

EPIDEMIC INTELLIGENCE

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1. Definition

Epidemic intelligence can be described as the systematic collection and collation of information from a variety of sources.

2. Sources

2.1. EVENT-BASED SURVEILLANCE

Event-based public health surveillance looks at reports, stories, rumors, and other information about health events that could be a serious risk to public health. The goal of EBS is to detect unusual events that might signal an outbreak. The information obtained is non-standardized or subjective.

The following sources are scanned :

Name	Frequency	Support	Origine	Level
Round table report	Daily	emails	ecdc	Confidential
Overzicht infectieziekten ginalen	Weekly	emails	RIVM, Pays-Bas	Distribution list
EWRS	Ad hoc	website	EU Commission	Confidential
IHR	Ad hoc	website	WHO	Confidential
Promed	Daily	emails	ISID	Open, https://promedmail.org/
Plasur	Daily	emails	AFSCA-FAVV	Distribution list
EPIS	Ad hoc	website	eCDC	Confidential
SMOG	Ad hoc	emails	IRceline	Distribution list
Illegal drugs	Ad hoc	emails	BEWS	Distribution list
MMWR	Weekly	Website	CDC	Open, https://www.cdc.gov/mmwr/
Belgian press	Daily	emails	SPF/FOD	Distribution list
Other press	Ad hoc	website	USA	Open, http://outbreaknewstoday.com/
EFSA email alerts	Daily	emails	EFSA	Distribution list
RASFF	Ad hoc	Website	EFSA	Open, https://webgate.ec.europa.eu/rasff-window
GOARN	Ad hoc	Website	WHO	Confidential
Medisys	Daily	Website	EU	Open, http://medisys.newsbrief.eu
GPHIN	Daily	Website	Canada	Confidential

Healthmap	Daily	Website	Boston Children's Hospital	Open, http://www.healthmap.org/en/
Geosentinel	Daily	Website	ISTM	Open, http://www.istm.org/geosentinel/alerts
Zoonosis alerts	Daily	Emails	OIE	Open
Travel	Ad hoc	Website	Nathnac	Open, https://travelhealthpro.org.uk/latest-news

2.2. INDICATOR-BASED SURVEILLANCE

Indicator-based public health surveillance is a more traditional way of reporting diseases to public health officials. Indicator-based surveillance involves reports of specific diseases from health care providers to public health officials. Such information may be described as structured information because the information obtained is standardized. It is mainly based on the surveillance systems and the mandatory notification systems.

The following sources are used :

Sources	Frequency	
<i>Sciensano</i>		
Sentinel labs	Daily	Epistat restricted
NRC	Ad hoc	
SARI surveillance	Weekly (week 40-20)	Epistat public, https://epistat.wiv-isp.be/home/
Surveillance ARI/ILI	Weekly	Epistat public, https://epistat.wiv-isp.be/home/
TiquesNet	Daily	TiquesNet, https://tiquesnet.wiv-isp.be/
BeMOMO	Weekly	Epistat public, https://epistat.wiv-isp.be/home/
Toxicology	Ad hoc	
Drugs	Ad hoc	
<i>Others</i>		
Mandatory notification of infectious diseases and unusual events	Daily	Following system in Regions
Mandatory notification of adverse events	Ad hoc	FAGG/AFMPS
Food/animal	Ad hoc	AFSCA/FAVV
...		