

Czech Republic

Total population: 10,509,286¹

Income group: high²

System characteristic	Primary care surveillance		Hospital surveillance
	Influenza-like illness (ILI)	Acute respiratory infection (ARI)	
Type	Sentinel	Sentinel	Universal severe acute respiratory infection (SARI)
Population covered	~50%	~50%	100%
Number of health facilities or hospitals	– (2,230 general practitioners and 1,240 paediatricians)	– (2,230 general practitioners and 1,240 paediatricians)	–
Case definition used	EU ³	WHO ⁴	WHO ⁵
Year introduced	2004	1956	2009
Type of health facilities or wards participating	- General practice - Paediatric practice	- General practice - Paediatric practice	- Intensive care unit
Epidemic threshold	No	Yes	No
Reporting frequency	Weekly (year-round)	Weekly (year-round)	Weekly (year-round)
Laboratory method for testing respiratory specimens	- Real-time reverse transcription polymerase chain reaction (RT-PCR) - Antigen detection - Virus isolation in appropriate cell culture - Serology	- Real-time RT-PCR - Antigen detection - Virus isolation in appropriate cell culture - Serology	- Real-time RT-PCR - Antigen detection - Virus isolation in appropriate cell culture - Serology
Country map	<p>The exact location of sentinel health facilities or hospitals is not reported</p>  <div style="border: 1px solid black; padding: 5px;"> <p>Legend</p> <p>★ Capital</p> </div> <p>This map is an approximation of actual country borders⁶</p>		

Abbreviations

–	Not known
ARI	Acute respiratory infection
ILI	Influenza-like illness
RT-PCR	Reverse transcription polymerase chain reaction
SARI	Severe acute respiratory infection

Footnotes

1. Mid-year population in 2012. European health for all database, WHO Regional Office for Europe, Copenhagen, Denmark (<http://data.euro.who.int/hfad>).
2. World Bank list of economies (July 2014). The World Bank, Washington, USA (<http://data.worldbank.org/about/country-and-lending-groups>).
3. EU ILI case definition: sudden onset of symptoms AND at least one of the following four systemic symptoms: fever or feverishness, malaise, headache, myalgia AND at least one of the following three respiratory symptoms: cough, sore throat, shortness of breath. Influenza case definitions. European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden (http://ecdc.europa.eu/en/activities/surveillance/eisn/surveillance/pages/influenza_case_definitions.aspx).
4. WHO ARI case definition: acute onset of at least one of the following four respiratory symptoms: cough, sore throat, shortness of breath, coryza AND a clinician's judgment that the illness is due to an infection; ARI may present with or without fever. WHO Regional Office for Europe guidance for sentinel surveillance in humans – Updated May 2011. WHO Regional Office for Europe, Copenhagen, Denmark (http://www.euro.who.int/_data/assets/pdf_file/0020/90443/E92738.pdf).
5. WHO SARI case definition (2011): an acute respiratory illness with onset in the 7 days prior to hospital admission, that results in hospitalization overnight and includes: history of fever or measured fever of $\geq 38^{\circ}\text{C}$ AND cough AND shortness of breath or difficulty breathing. WHO Regional Office for Europe guidance for sentinel surveillance in humans – Updated May 2011. WHO Regional Office for Europe, Copenhagen, Denmark (http://www.euro.who.int/_data/assets/pdf_file/0020/90443/E92738.pdf).
6. The designations employed and the presentation of this material do not imply the expression of any opinion whatsoever on the part of the Secretariat 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.