiratory virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE 2013-15

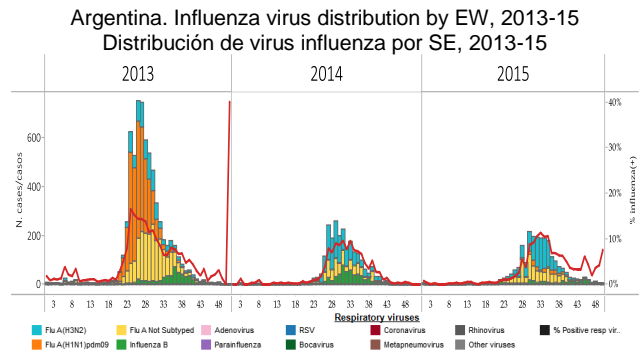
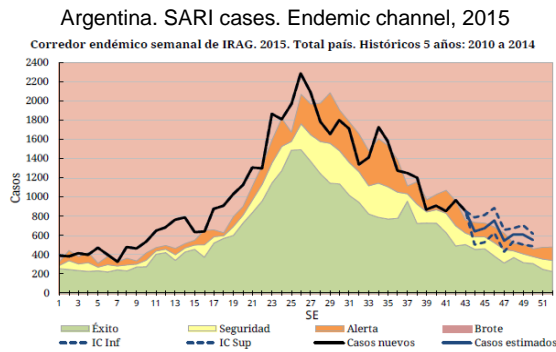
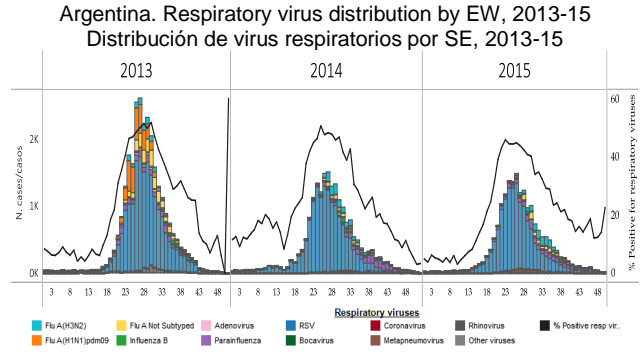
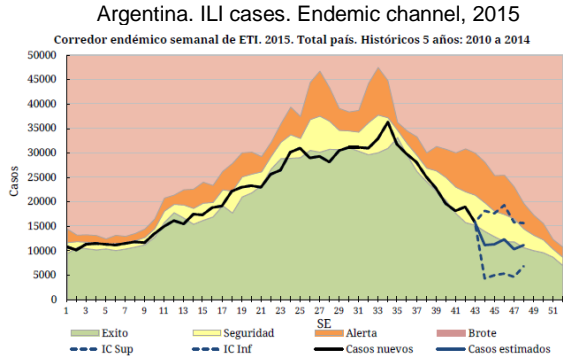


Peru. ARI endemic channel in children under 5 years, by EW 2015
Canal de Infecciones Respiratorias Agudas (IRA) en menores de 5 años, Perú 2015*



Argentina

- ILI activity continued to decrease and remained within expected levels / La actividad de ETI continua disminuyendo y permanece dentro de niveles esperados
- SARI activity slightly decreased this EW / La actividad de IRAG disminuyó esta SE
- As of EW 49, low influenza and other respiratory viruses activity was reported / A la SE 49, se reporta baja actividad de influenza y otros virus respiratorios

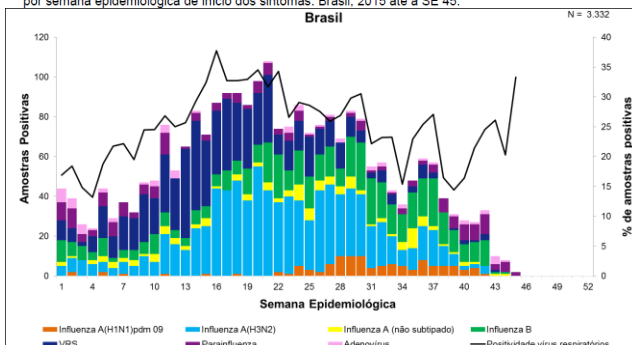


Brazil

- ILI/SARI activity was low and continued to decrease / Actividad baja de ETI/IRAG y continúa disminuyendo
- A downward trend of respiratory virus activity was reported in recent weeks/ Tendencia decreciente de actividad por virus respiratorios en las últimas semanas

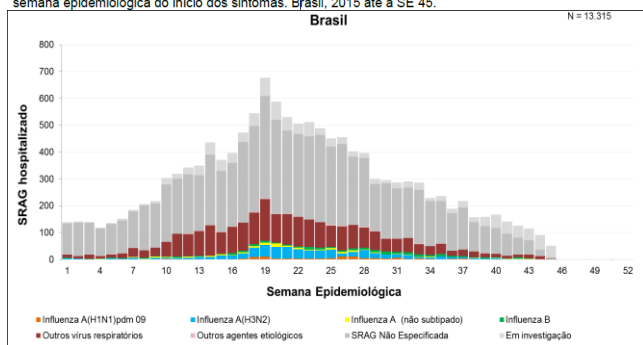
Brazil: Respiratory virus distribution in ILI cases, by EW, 2015
Distribución de virus respiratorios en casos ETI, por SE, 2015

Figura 1. Distribuição dos vírus respiratórios identificados nas unidades sentinelas de Síndrome Gripal, por semana epidemiológica de início dos sintomas. Brasil, 2015 até a SE 45.



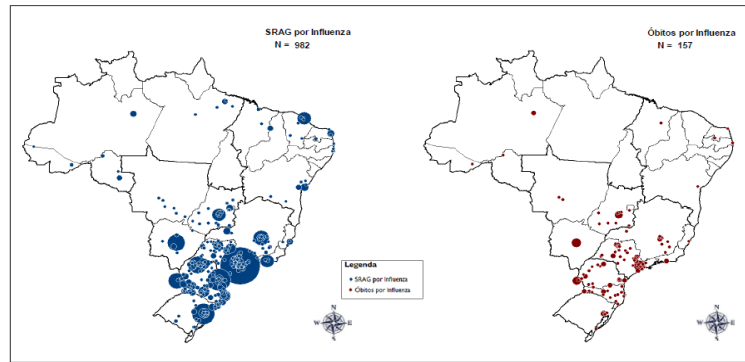
Brazil: Respiratory virus distribution, SARI cases, by EW, 2015
Distribución de virus respiratorios, casos IRAG, por SE, 2015

Figura 3. Distribuição dos casos de Síndrome Respiratória Aguda Grave segundo agente etiológico e semana epidemiológica do início dos sintomas. Brasil, 2015 até a SE 45.



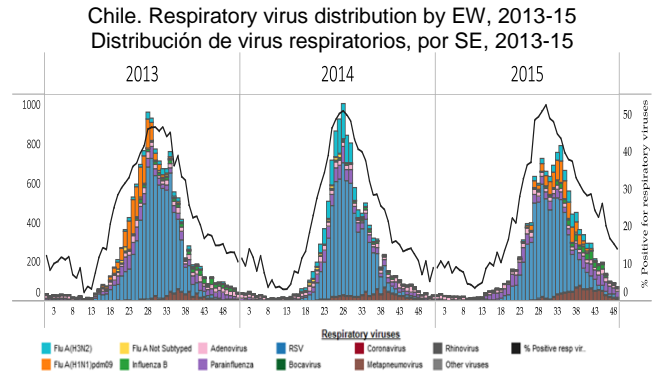
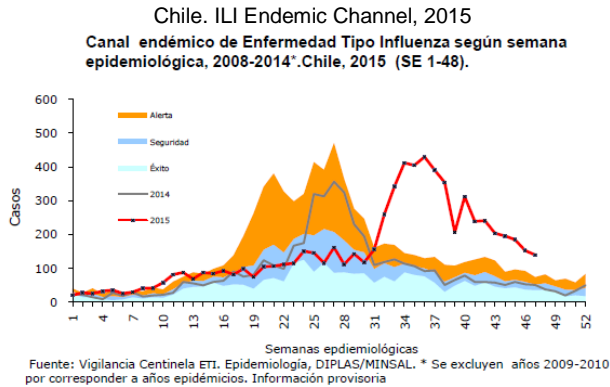
Brazil: Distribution of SARI hospitalizations and deaths by municipality and influenza type/subtype by region
Distribución de hospitalizaciones y fallecidos por IRAG por municipio y tipo/subtipo de influenza por región

Anexo 4. Distribuição espacial dos casos e óbitos por Síndrome Respiratória Aguda Grave confirmados para influenza por município de residência, Brasil, 2015 até a SE 45.

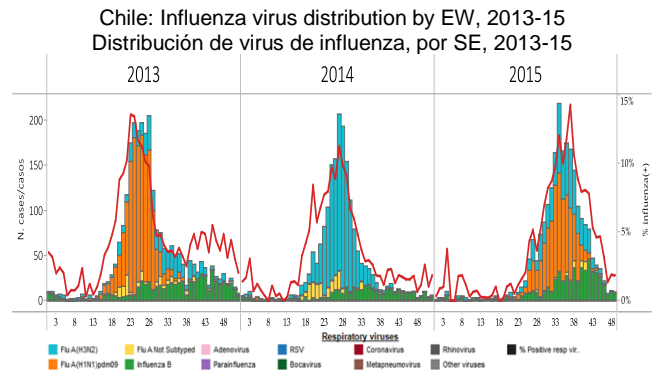
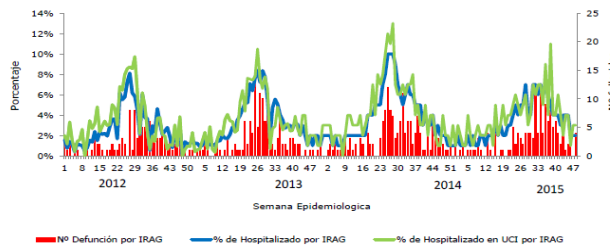


Chile

- In EW 48, ILI activity continued to decrease and remained at moderate levels for this period / La actividad de ETI continúa disminuyendo a la SE 48 y se mantiene en niveles moderados para esta época
- The percentage of SARI hospitalizations (<3% in EW 48) and ICU (3%) remained low / El porcentaje de hospitalizaciones por IRAG (<3% en SE 48) y UCI (3%) se mantiene bajo
- Overall, other respiratory viruses activity continued to decrease / En general, la actividad de otros virus respiratorios continúa disminuyendo
- Influenza detections continued to decrease with influenza B predominating in EW 49 / Las detecciones por influenza continúan disminuyendo con predominio de influenza B en la SE 49



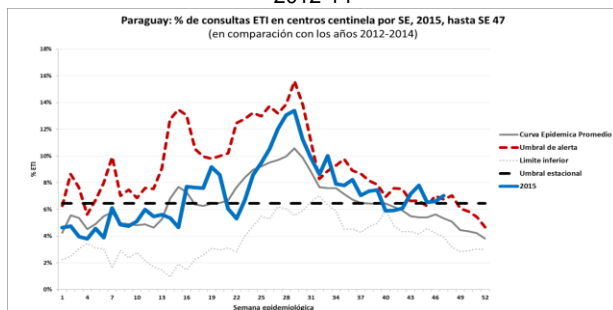
Chile. % SARI admissions, ICU admissions and Deaths, 2012-15
 Porcentaje de hospitalizados, ingreso a UCI y número de fallecidos por IRAG según SE en Hospitales Centinela, Chile, 2012 - 2015 (*).



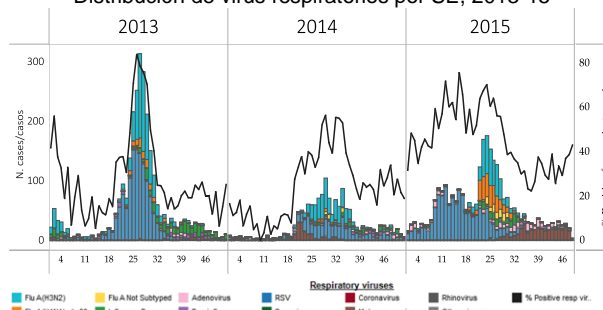
Paraguay

- ILI activity increased slightly this week but continued within expected levels/ La actividad de ETI incrementó ligeramente esta semana, pero continúa dentro de niveles esperados
- SARI activity remained at low levels and remained below the seasonal threshold / La actividad de IRAG continúa dentro de niveles bajos y por debajo del umbral epidémico
- Influenza activity remained low as of EW 48 / La actividad de influenza continúa baja a la SE 48
- RSV activity remained low and metapneumovirus decreased in recent weeks / Baja actividad de VSR y metapneumovirus ha disminuido en las últimas semanas

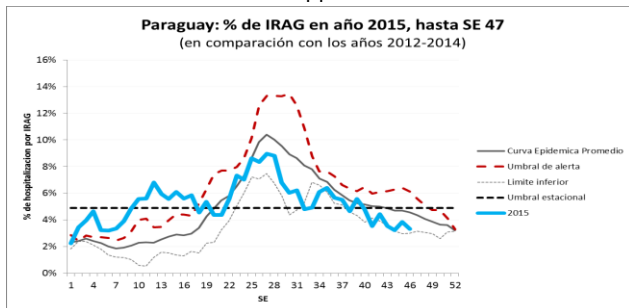
Paraguay: % ILI sentinel visits 2015 by EW in comparison with 2012-14



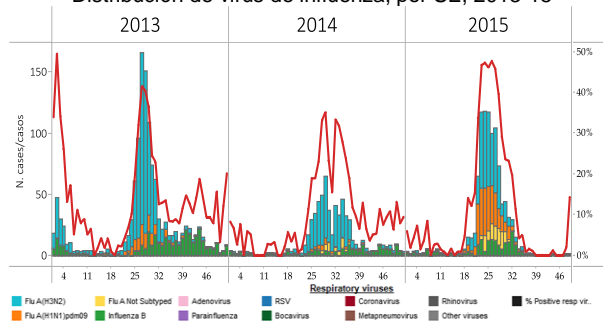
Paraguay. Respiratory virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE, 2013-15



Paraguay: % SARI cases 2015 by EW in comparison with 2012-14



Paraguay: Influenza virus distribution by EW, 2013-15
Distribución de virus de influenza, por SE, 2013-15

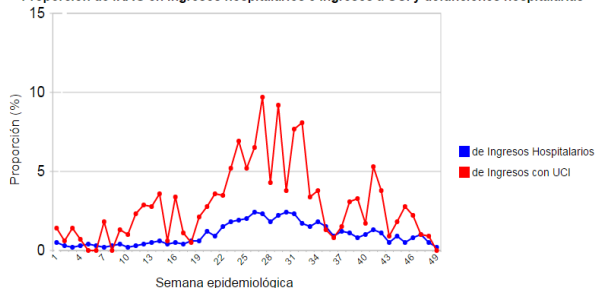


Uruguay

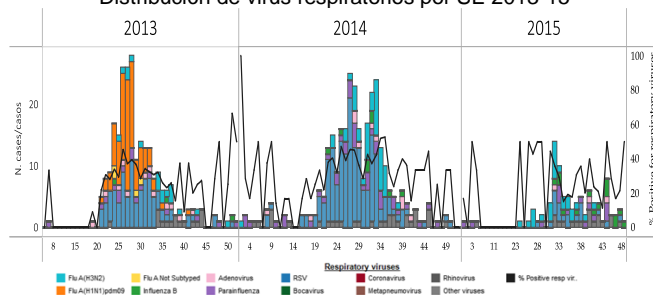
- In EW 49, SARI hospitalizations and ICU admissions continued to decrease as of EW 49/ Las hospitalizaciones y los ingresos a UCI por IRAG continúan disminuyendo a la SE 49
- Influenza and other respiratory virus activity remained low with influenza B predominating in recent weeks / La actividad de influenza y otros virus respiratorios continúa baja, con predominio de influenza B en las últimas semanas

Uruguay: % SARI & ICU admissions by EW, 2015

Proporción de IRAG en ingresos hospitalarios e ingresos a UCI y defunciones hospitalarias



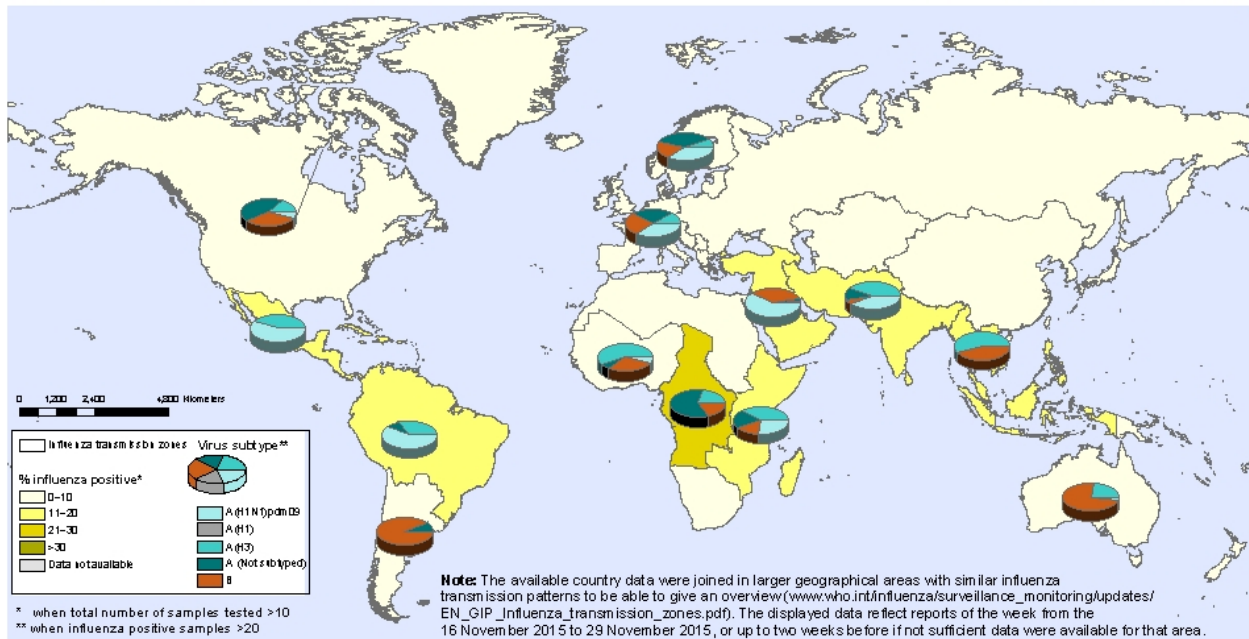
Uruguay: Respiratory virus distribution by EW, 2013-15
Distribución de virus respiratorios por SE 2013-15



- Globally, influenza activity remained low / A nivel global, la actividad de influenza se mantiene baja
- National Influenza Centres (NICs) and other national influenza laboratories from 79 countries, areas or territories reported data to FluNet for the time period from 16 to 29 November 2015. The WHO GISRS laboratories tested more than 52,160 specimens during that time period. 1,615 were positive for influenza viruses, of which 1,162(72%) were typed as influenza A and 453 (28%) as influenza B. Of the sub-typed influenza A viruses, 408 (42.7%) were influenza A(H1N1)pdm09 and 548 (57.3%) were influenza A(H3N2). Of the characterized B viruses, 182 (74.9%) belonged to the B-Yamagata lineage and 61 (25.1%) to the B-Victoria lineage / Los Centros Nacionales de Influenza (NICs) y otros laboratorios nacionales de influenza de 79 países, áreas o territorios, reportaron datos a FluNet en el período del 16 al 29 de noviembre del 2015. Los laboratorios de la OMS GISRS realizaron pruebas a más de 52.160 muestras durante ese período. 1.615 tuvieron resultado positivo para virus influenza, de los cuales 1.162 (72%) fueron tipificados como influenza A y 453 (28%) como influenza B. De los virus influenza A subtipificados, 408 (42,7%) fueron influenza A(H1N1)pdm09 y 548 (57,3%) fueron influenza A(H3N2). De los virus influenza B caracterizados, 182 (74,9%) fueron del linaje B-Yamagata y 61 (25,1%) fueron del linaje B-Victoria

**Percentage of respiratory specimens that tested positive for influenza
By influenza transmission zone**

Status as of 10 December 2015



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/flu-net).

ACRONYMS

| | |
|-----------------|---|
| ARI | Acute Respiratory Infection |
| CARPHA | Caribbean Public Health Agency |
| CENETROP | Centro de Enfermedades Tropicales (Santa Cruz, Bolivia) |
| EW | Epidemiological Week |
| ILI | Influenza-like illness |
| INLASA | Instituto Nacional de Laboratorios de Salud (La Paz, Bolivia) |
| INS | Instituto Nacional de Salud |
| ORV | Other respiratory viruses |
| SARI | Severe acute respiratory infection |
| SEDES | Servicio Departamental de Salud (Bolivia) |
| ICU | Intensive Care Unit |
| RSV | Respiratory Syncytial Virus |

ACRÓNIMOS

| | |
|-----------------|---|
| CARPHA | Caribbean Public Health Agency |
| CENETROP | Centro de Enfermedades Tropicales (Santa Cruz, Bolivia) |
| ETI | Enfermedad Tipo influenza |
| INLASA | Instituto Nacional de Laboratorios de Salud (La Paz, Bolivia) |
| INS | Instituto Nacional de Salud |
| IRA | Infección Respiratoria Aguda |
| IRAG | Infección Respiratoria Aguda grave |
| OVR | Otros virus respiratorios |
| SE | Semana epidemiológica |
| SEDES | Servicio Departamental de Salud (Bolivia) |
| UCI | Unidad de Cuidados Intensivos |
| VSR | Virus Sincitial respiratorio |