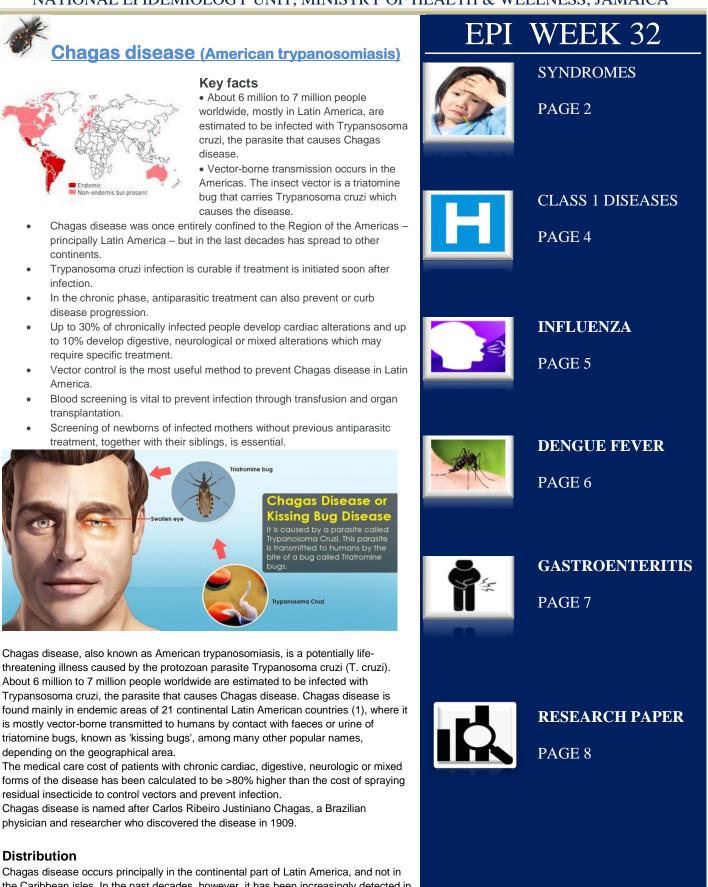
# WEEKLY EPIDEMIOLOGY BULLETIN NATIONAL EPIDEMIOLOGY UNIT, MINISTRY OF HEALTH & WELLNESS, JAMAICA



the Caribbean isles. In the past decades, however, it has been increasingly detected in the United States of America, Canada, and many European and some Western Pacific countries. This is due mainly to population mobility between Latin America and the rest of the world.

### Released August 23, 2019

# SENTINEL SYNDROMIC SURVEILLANCE



ETI

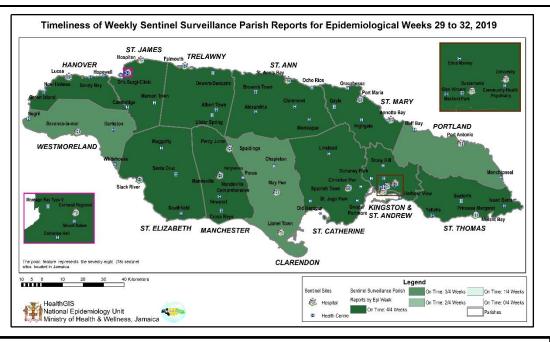


**Parish health departments** submit reports weekly by 3 p.m. on Tuesdays. **Reports submitted after 3** p.m. are considered late.

A syndromic surveillance system is good for early detection of and response to public health events.

Sentinel surveillance occurs when selected health facilities (sentinel sites) form a network that reports on certain health conditions on a regular basis, for example, weekly. Reporting is mandatory whether or not there are cases to report.

Jamaica's sentinel surveillance system concentrates on visits to sentinel sites for health events and syndromes of national importance which are reported weekly (see pages 2 -4). There are seventy-eight (78) reporting sentinel sites (hospitals and health centres) across Jamaica.



Weekly Visits to Sentinel Sites for Undifferentiated Fever All ages: Jamaica,

Weekly Threshold vs Cases 2019

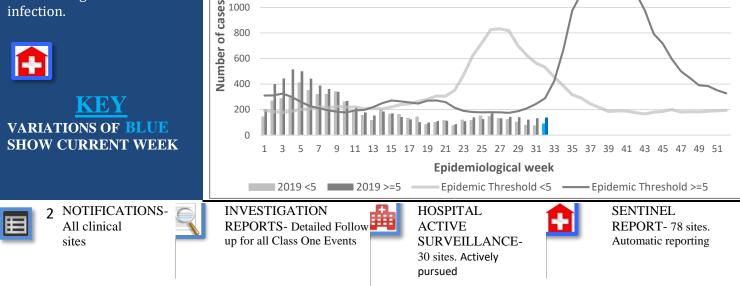
# REPORTS FOR SYNDROMIC SURVEILLANCE

### **FEVER**

Temperature of >38°C  $/100.4^{\circ}F$  (or recent history of fever) with or without an obvious diagnosis or focus of infection.

1400

1200

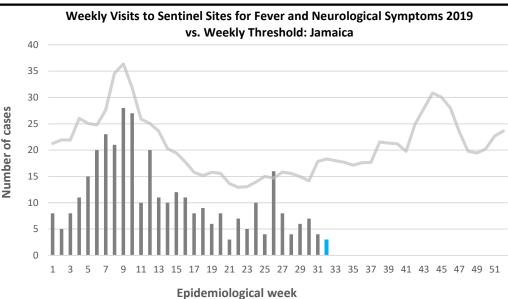


### Released August 23, 2019

### FEVER AND NEUROLOGICAL

Temperature of >38°C /100.4<sup>o</sup>F (or recent history of fever) in a previously healthy person with or without headache and vomiting. The person must also have meningeal irritation, convulsions, altered consciousness, altered sensory manifestations or paralysis (except AFP).





#### 2019 Epidemic Threshold

### **FEVER AND** HAEMORRHAGIC

Temperature of >38°C /100.4<sup>o</sup>*F* (or recent history of fever) in a previously healthy person presenting with at least one haemorrhagic (bleeding) manifestation with or without jaundice. Visits for Fever and Haemorrhagic symptoms were reported in weeks 4 to 8 only, year to date.

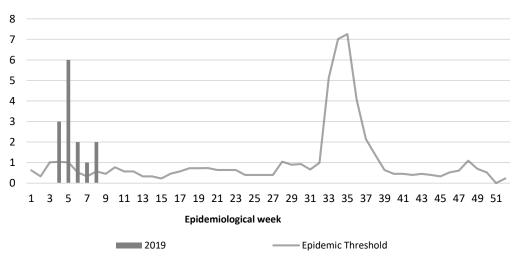
Number of visits



## **FEVER AND JAUNDICE**

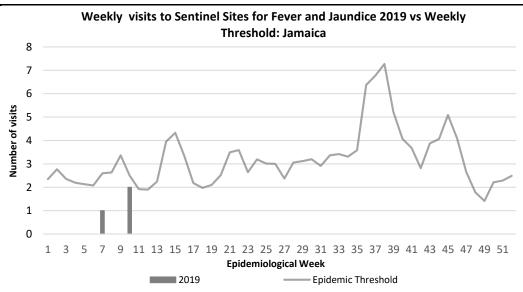
Temperature of  $>38^{\circ}C/100.4^{\circ}F$ (or recent history of fever) in a previously healthy person presenting with jaundice.

The epidemic threshold is used to confirm the emergence of an epidemic in order to implement control measures. It is calculated using the mean reported cases per week plus 2 standard deviations. Visits to sentinel sites for Fever and Jaundice were reported in weeks 7 and 10 only, year to date.



Weekly visits to Sentinel Sites for Fever and Haemorrhagic Symptoms 2019

vs Weekly Threshold; Jamaica





NOTIFICATIONS-All clinical sites



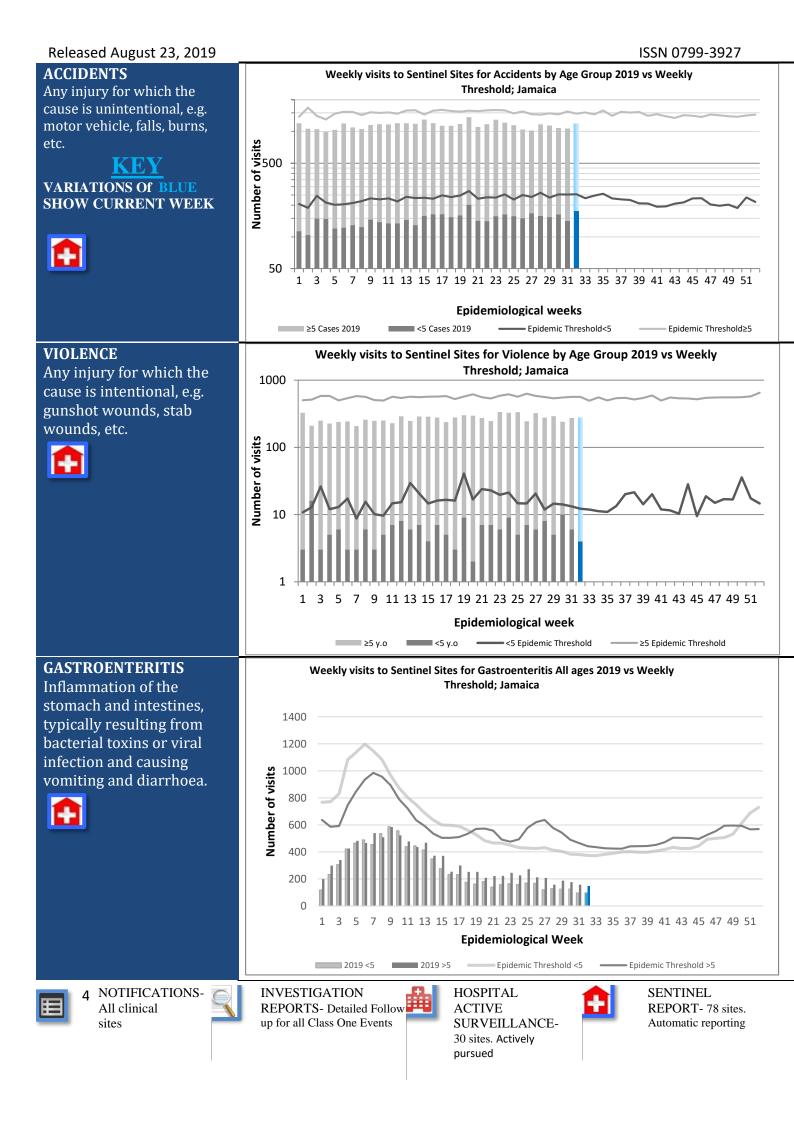
**INVESTIGATION REPORTS-** Detailed Follow up for all Class One Events



HOSPITAL ACTIVE SURVEILLANCE-30 sites. Actively pursued



SENTINEL REPORT- 78 sites. Automatic reporting



### ISSN 0799-3927

# CLASS ONE NOTIFIABLE EVENTS

# Comments

			Confirmed YTD		AFP Field Guides
	CLASS 1 EV	/ENTS	CURRENT YEAR	PREVIOUS YEAR	from WHO indicate that for an effective
NATIONAL /INTERNATIONAL INTEREST	Accidental Poisoning		29	139	surveillance system, detection rates for AFP should be 1/100,000 population under 15 years old (6 to 7) cases annually. Pertussis-like syndrome and Tetanus are clinically confirmed classifications.
	Cholera		0	0	
	Dengue Hemorrhagic Fever*		NA	NA	
	Hansen's Disease (Leprosy)		0	0	
	Hepatitis B		11	24	
	Hepatitis C		2	2	
	HIV/AIDS		NA	NA	
	Malaria (Imported)		0	2	
Z	Meningitis (Clinically confirmed)		15	37	
EXOTIC/ UNUSUAL	Plague		0	0	<ul> <li>* Dengue Hemorrhagic Fever data include Dengue related deaths;</li> <li>** Figures include all deaths associated with pregnancy reported for the period.</li> <li>*** CHIKV IgM positive</li> </ul>
H IGH MORBIDIT/ MORTALIY	Meningococcal Meningitis		0	0	
	Neonatal Tetanus		0	0	
	Typhoid Fever		0	0	
	Meningitis H/Flu		0	0	
SPECIAL PROGRAMMES	AFP/Polio		0	0	
	Congenital Rubella Syndrome		0	0	
	Congenital Syphilis		0	0	
	Fever and Rash	Measles	0	0	positive cases **** Zika PCR positive cases
		Rubella	0	0	
	Maternal Deaths**		38	44	PCK positive cases
	Ophthalmia Neonatorum		116	196	
	Pertussis-like syndrome		0	0	
	Rheumatic Fever		0	0	
	Tetanus		0	0	
	Tuberculosis		30	34	
	Yellow Fever		0	0	
	Chikungunya <sup>***</sup>		0	0	
	Zika Virus <sup>****</sup>		0	0	NA- Not Available
5 NOTIFICATIONS- INVESTIGATION All clinical INVESTIGATION REPORTS- Detailed Follow HOSPITAL ACTIVE REPORT- 78					SENTINEL REPORT- 78 sites

All clinical sites



REPORTS- Detailed Follow up for all Class One Events



ACTIVE SURVEILLANCE-30 sites. Actively pursued



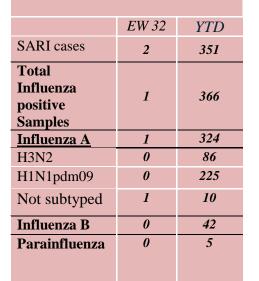
REPORT- 78 sites. Automatic reporting

## Released August 23, 2019

# NATIONAL SURVEILLANCE UNIT INFLUENZA REPORT

# *EW 32*

August 4 – August 10, 2019 Epidemiological Week 32

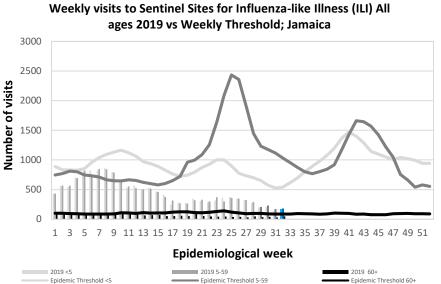


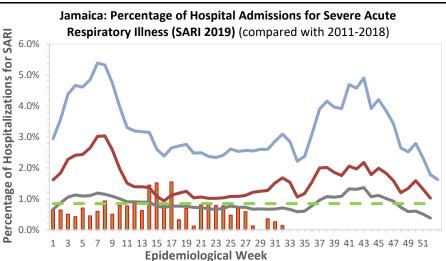
### Epi Week Summary

During EW 32, 1 case of influenza was detected. Percent positivity remained low.

During EW 32, 2 SARI admissions were reported.

<u>Regional Update EW32</u> Caribbean: Influenza and SARI activity were low and continue to decrease in the sub-region. RSV activity was increased in Cuba and the Dominican Republic





Distribution of influenza and subtype

#### **Global Update EW32**

In the temperate zones of the southern hemisphere, influenza activity appeared to have peaked in most countries. In tropical Africa, influenza activity was low across reporting countries, except for a few countries in Eastern Africa. In Southern Asia, influenza activity was low across reporting countries. In South East Asia, influenza activity was decreasing or low across reporting countries except in Myanmar. In the temperate zone of the northern hemisphere, influenza activity remained at inter-seasonal levels. Worldwide, seasonal influenza A viruses accounted for most detections.

> 6 NOTIFICATIONS-All clinical sites



INVESTIGATION REPORTS- Detailed Follow up for all Class One Events

40

35

30

25

20

15

10

5

0

1 3 5

of positive cases

Number

SARI 2019

A(H1N1)pdm09 A(H1) % Flu / total of samples

Average epidemic curve (2011-2017)

HOSPITAL ACTIVE SURVEILLANCE-30 sites. Actively pursued

**Epidemiological week** 

7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51

A not subtyped A(H3)



Alert Threshold

Seasonal Threshold

SENTINEL REPORT- 78 sites. Automatic reporting

A no subtypable
Flu B

80%

70%

60%

50%

40%

30%

20%

10%

0%

positivity

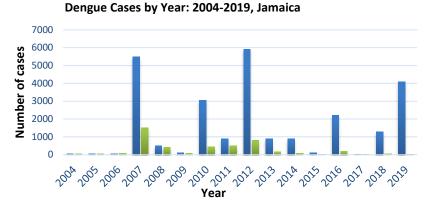
Percent

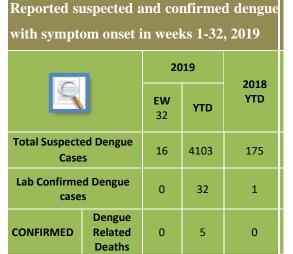
# **Dengue Bulletin**

August 4 – August 10, 2019

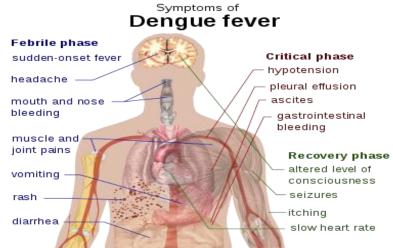
Epidemiological Week 32 Epidemiological Week 32



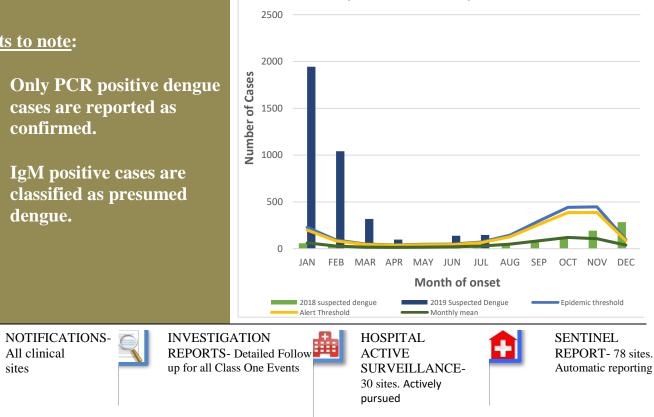




#### ■ Total Suspected ■ Confirmed DF



### Suspected dengue cases for 2018 and 2019 versus monthly mean, alert, and epidemic thresholds



## Points to note:

All clinical

sites

- **Only PCR positive dengue** • cases are reported as confirmed.
- IgM positive cases are 0 classified as presumed dengue.

# **RESEARCH PAPER**

# Working Women and Household Fast-food Consumption

Author: Elroy Galbraith (BSc. Hons, MSc.) Institution: Consumer Affairs Commission Corresponding Author: Elroy Galbraith (BSc. Hons, MSc.) Email: elroy.galbraith@gmail.com

# Abstract

## **Objectives:**

This study examined how the participation of married women in the workforce affected household consumption of food away from home (FAFH) in Jamaica. The main hypothesis was that there was a positive relationship between hours worked by married females and household consumption of FAFH.

# Method:

This study employed a backward step logistic regression on data collected during the 2012 Jamaica Survey of Living Conditions. Data came from households in which the female was in a married or common-law relationship with another household member. The predictors included employment data for bot h the husband and wife; household size, composition, economy and location; as well as the status of the female in the household. The outcome variable was a dummy variable indicating the decision to consume any meal away from home (breakfast, lunch or dinner).

# **Results:**

Participation of the wife in the workforce significantly affected the household consumption of FAFH. Thelo nger the wife worked outside the home the more likely it was for the household to purchase and consume FAFH. The most important predictor was the economy of the household, while the age and status of the female and household size were also significant.

## **Conclusion:**

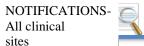
Participation of married females in the workforce increased household consumption of FAFH, even whenco ntrolling for various characteristics of the household. Traditional household divisions of labour along gender lines persist in the developing country, and could possibly pose a threat to nutrition and wellbeing.



The Ministry of Health and Wellness 24-26 Grenada Crescent Kingston 5, Jamaica Tele: (876) 633-7924 Email: surveillance@moh.gov.jm



All clinical sites



**INVESTIGATION REPORTS-** Detailed Follow up for all Class One Events



HOSPITAL ACTIVE SURVEILLANCE-30 sites. Actively pursued



SENTINEL REPORT- 78 sites. Automatic reporting