

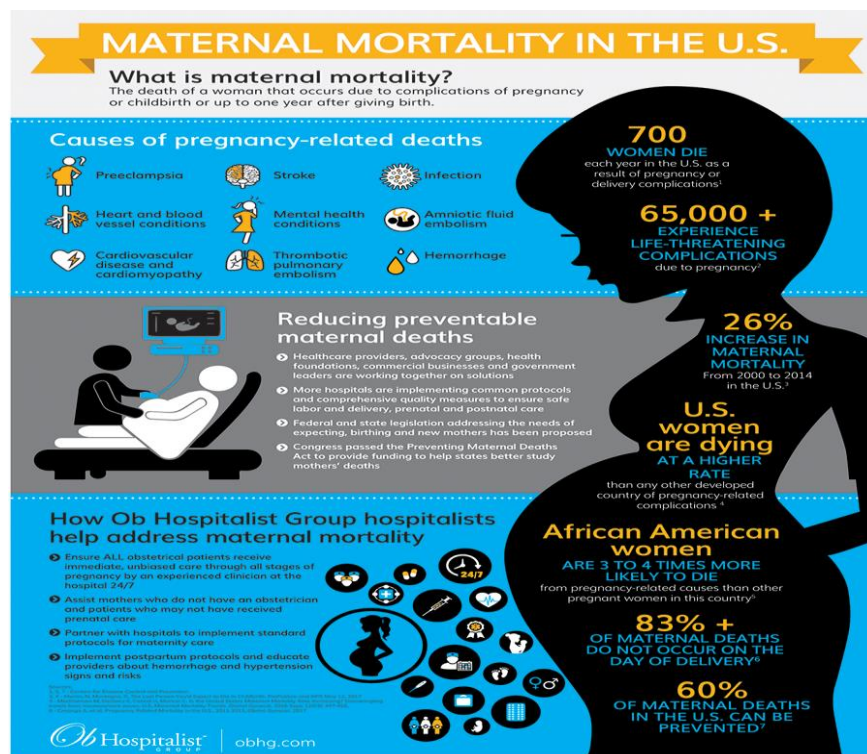
# WEEKLY EPIDEMIOLOGY BULLETIN

NATIONAL EPIDEMIOLOGY UNIT, MINISTRY OF HEALTH & WELLNESS, JAMAICA

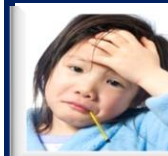
## Maternal health

**Overview:** Maternal health refers to the health of women during pregnancy, childbirth and the postnatal period. Each stage should be a positive experience, ensuring women and their babies reach their full potential for health and well-being. Although important progress has been made in the last two decades, about 295 000 women died during and following pregnancy and childbirth in 2017. This number is unacceptably high. The most common direct causes of maternal injury and death are excessive blood loss, infection, high blood pressure, unsafe abortion, and obstructed labour, as well as indirect causes such as anemia, malaria, and heart disease. Most maternal deaths are preventable with timely management by a skilled health professional working in a supportive environment. Ending preventable maternal death must remain at the top of the global agenda. At the same time, simply surviving pregnancy and childbirth can never be the marker of successful maternal health care. It is critical to expand efforts reducing maternal injury and disability to promote health and well-being. Every pregnancy and birth is unique. Addressing inequalities that affect health outcomes, especially sexual and reproductive health and rights and gender, is fundamental to ensuring all women have access to respectful and high-quality maternity care.

**Global situation:** About 140 million births take place every year and the proportion attended by skilled health personnel has increased: from 58% in 1990 to 81% in 2019. This is mostly due to larger numbers of births taking place at a health facility. Deaths from complications during pregnancy, childbirth, and the postnatal period have declined by 38% in the last two decades, but at an average reduction of just under 3% per year, this pace of progress is far too slow. It also hides vast inequalities within and across countries. More than half of maternal deaths occur in fragile and humanitarian settings. Sub-Saharan Africa and Southern Asia share the greatest burden of maternal deaths, 86% of the global total in 2017. The Sustainable Development Goals (SDGs) offers an opportunity for the international community to work together and accelerate progress to improve maternal health for all women, in all countries, under all circumstances. SDG targets for maternal health include 3.1, aiming for an average global ratio of less than 70 deaths per 100 000 births by 2030, and 3.8, calling for the achievement of universal health coverage. These cannot be achieved without reproductive, maternal, newborn and child health coverage for all.



## EPI WEEK 37



SYNDROMES

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CLASS 1 DISEASES

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INFLUENZA

PAGE 5



DENGUE FEVER

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GASTROENTERITIS

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RESEARCH PAPER

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SENTINEL SYNDROMIC SURVEILLANCE

Sentinel Surveillance in Jamaica



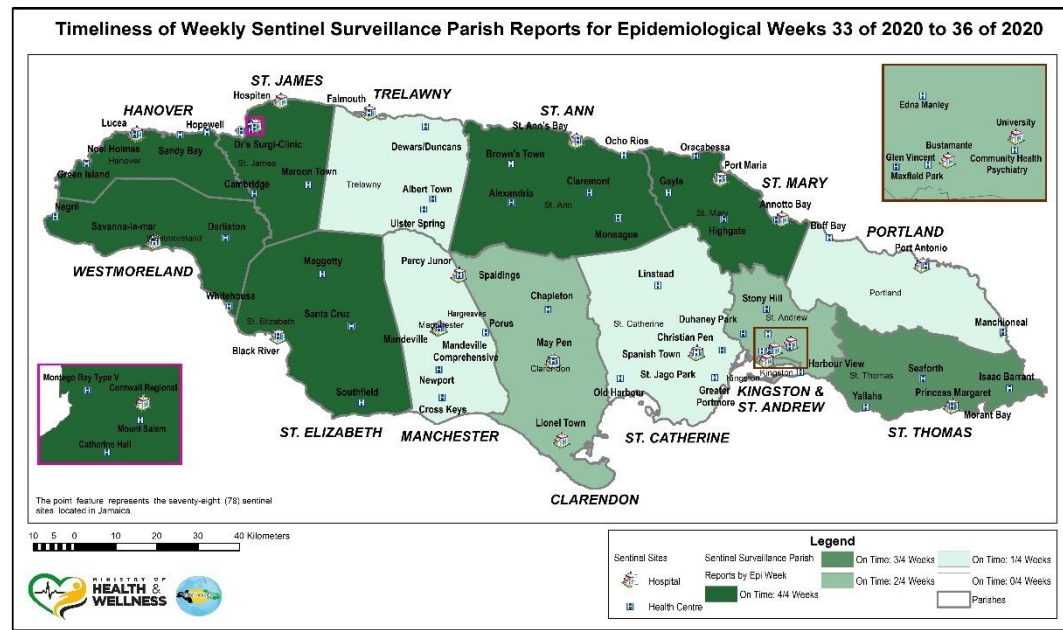
A syndromic surveillance system is good for early detection of and response to public health events.

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.

Map representing the Timeliness of Weekly Sentinel Surveillance Parish Reports for the Four Most Recent Epidemiological Weeks - 33 to 36 of 2020

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



REPORTS FOR SYNDROMIC SURVEILLANCE

FEVER

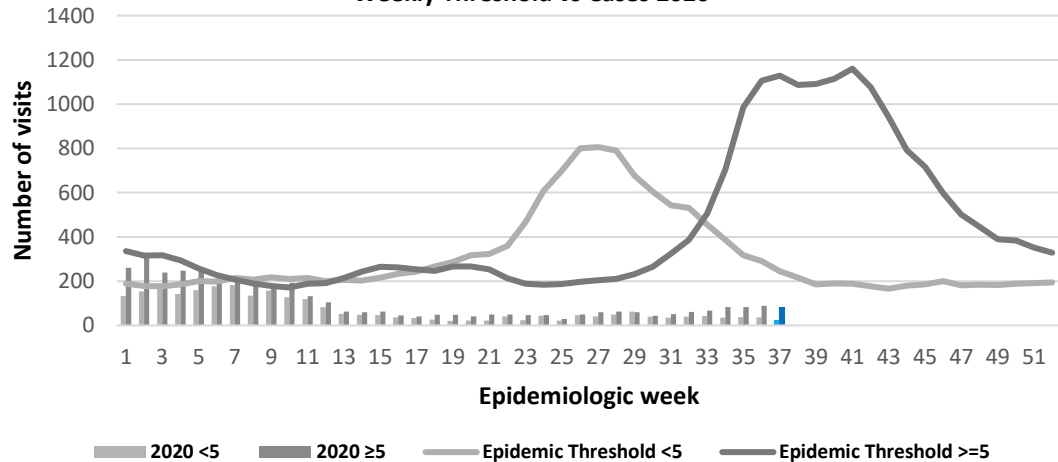
Temperature of  $>38^{\circ}\text{C}$  /  $100.4^{\circ}\text{F}$  (or recent history of fever) with or without an obvious diagnosis or focus of infection.



KEY

VARIATIONS OF BLUE SHOW CURRENT WEEK

Weekly Visits to Sentinel Sites for Undifferentiated Fever All ages: Jamaica, Weekly Threshold vs Cases 2020



2 NOTIFICATIONS- All clinical sites



INVESTIGATION REPORTS- Detailed Follow up for all Class One Events



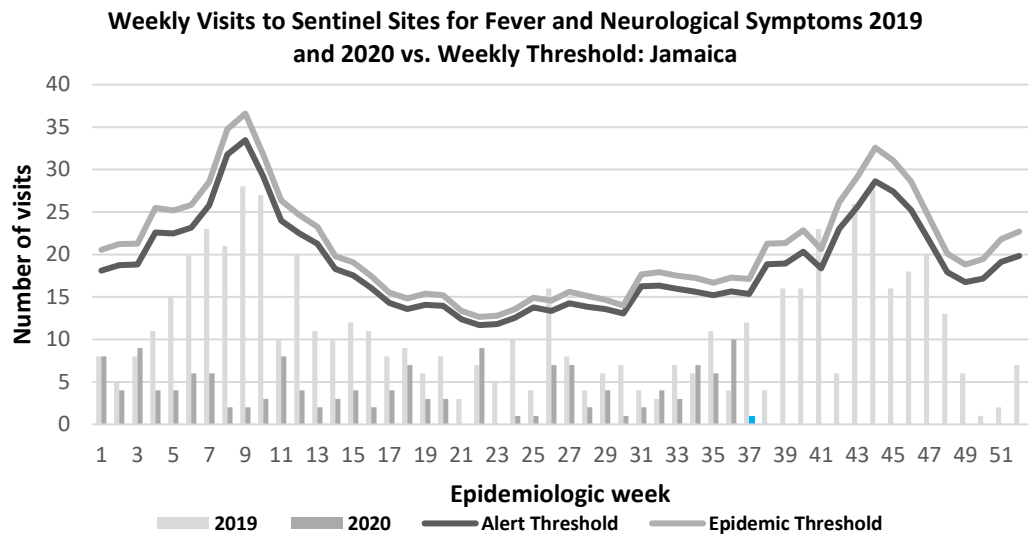
HOSPITAL ACTIVE SURVEILLANCE- 30 sites. Actively pursued



SENTINEL REPORT- 78 sites. Automatic reporting

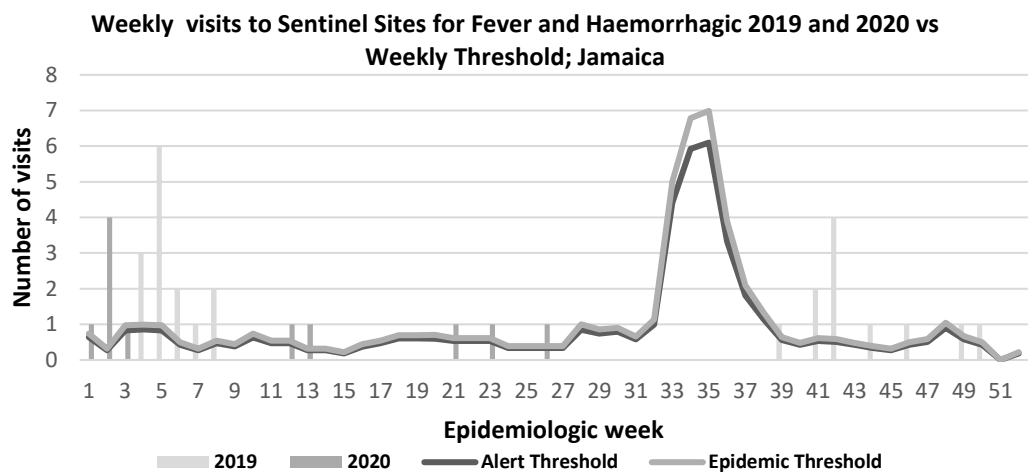
**FEVER AND NEUROLOGICAL**

Temperature of  $>38^{\circ}\text{C}$  /  $100.4^{\circ}\text{F}$  (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).



**FEVER AND HAEMORRHAGIC**

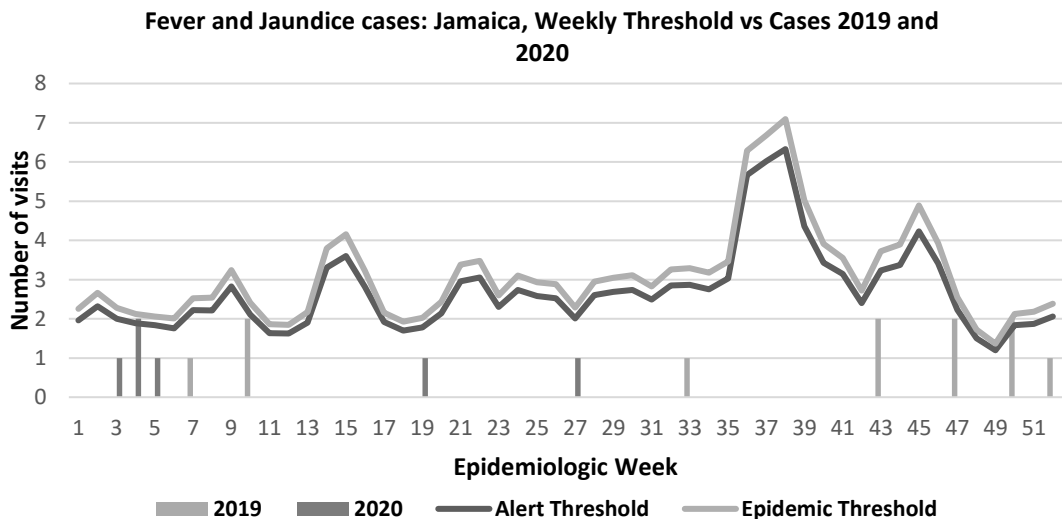
Temperature of  $>38^{\circ}\text{C}$  /  $100.4^{\circ}\text{F}$  (or recent history of fever) in a previously healthy person presenting with at least one haemorrhagic (bleeding) manifestation with or without jaundice.



**FEVER AND JAUNDICE**

Temperature of  $>38^{\circ}\text{C}$  /  $100.4^{\circ}\text{F}$  (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.



**3 NOTIFICATIONS-**  
All clinical sites



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



**HOSPITAL ACTIVE SURVEILLANCE-** 30 sites. Actively pursued



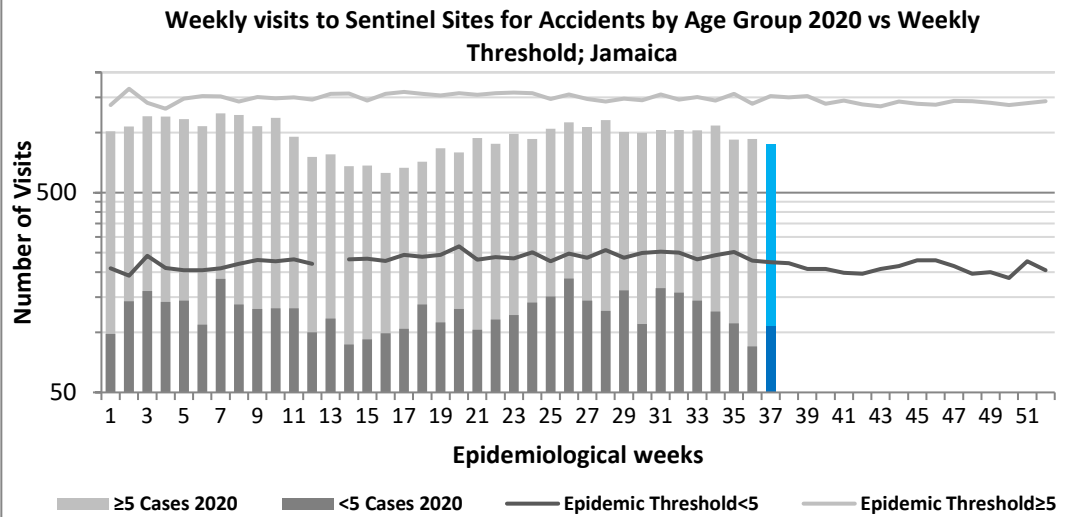
**SENTINEL REPORT-** 78 sites. Automatic reporting

**ACCIDENTS**

Any injury for which the cause is unintentional, e.g. motor vehicle, falls, burns, etc.

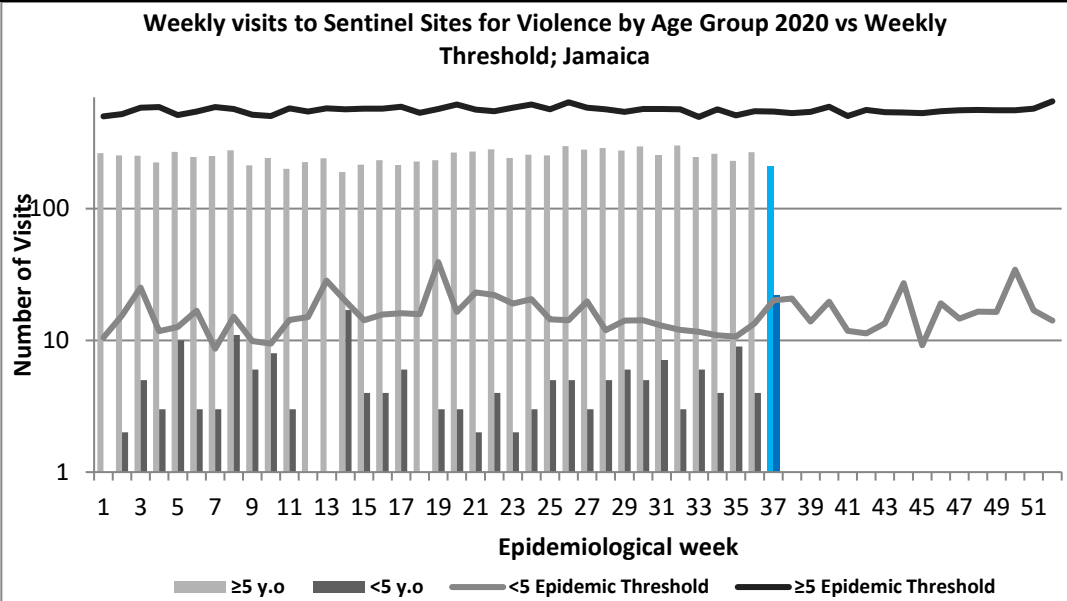
**KEY**

VARIATIONS OF BLUE SHOW CURRENT WEEK



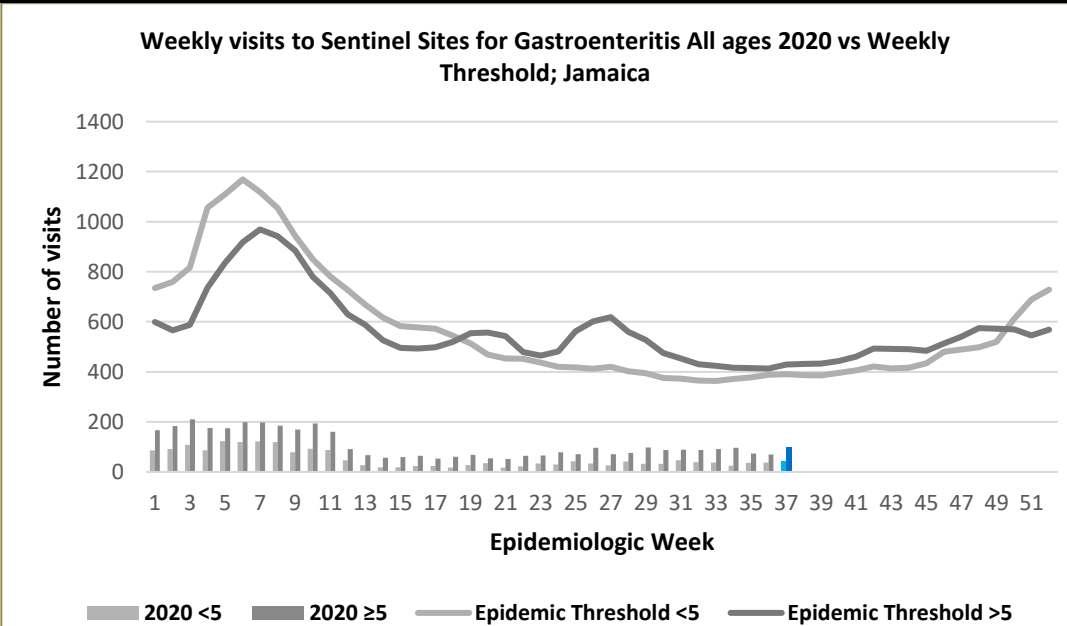
**VIOLENCE**

Any injury for which the cause is intentional, e.g. gunshot wounds, stab wounds, etc.



**GASTROENTERITIS**

Inflammation of the stomach and intestines, typically resulting from bacterial toxins or viral infection and causing vomiting and diarrhoea.



**4 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

CLASS ONE NOTIFIABLE EVENTS		Confirmed YTD		Comments	
	CLASS 1 EVENTS	CURRENT YEAR 2020	PREVIOUS YEAR 2019		
NATIONAL /INTERNATIONAL INTEREST	Accidental Poisoning	5	56	AFP Field Guides from WHO indicate that for an effective 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	0	11		
	Hepatitis C	0	2		
	HIV/AIDS	NA	NA		
	Malaria (Imported)	0	0		
	Meningitis (Clinically confirmed)	1	18		
EXOTIC/ UNUSUAL	Plague	0	0	* Dengue Hemorrhagic Fever data include Dengue related deaths;	
HIGH MORBIDITY/ MORTALITY	Meningococcal Meningitis	0	0		
	Neonatal Tetanus	0	0		
	Typhoid Fever	0	0		
	Meningitis H/Flu	0	0		
SPECIAL PROGRAMMES	AFP/Polio	0	0	** Figures include all deaths associated with pregnancy reported for the period. * 2019 YTD figure was updated.  *** CHIKV IgM positive cases   **** Zika PCR positive cases	
	Congenital Rubella Syndrome	0	0		
	Congenital Syphilis	0	0		
	Fever and Rash	Measles	0		0
		Rubella	0		0
	Maternal Deaths**	29	47		
	Ophthalmia Neonatorum	23	161		
	Pertussis-like syndrome	0	0		
	Rheumatic Fever	0	0		
	Tetanus	0	0		
	Tuberculosis	6	33		
Yellow Fever	0	0			
	Chikungunya***	0	1		
	Zika Virus****	0	0	NA- Not Available	

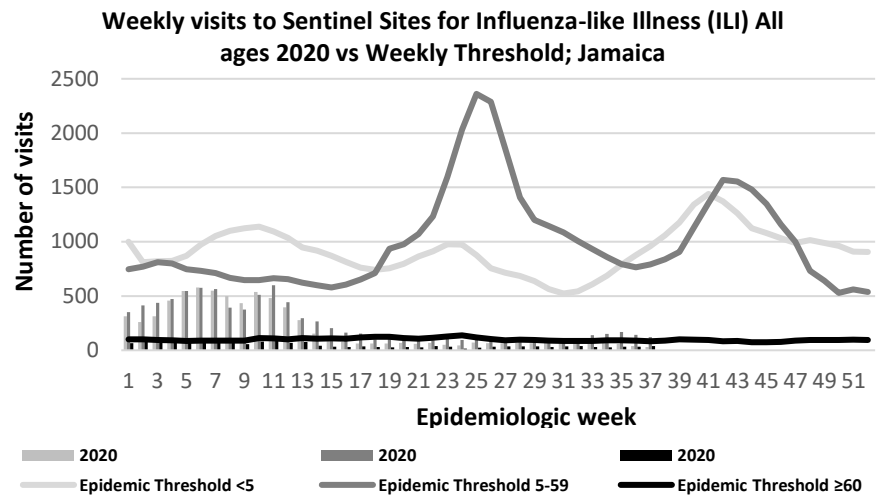
 <p><b>5 NOTIFICATIONS-</b> All clinical sites</p>	 <p><b>INVESTIGATION REPORTS-</b> Detailed Follow up for all Class One Events</p>	 <p><b>HOSPITAL ACTIVE SURVEILLANCE-</b> 30 sites. Actively pursued</p>	 <p><b>SENTINEL REPORT-</b> 78 sites. Automatic reporting</p>
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# NATIONAL SURVEILLANCE UNIT INFLUENZA REPORT

## EW 37

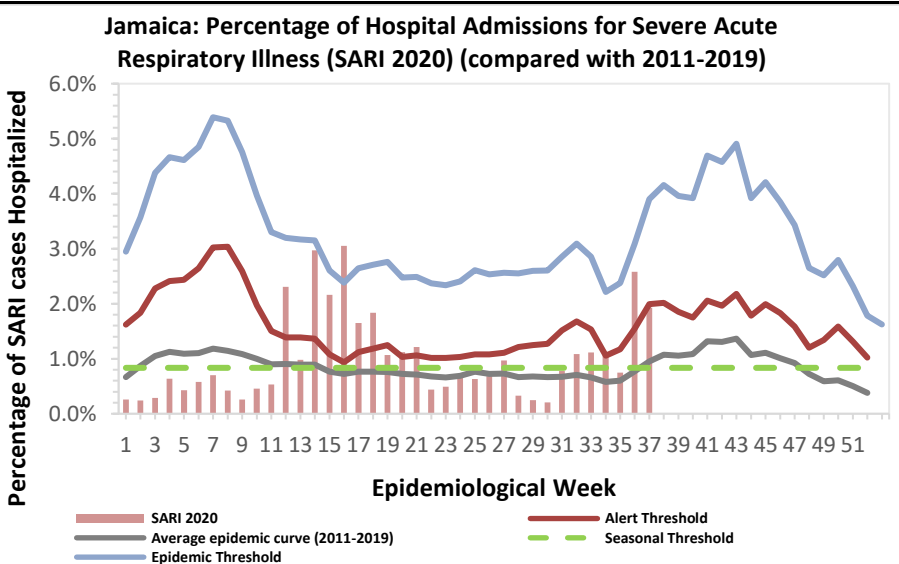
September 06, 2020 -September 12, 2020 Epidemiological Week 37

	EW 37	YTD
SARI cases	34	454
<b>Total Influenza positive Samples</b>	<b>0</b>	<b>69</b>
<b>Influenza A</b>	<b>0</b>	<b>45</b>
H3N2	0	4
H1N1pdm09	0	38
Not subtyped	0	3
<b>Influenza B</b>	<b>0</b>	<b>24</b>
<b>Parainfluenza</b>	<b>0</b>	<b>0</b>



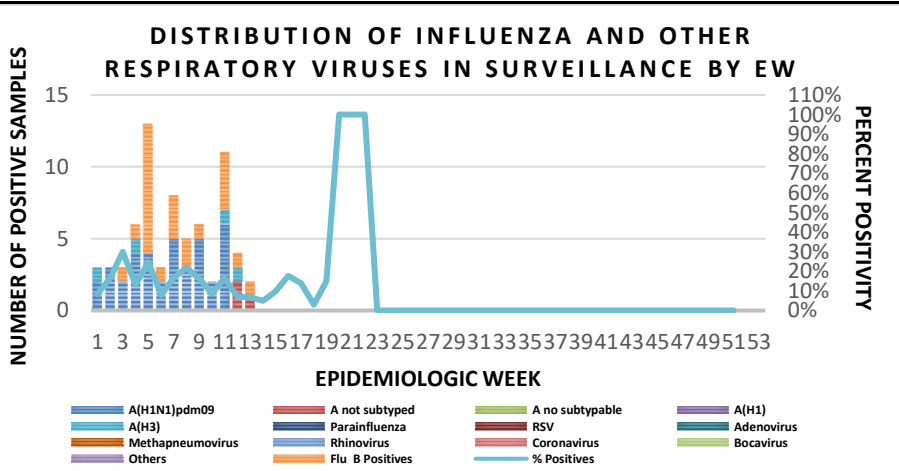
### Epi Week Summary

During EW 37, 34 (thirtyfour) SARI admissions were reported.



### Caribbean Update EW 37

Caribbean: Influenza and other respiratory virus activity remained low in the subregion. In Haiti and Jamaica SARI activity continue at epidemic levels.



**6 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

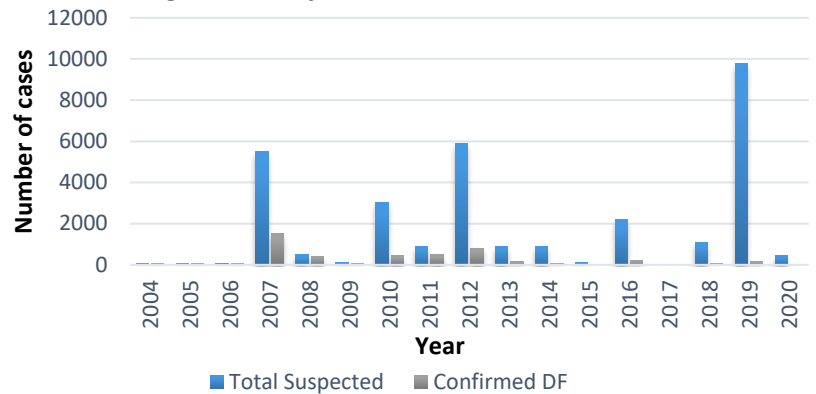
# Dengue Bulletin

September 06, 2020 – September 12, 2020 Epidemiological Week 37

Epidemiological Week 37



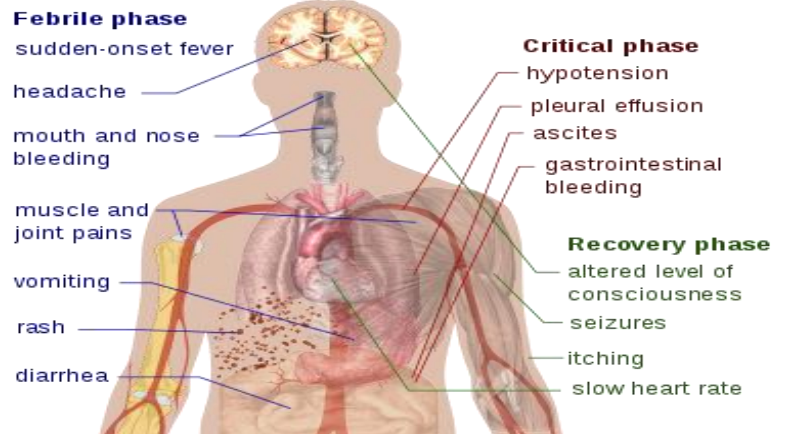
Dengue Cases by Year: 2004-2020, Jamaica



## Reported suspected and confirmed dengue with symptom onset in week 37 of 2020

	2020	
	EW 37	YTD
Total Suspected Dengue Cases	0**	747**
Lab Confirmed Dengue cases	0**	1**
<b>CONFIRMED</b> Dengue Related Deaths	0**	1**

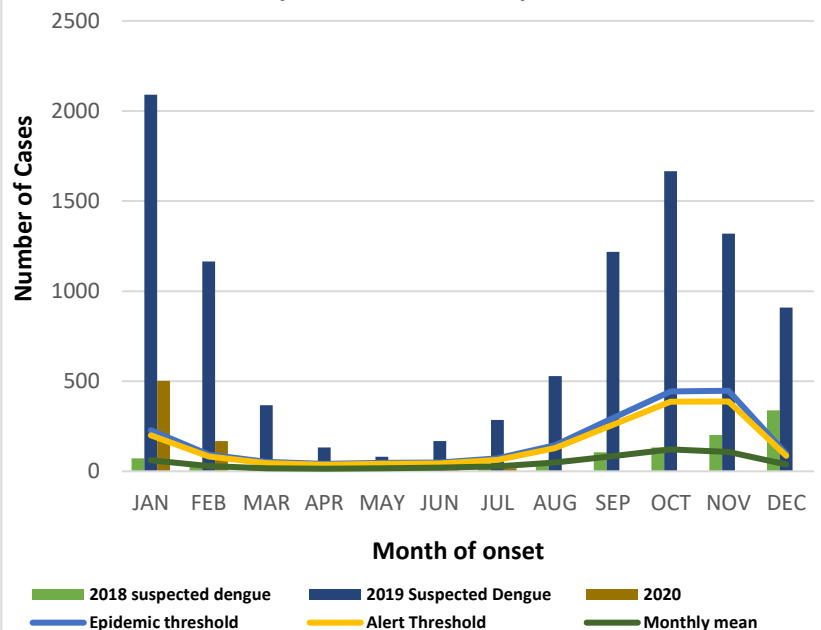
## Symptoms of Dengue fever



### Points to note:

- \*\* figure as at September 21, 2020
- Only PCR positive dengue cases are reported as confirmed.
- IgM positive cases are classified as presumed dengue.

Suspected dengue cases for 2018, 2019 and 2020 versus monthly mean, alert, and epidemic thresholds



**7 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

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# RESEARCH PAPER

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## Abstract

### The occurrence of chronic sorrow and coping strategies employed by adult oncology patients in western Jamaica

VH Waugh-Brown, GA Wright

*The University of the West Indies, Mona, Kingston, Jamaica*

Email Address: [veronica.waughbrown02@uwimona.edu.jm](mailto:veronica.waughbrown02@uwimona.edu.jm) or [veraugh@gmail.com](mailto:veraugh@gmail.com)

**Objective:** To explore the occurrence of chronic sorrow and describe the coping strategies used by patients diagnosed with cancer.

**Method:** A phenomenological study was conducted among adult patients attending oncology clinic in western Jamaica. Purposive sampling was used to select eight participants who met the criteria for a Focus Group Discussion. Informed consent and demographic data were obtained. A Focus Group Discussion Guide aided the exploration of participants' feelings and coping mechanisms. The discussion was audiotaped. Data were transcribed verbatim and checked for accuracy. Common themes were connected, inter-relationships identified and narrative constructed.

**Results:** Eight persons diagnosed with cancer and receiving treatment at the Oncology Clinic participated in the focus group discussion. The chronicity of the illness, negative shift in the equilibrium of life and financial challenges caused major stress which contributed to chronic sorrow. Strong spiritual belief was the major common element expressed that helped persons to cope. Keeping physically active and volunteerism were other coping mechanisms that emerged. Participants with greater family and financial supports expressed greater ability to cope with the illness than those with poor family or financial support. Psychological / emotional therapy from a professional source was lacking.

**Conclusion:** Persons diagnosed with cancer experience chronic sorrow resulting from emotional strain and stress. Spiritual and psychological support forms the bed-rock of their mental well-being and coping ability. The magnitude of the impact of chronic sorrow experienced by cancer patients can be reduced by integrating these critical components in the patient's medical management plan.



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



8 NOTIFICATIONS-  
All clinical  
sites



INVESTIGATION  
REPORTS- Detailed Follow  
up for all Class One Events



HOSPITAL  
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