

Influenza B season: low intensity with impact on mortality



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Influenza activity

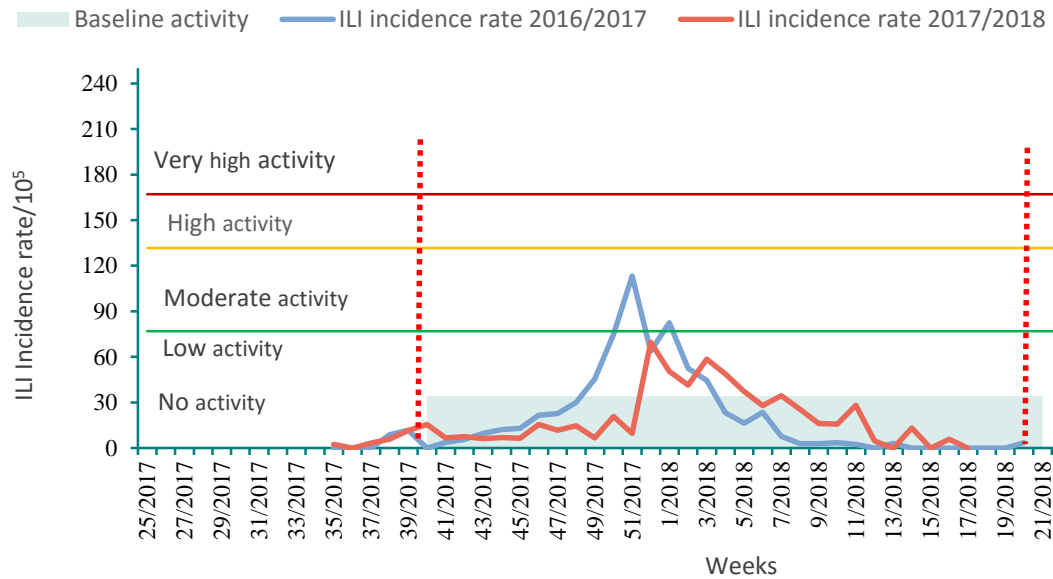


Figure 1. Weekly Influenza-like illness incidence rates in 2017/18 season, Portugal.
Notes: Epidemic and intensity thresholds defined accordingly MEM. Provisional data available until 5 May 2018.

Influenza epidemic period: w52/2017 to w7/2018
 Peak: w1/2018

Low-moderate intensity

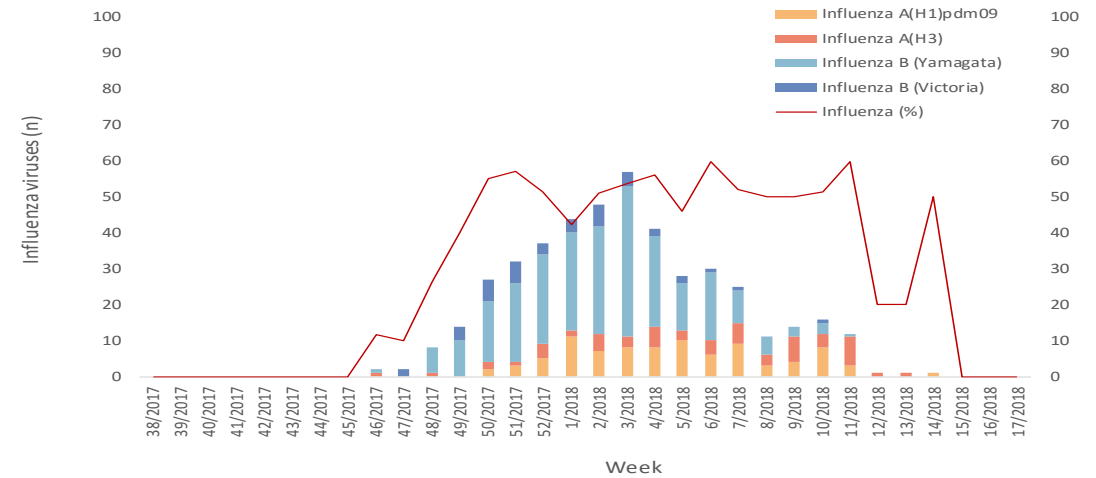


Figure 2. Weekly number of influenza cases by type and subtype in 2017/18 season, Portugal. Provisional data available until 5 May 2018.

B dominance (66 %)

- 73,5% B/Yamagata
- All age-groups, except 0-4 years

Influenza A co-circulated

- high number at the end of the season

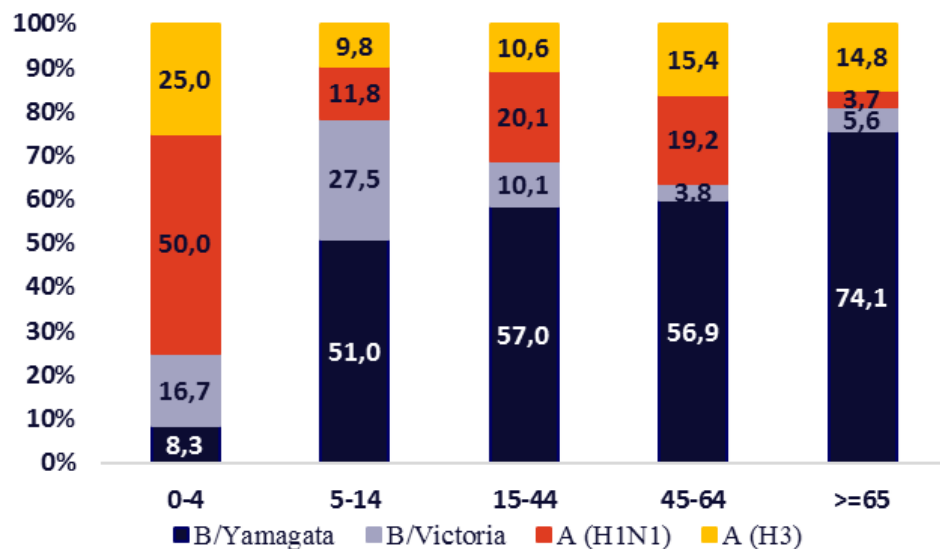


Figure 3. Proportion of influenza subtype/lineage by age group, in 2017/18 season, Portugal.
Provisional data available until 5 May 2018.

Table 1. Influenza viruses by phylogenetic group, Portugal, 2017/18 season.

Subtype/Lineage	Phylogenetic group	Viruses (n)
A(H1)pdm09	A/South Africa/3626/2013 (subgrupo 6B) ¹	0
	A/Michigan/45/2015 (subgrupo 6B.1) ¹	46
A(H3)	A/Hong Kong/4801/2014 (subgrupo 3C.2a) ²	26
	A/Singapore/INFIMH-16-0019/2016 (subgrupo 3C.2a1) ²	11
	A/Switzerland/9715293/2013 (subgrupo 3C.3a)	0
B/Yamagata	B/Massachusetts/2/2012 (clade 2)	0
	B/Phuket/3073/2013 (clade 3) ¹	98
B/Victoria	B/Brisbane/60/2008 (clade 1A) ²	25
Total		206

Provisional data available until 5 May 2018.

All cause-mortality surveillance

Excess mortality period: w 52/2017 to w9/2018

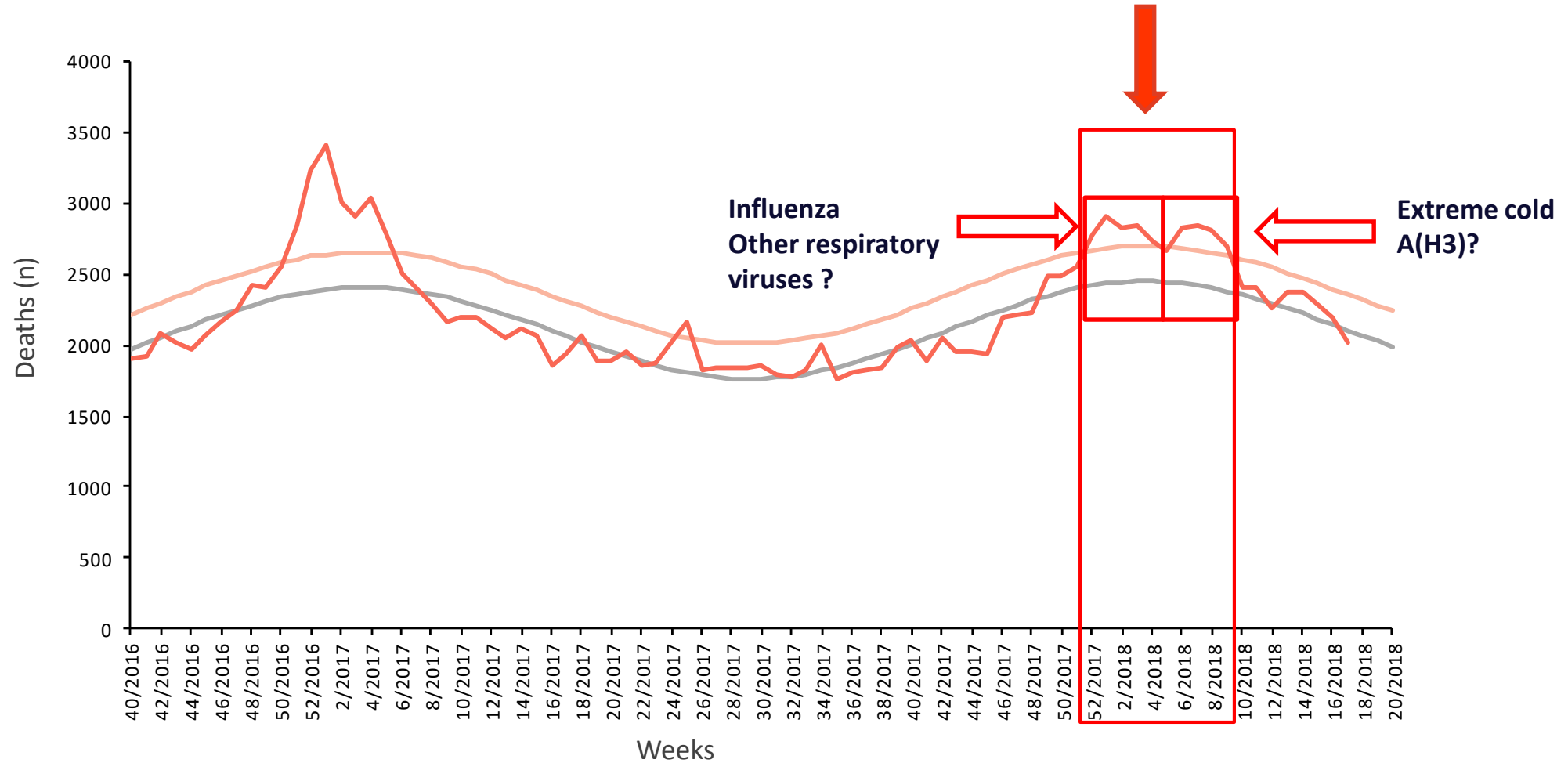


Figure 4. Observed weekly all-cause mortality, Portugal (week 40/2016 to week 18/2018).

Notes: Provisional data available until 5 May 2018.

Table 2. Excess all-cause mortality observed during 2017/18 season, Portugal

	Excess mortality period	Excess mortality (%)	Excess mortality rate (/10 ⁵)
Portugal	52/2017-09/2018	15	35.3
Age-group			
75-84 years	01/2018-03/2018	17	78.4
	06/2018-07/2018	15	
≥ 85 years	52/2017-09/2018	22	769.3
Sex			
Male	52/2017-08/2018	15	33.7
Female	52/2017-03/2018	17	34.8
	06/2018-09/2018	16	

Notes: Provisional data available until 5 May 2018.

Conclusions

1. Low-moderate influenza activity
B dominance
2. Impact on mortality in elderly (+ 85 years and more)
3. Two periods of excess mortality were observed
potential effect of other factors

Influenza Surveillance Team

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Thank you for your attention!

Acknowledges:

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Médicos Euro-EVA

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