Supplemental digital content 3:

Tableau 1 : Spearman's rank correlation between all the flu's cases notified by the LHUB-ULB and all the flu's cases notified by the BSNL, BSNL- and ILI consultation rates (national and per region) compared weekly during 2014-2017

	LHUB-ULB vs BSNL	LHUB-ULB vs BSNL-	LHUB-ULB vs ILI
Belgium 2014-2017	0.9114	0.8916	0.7816
Brussels Region 2014-2017	0.9668	0.9405	0.7180
Flanders Region 2014-2017	0.7776	0.7712	0.7255
Walloon Region 2014-2017	0.7139	0.7036	0.6301

Pvalue: < 0.0001 for all comparison $\rho_{Sp\ test}$

Tableau 2 : Spearman's rank correlation between all the flu's cases notified by the LHUB-ULB and all the flu's cases notified by the BSNL, BSNL- and ILI consultation rates (national and per region) compared weekly during the three influenza seasons.

	LHUB-ULB vs BSNL	LHUB-ULB vs BSNL-	LHUB-ULB vs ILI
Belgium			
2014-2015 (w40/14 to w39/15)	0.9041	0.8889	0.7580
2015-2016 (w40/15 to w39/16)	0.9151	0.8986	0.7956
2016-2017 (w40/16 to w39/17)	0.8613	0.8311	0.7779
Brussels Region			
2014-2015 (w40/14 to w39/15)	0.9697	0.9476	0.7224
2015-2016(w40/15 to w39/16)	0.9776	0.9545	0.6921
2016-2017(w40/16 to w39/17)	0.9293	0.8902	0.7637
Flanders Region			
2014-2015(w40/14 to w39/15)	0.8217	0.8171	0.7735
2015-2016(w40/15 to w39/16)	0.8874	0.8871	0.8294
2016-2017(w40/16 to w39/17)	0.6067	0.5877	0.5765
Wallonia			
2014-2015 (w40/14 to w39/15)	0.7263	0.7127	0.4972
2015-2016 (w40/15 to w39/16)	0.8428	0.8400	0.8347
2016-2017 (w40/16 to w39/17)	0.5785	0.5526	0.5801

Pvalue: < 0.0001 for all comparison $\rho_{Sp\ test}$