

Additional file 4. Correlation between the weekly AG incidences estimated using the AG discrimination algorithm applied on drug dispensing data available in the LTD database and the weekly AG incidences estimated at the *Sentinelles* Network, overall and by age group, at no time lag, at one week of time lag and at one week of time lead between the *Sentinelles* data and drug dispensing data, winter seasons 2014/15 to 2016/17 (week number 36 of year N to week number 15 of year N+1)

Season	Age Group	Correlations [95% CI]		
		No time lag	One week lag	One week lead
2014/15 ^a	All ages	0.84 [0.69 ; 0.92]	0.87 [0.74 ; 0.94]	0.61 [0.32 ; 0.79]
2015/16	All ages	0.87 [0.75 ; 0.93]	0.84 [0.69 ; 0.92]	0.59 [0.31 ; 0.78]
	0 – 4 y.o.	0.75 [0.54 ; 0.87]	0.67 [0.42 ; 0.82]	0.47 [0.14 ; 0.70]
	5 – 14 y.o.	0.80 [0.63 ; 0.90]	0.75 [0.54 ; 0.87]	0.42 [0.09 ; 0.67]
	15 – 64 y.o.	0.87 [0.75 ; 0.93]	0.84 [0.70 ; 0.92]	0.61 [0.34 ; 0.79]
	65+ y.o.	0.75 [0.55 ; 0.87]	0.74 [0.53 ; 0.87]	0.66 [0.40 ; 0.82]
2016/17	All ages	0.94 [0.88 ; 0.97]	0.92 [0.84 ; 0.96]	0.74 [0.52 ; 0.86]
	0 – 4 y.o.	0.91 [0.82 ; 0.95]	0.75 [0.53 ; 0.87]	0.63 [0.35 ; 0.80]
	5 – 14 y.o.	0.90 [0.81 ; 0.95]	0.81 [0.64 ; 0.90]	0.54 [0.23 ; 0.75]
	15 – 64 y.o.	0.92 [0.84 ; 0.96]	0.93 [0.85 ; 0.96]	0.72 [0.50 ; 0.86]
	65+ y.o.	0.87 [0.74 ; 0.93]	0.86 [0.72 ; 0.93]	0.69 [0.45 ; 0.84]

^a Due to limitations of the drug dispense database, the analysis at age group level could not be carried out for season 2014/15