### Week ending March 11, 2017

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

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# Weekly Spotlight World TB Day March 24, 2017 Unite efforts to leave no one behind

TB, the world's top infectious disease killer, claims 5 000 lives each day. The heaviest burden is carried by communities which already face socioeconomic challenges such as migrants, refugees, prisoners, ethnic

minorities to name a few. TB strikes some of the world's poorest people hardest. WHO is determined to overcome the stigma, discrimination, and other barriers that prevent so many of these people from obtaining the services they so badly need.

Poverty, malnutrition, poor housing and sanitation, compounded by other risk factors such as HIV, tobacco, alcohol use and diabetes, can put

people at heightened risk of TB and make it harder for them to access care. More than a third (4.3 million) of people with TB go undiagnosed or unreported, some receive no care at all and others access care of questionable quality.

The new WHO ethics guidance addresses contentious issues such as, the isolation of contagious patients, the rights of TB patients in prison, discriminatory policies against migrants affected by TB, among others. It emphasizes five key ethical obligations for governments, health workers, care providers, nongovernmental organizations, researchers and other stakeholders to:

- provide patients with the social support they need to fulfil their responsibilities
- refrain from isolating TB patients before exhausting all options to enable treatment adherence and only under very specific conditions
- enable "key populations" to access same standard of care offered to other citizens
- ensure all health workers operate in a safe environment
- rapidly share evidence from research to inform national and global TB policy updates.

Protecting human rights, ethics and equity are principles which underpin WHO's End TB Strategy. The current multidrug-resistant TB (MDR-TB) crisis and the health security threat it poses accentuate the situation even further.

"Only when evidence-based, effective interventions are informed by a sound ethical framework, and respect for human rights, will we be successful in reaching our ambitious goals of ending the TB epidemic and achieving universal health coverage.

World TB Day is an opportunity to mobilize political and social commitment for further progress in efforts to end TB. This year, World TB Day signals new momentum at the highest levels with the announcement of the first ever Global Ministerial Conference on Ending TB, which will be held in Moscow in November 2017.

https://www.google.com.jm/webhp?sourceid=chrome-Source: instant&rlz=1C1KMZB\_enJM682JM683&ion=1&espv=2&ie=UTF-8#q=ophthalmia+neonatorum&\*

NOTIFICATIONSclinical sites

All



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# WEEK 10



**SYNDROMES** 

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**CLASS 1 DISEASES** 

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INFLUENZA

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**DENGUE FEVER** 

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## GASTROENTERITIS

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**RESEARCH PAPER** 





SENTINEL 1 REPORT- 79 sites\*. Automatic reporting





NOTIFICATIONS-All clinical sites



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All sites



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## CLASS ONE NOTIFIABLE EVENTS

Comments

	CLASS 1 EVENTS		CONFIRMED YTD		AFP Field Guides	
			CURRENT YEAR	PREVIOUS YEAR	from WHO indicate that for an	
L /INTERNATIONAL INTEREST	Accidental Poisoning		14	31	effective surveillance	
	Cholera		0	0	system, detection	
	Dengue Hemorrhagic Fever <sup>1</sup>		0	0	rates for AFP should be	
	Hansen's Disease (Leprosy)		0	0	1/100,000 population under 15 years old (6 to 7) cases annually.	
	Hepatitis B		2	1		
	Hepatitis C		0	0		
√NC	HIV/AIDS -	See HIV/AIDS Natio	onal Programme Re	port		
ATIC	Malaria (Imported)		2	1	Pertussis-like syndrome and Tetanus are	
Ż	Meningitis ( Clinically confirmed)		5	13		
EXOTIC/ UNUSUAL	Plague		0	0	clinically confirmed	
GH SIDIT/ ALIY	Meningococcal Meningitis		0	0	classifications.	
	Neonatal Tetanus		0	0	The TB case detection rate	
H I ORI OR7	Typhoid Fever		0	0		
MM	Meningitis H/Flu		0	0	established by	
	AFP/Polio		0	0	is at least 70% of their calculated estimate of cases in the island, this is	
	Congenital Rubella Syndrome		0	0		
$\sim$	Congenital Syphilis		0	0		
SPECIAL PROGRAMMES	Fever and Rash	Measles	0	0	180 (of 200) cases per year.	
		Rubella	0	0		
	Maternal Deaths <sup>2</sup>		6	5	*Data not available	
	Ophthalmia Neonatorum		44	87		
	Pertussis-like syndrome		0	0	I Dengue Hemorrhagic   Fever data   Dengue related deaths;	
	Rheumatic Fever		1	1		
	Tetanus		0	0	2 Maternal Deaths	
	Tuberculosis		0	0	include early and late deaths.	
	Yellow Fever		0	0		
	Chikungunya		0	0		
	Zika Virus		0	1		



All

sites





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HOSPITAL ACTIVE SURVEILLANCE-30 sites\*. Actively pursued



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*EW 10* 

# NATIONAL SURVEILLANCE UNIT INFLUENZA REPORT

### March 5-11, 2017

March 2017						
	EW 10	YTD				
SARI cases	22	124				
Total Influenza positive Samples	0	1				
Influenza A	0	0				
H3N2	0	0				
H1N1pdm09	0	0				
Not subtyped	0	0				
Influenza B	0	1				
Other	0	0				

### Epidemiology Week 10



#### **Comments:**

During EW 10, SARI activity increased, but remained below the alert threshold and slightly above the the average epidemic curve.

During EW 10, pneumonia casecounts decreased (70 cases in EW 10), and were at same levels observed in 2015 and lower than the prior season, with the highest proportion in Kingston and Saint Andrew.

During EW 10, no influenza activity was reported.

#### **INDICATORS**

#### **Burden**

respiratory Year to date, syndromes account for 3.3% of visits to health facilities.

#### Incidence

Cannot be calculated, as data sources do not collect all cases of Respiratory illness.



acute

#### **Prevalence** Not applicable to respiratory conditions.

All

sites







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HOSPITAL ACTIVE SURVEILLANCE-30 sites\*. Actively pursued



SENTINEL 5 REPORT- 79 sites\*. Automatic reporting

\*Incidence/Prevalence cannot be calculated





#### Percentage of Hospital Admissions for Severe Acute Respiratory Illness (SARI 2017) (compared with 2011-2016)



# Dengue Bulletin

Epidemiology Week 10



March 5-11, 2017

#### Dengue Cases by Epidemiology Weeks 2013-2017



### DISTRIBUTION

Year-to-Date Suspected Dengue Fever									
	М	F	Un- known	Total	%				
<1	0	0	0	0	0				
1-4	0	0	0	0	0				
5-14	4	2	0	6	31.5				
15-24	2	2	0	4	21.2				
25-44	3	3	1	6	31.5				
45-64	2	1	0	3	15.8				
≥65	0	0	0	0	0				
Unknown	0	0	0	0	0				
TOTAL	11	7	1	20	100				

Weekly Breakdown of suspected and confirmed cases of DF,DHF,DSS,DRD

**Total Suspected** 

**Dengue Cases** 

Lab Confirmed

**Dengue cases** 

All

sites

CONFIRMED

DHF/DSS

Dengue

Related

Deaths

2017

YTD

19

0

0

0

EW

9

0

0

0

0

2016

**YTD** 

456

52

1

0

# Suspected Dengue Fever Cases per 100,000 Parish









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HOSPITAL ACTIVE SURVEILLANCE-30 sites\*. Actively pursued

SENTINEL REPORT- 79 sites\*. Automatic reporting

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#### Gastroenteritis Bulletin EW Epidemiology Week 10 March 5-11, 2017 **Gastroenteritis:** Weekly Breakdown of Gastroenteritis cases In Epidemiology Week 10, 2017, the **EW 9** Year YTD total number of reported GE cases showed a 11.2% increase compared to <5 ≥5 Total <5 ≥5 Total EW 10 of the previous year. 2017 232 215 447 2,852 2,844 5,696 The year to date figure showed an 14.4% increase in cases for the period. 2016 159 240399 1.630 2,316 3.946 曲

### Figure 1: Total Gastroenteritis Cases Reported 2016-2017







All

sites





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HOSPITAL ACTIVE SURVEILLANCE-30 sites\*. Actively pursued



SENTINEL 7 REPORT- 79 sites\*. Automatic reporting

# **RESEARCH PAPER**

## HIV Case-Based Surveillance System Audit S. Whitbourne, Z. Miller

**Objectives**: Evaluate the Public Health Surveillance System for HIV reporting, to help ensure that the data collected is accurate and useful for understanding epidemiological trends.

**Background:** Public health programmes focus on the monitoring, control and reduction in the incidence of target diseases, conditions or health events through various interventions and actions. The surveillance system is the primary mechanism through which specific disease information is collected and needs to be periodically assessed.

**Methodology:** In 2016, an audit was conducted of the HIV Case-Based Surveillance System in Jamaica. Laboratory records were reviewed from seven major health care facilities representing all four Regional Health Authorities. Cases with a positive HIV test in 2014 were noted and comparisons of positive cases were made with the cases that had been reported to the National Surveillance Unit. Qualitative data was also collected from key personnel in the form of questionnaires related to the processes involved in diagnosis, detection, investigation and reporting of HIV positive cases, but this paper will focus on the quantitative findings.

**Findings:** Preliminary data analysis reveals a high level of underreporting of HIV cases to the national level.

**Conclusions:** Audits and other forms of assessment need to be conducted on surveillance systems to ensure that the data supporting a public health programme is reliable and accurate, for effective delivery of services to target populations.



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







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HOSPITAL ACTIVE SURVEILLANCE-30 sites\*. Actively pursued



SENTINEL REPORT- 79 sites\*. Automatic reporting

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