

RSV Pilot Study: Seasonality

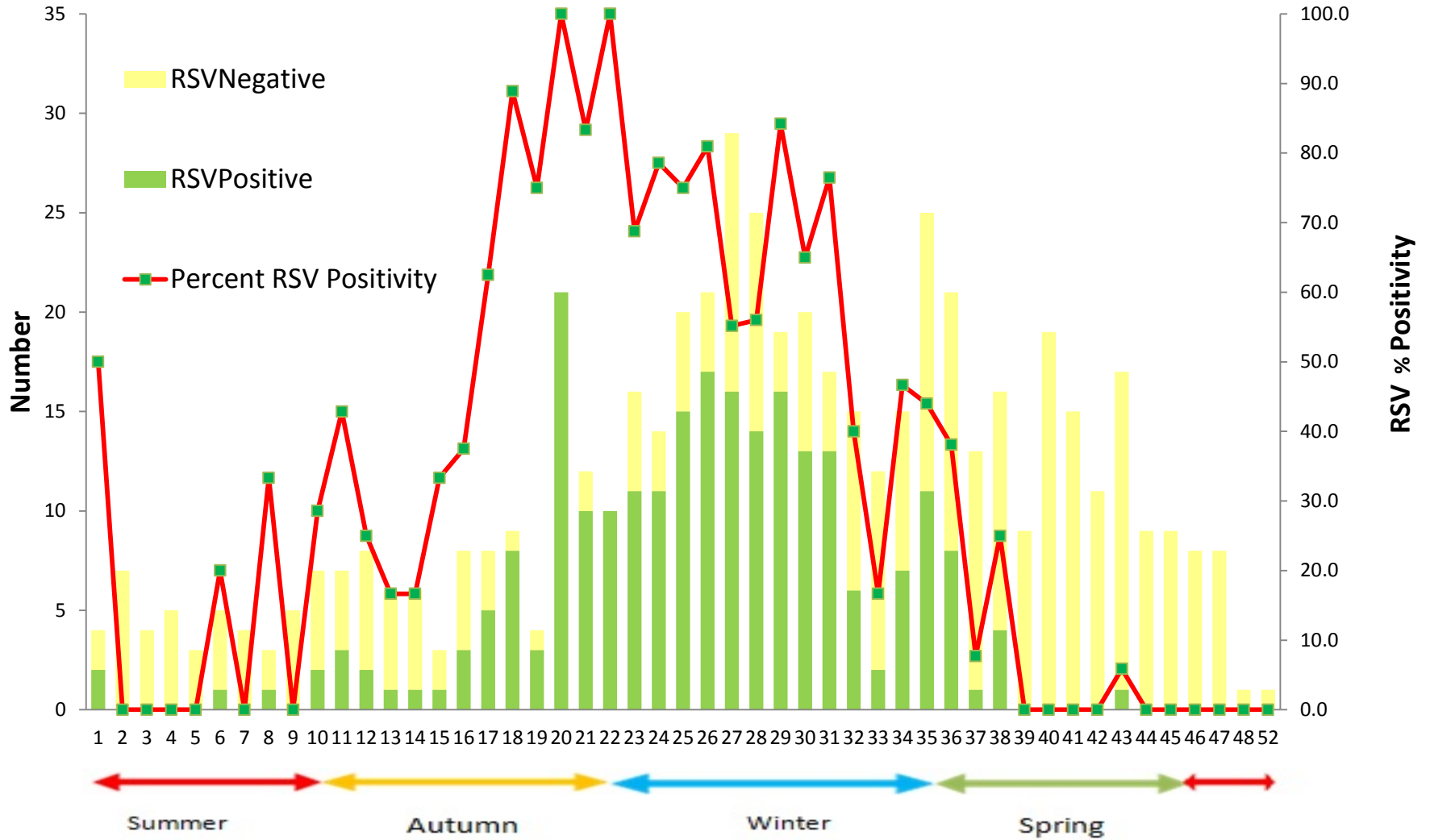
Mandeep Chadha

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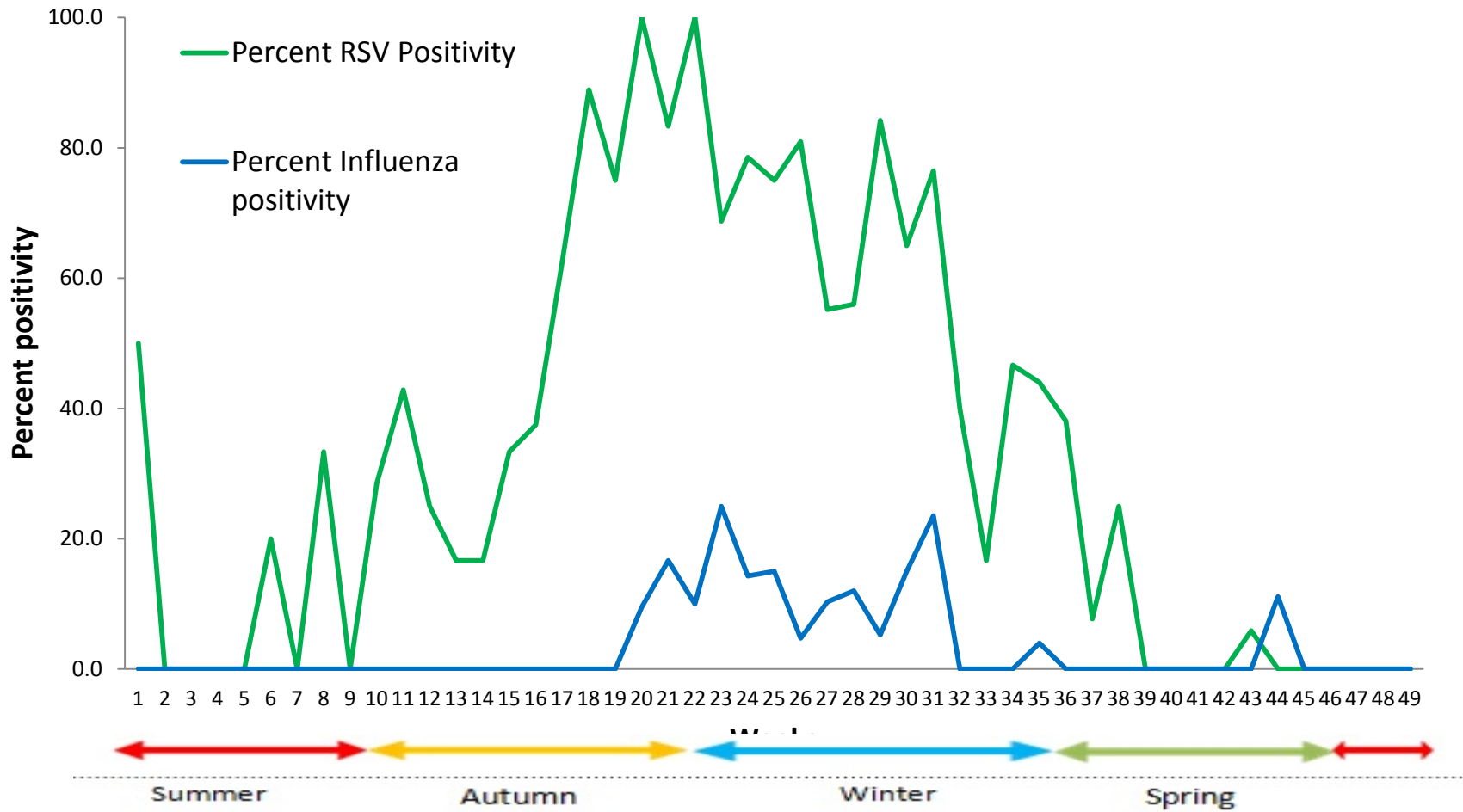
Pune , India

	Missing Data			
Countries	Epi-week	RSV testing result	Influenza Testing Result	Total included in the analysis
Argentina	6			555
Australia			108	530
Brazil			1	85
Chile				511
Cote d'Ivoire			2	684
Egypt	166		11	188
India				860
Mongolia	1			378
Mozambique				430
Russian Federation				752
South Africa		51	51	1620
Thailand	40			1809
Total	216	51	173	8402

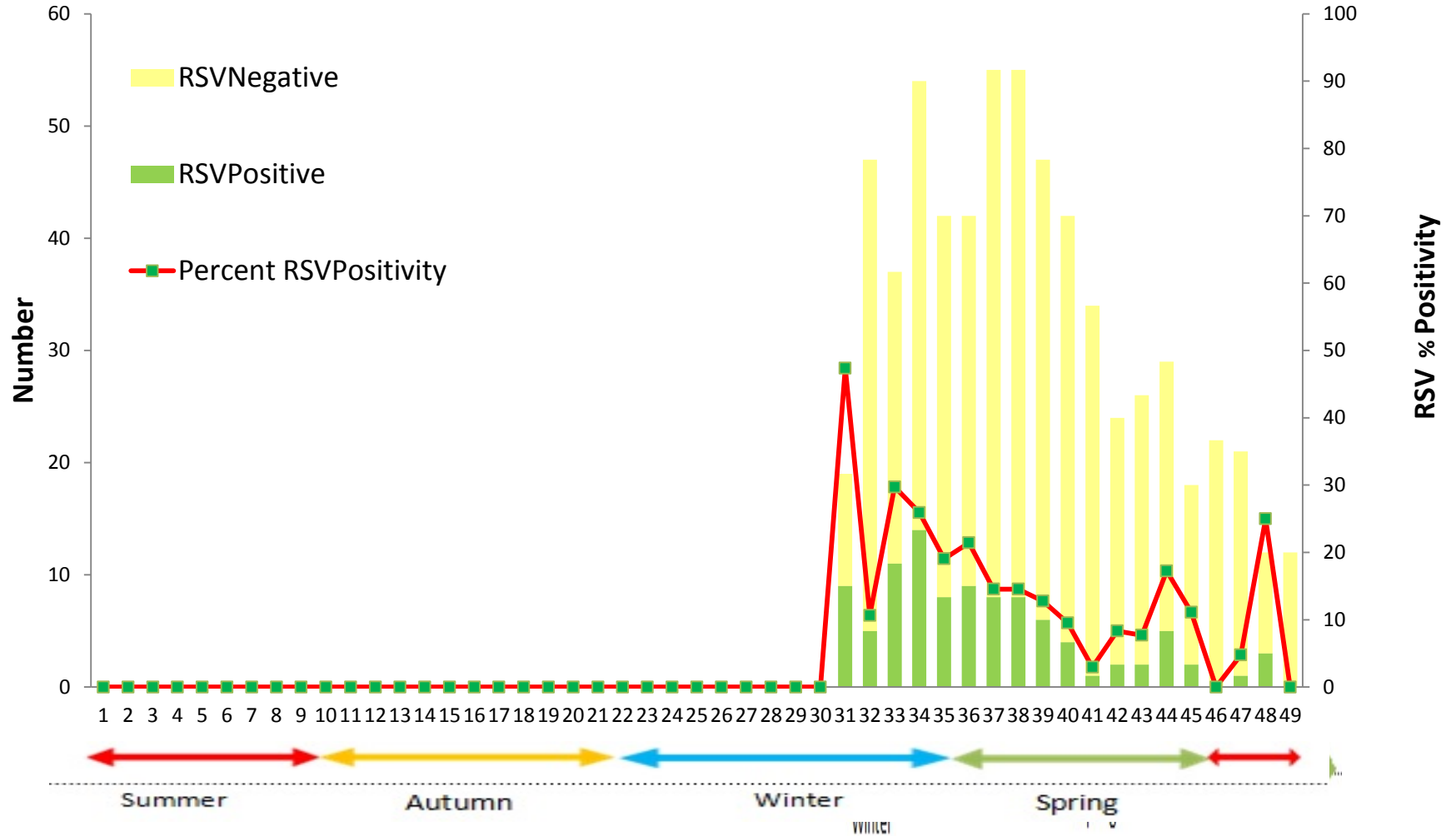
Argentina



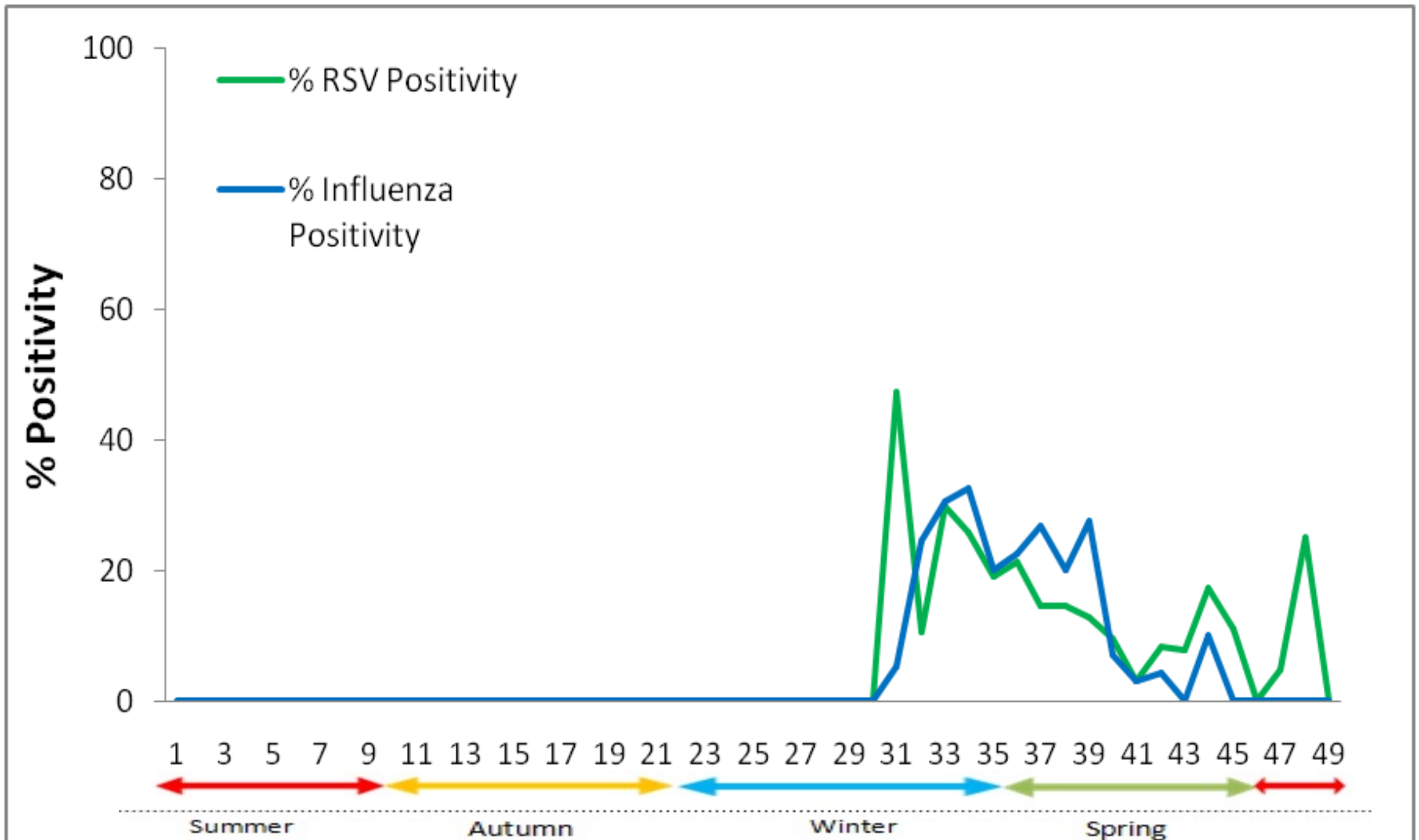
RSV & Influenza Seasonality (Argentina)



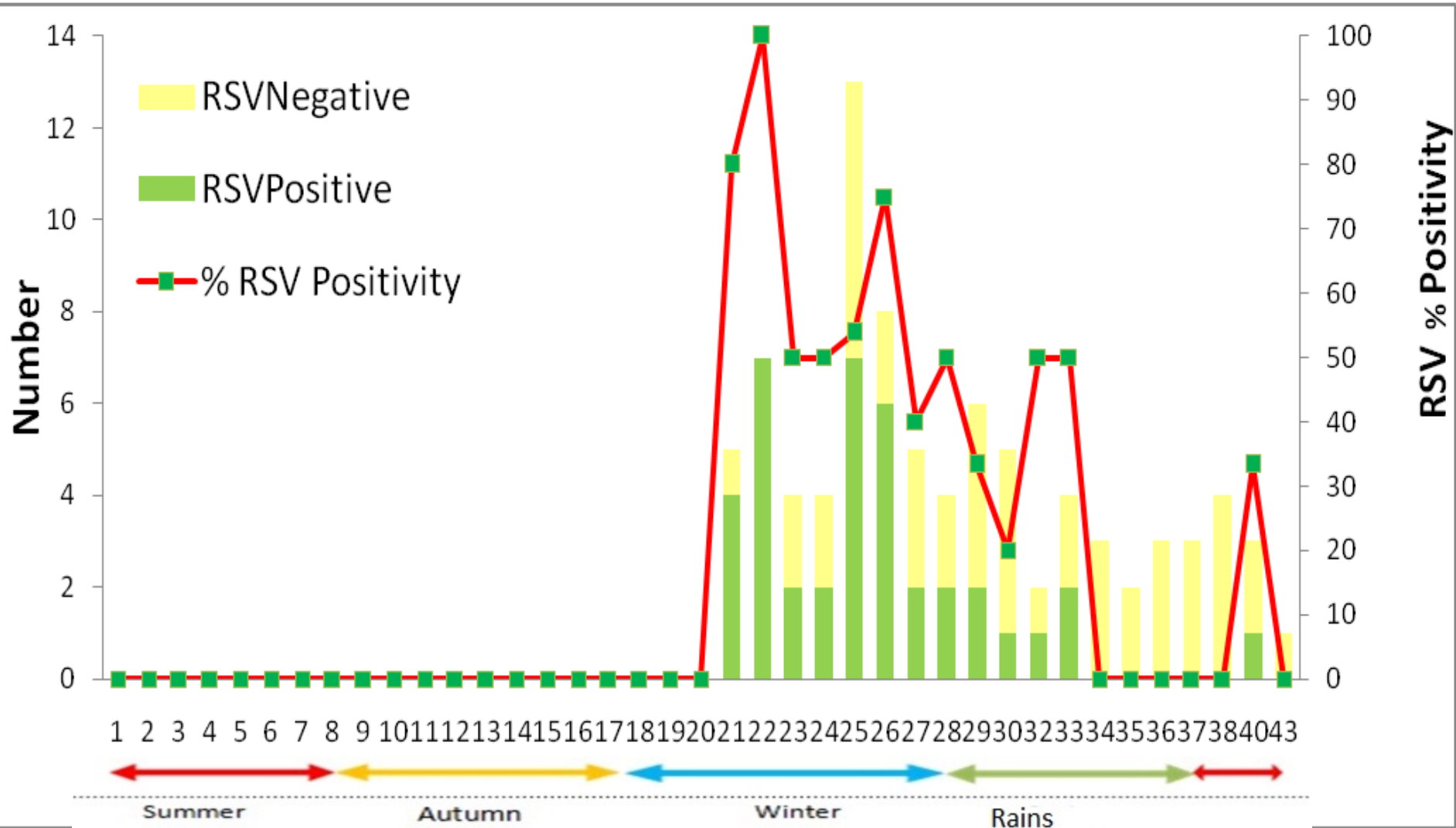
Australia



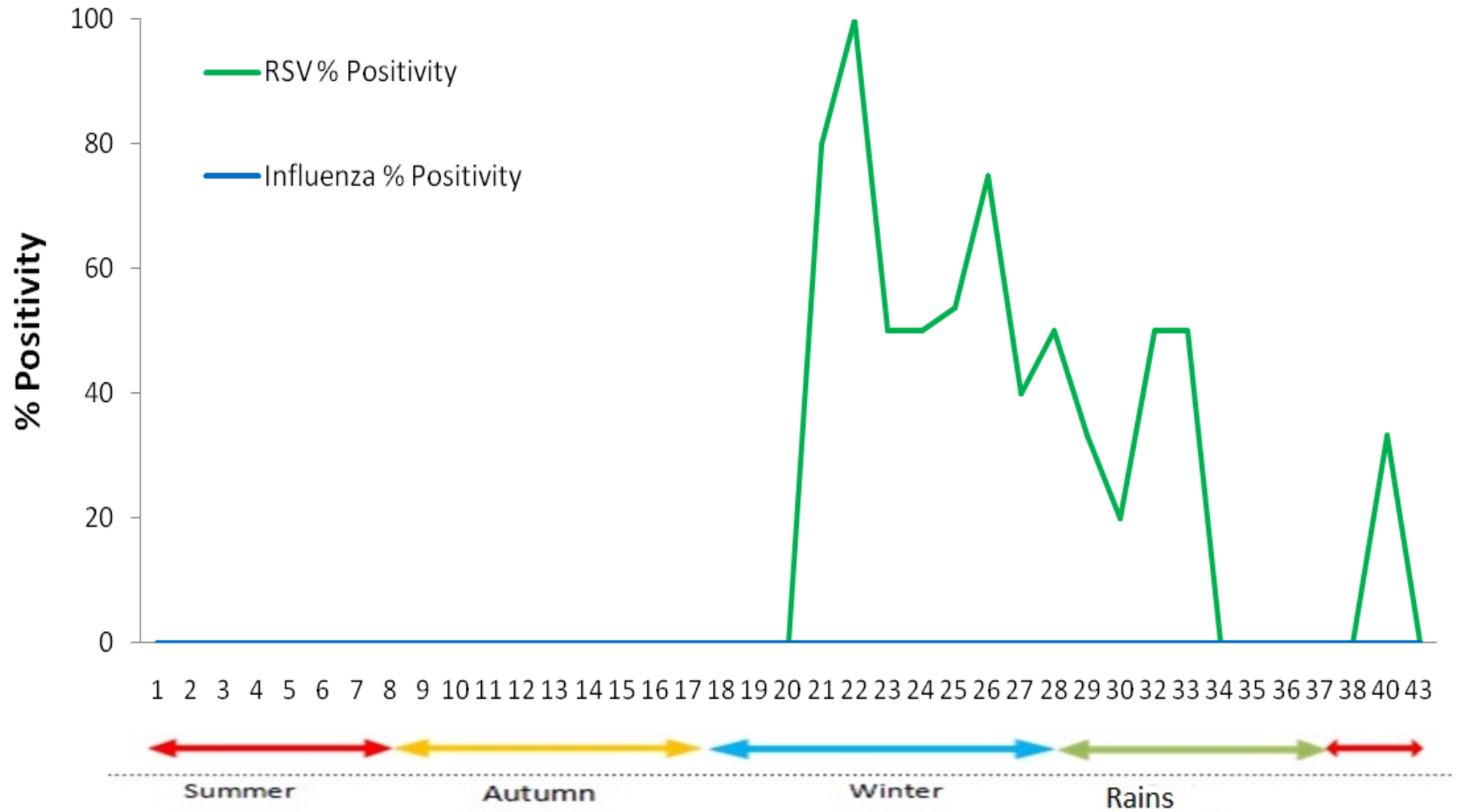
RSV & Influenza Seasonality (Australia)



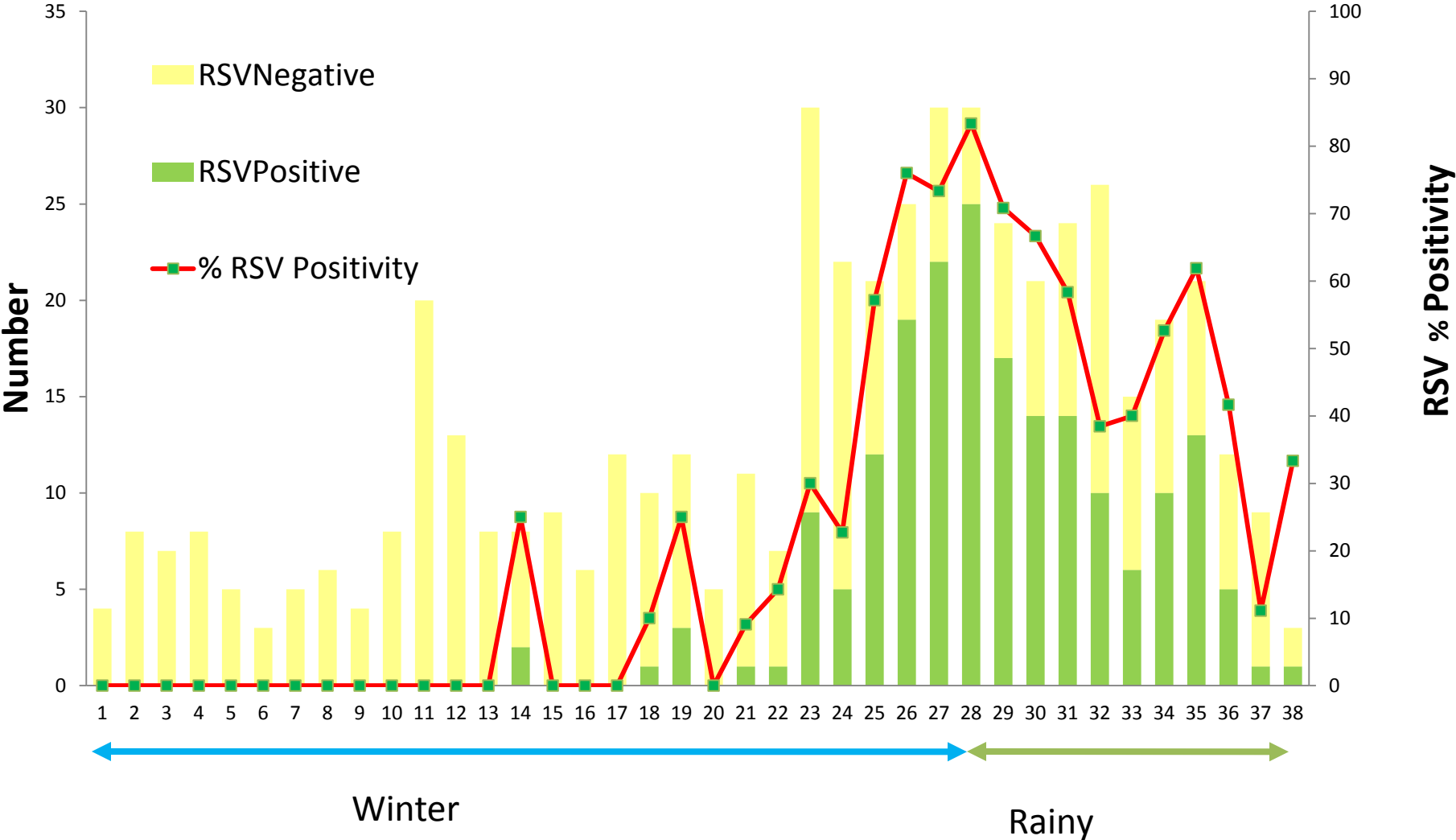
Brazil



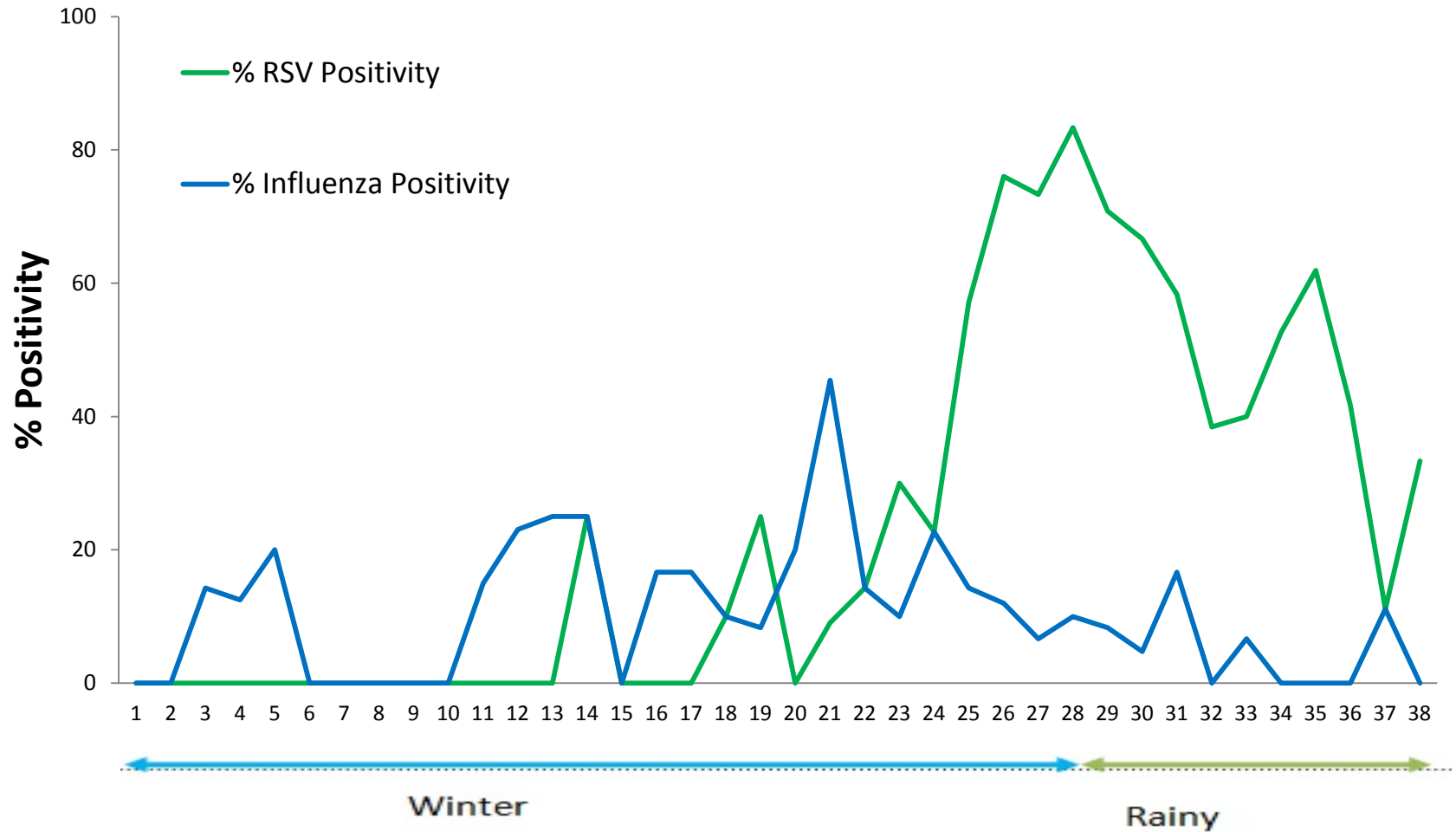
Brazil



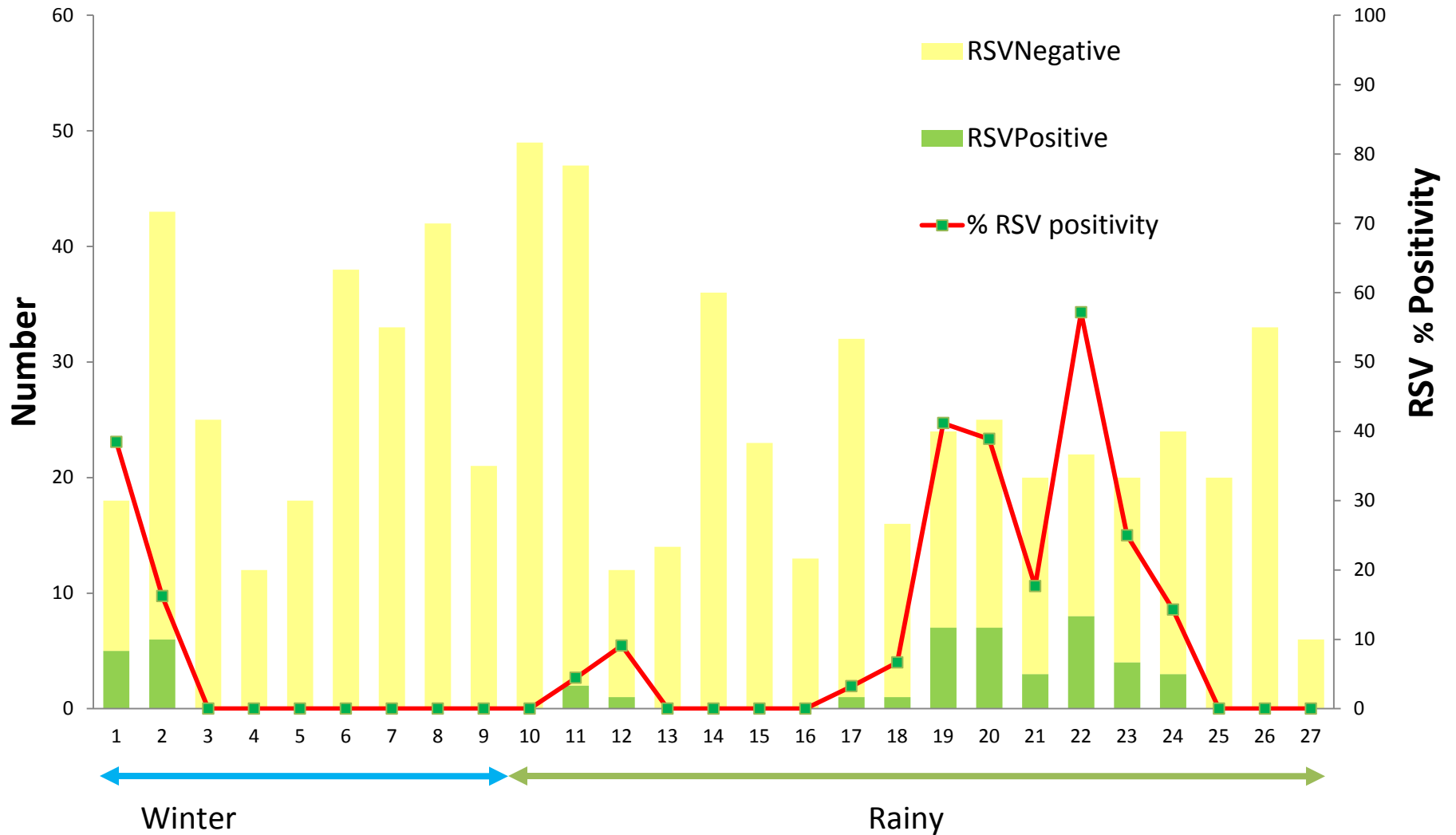
Chile



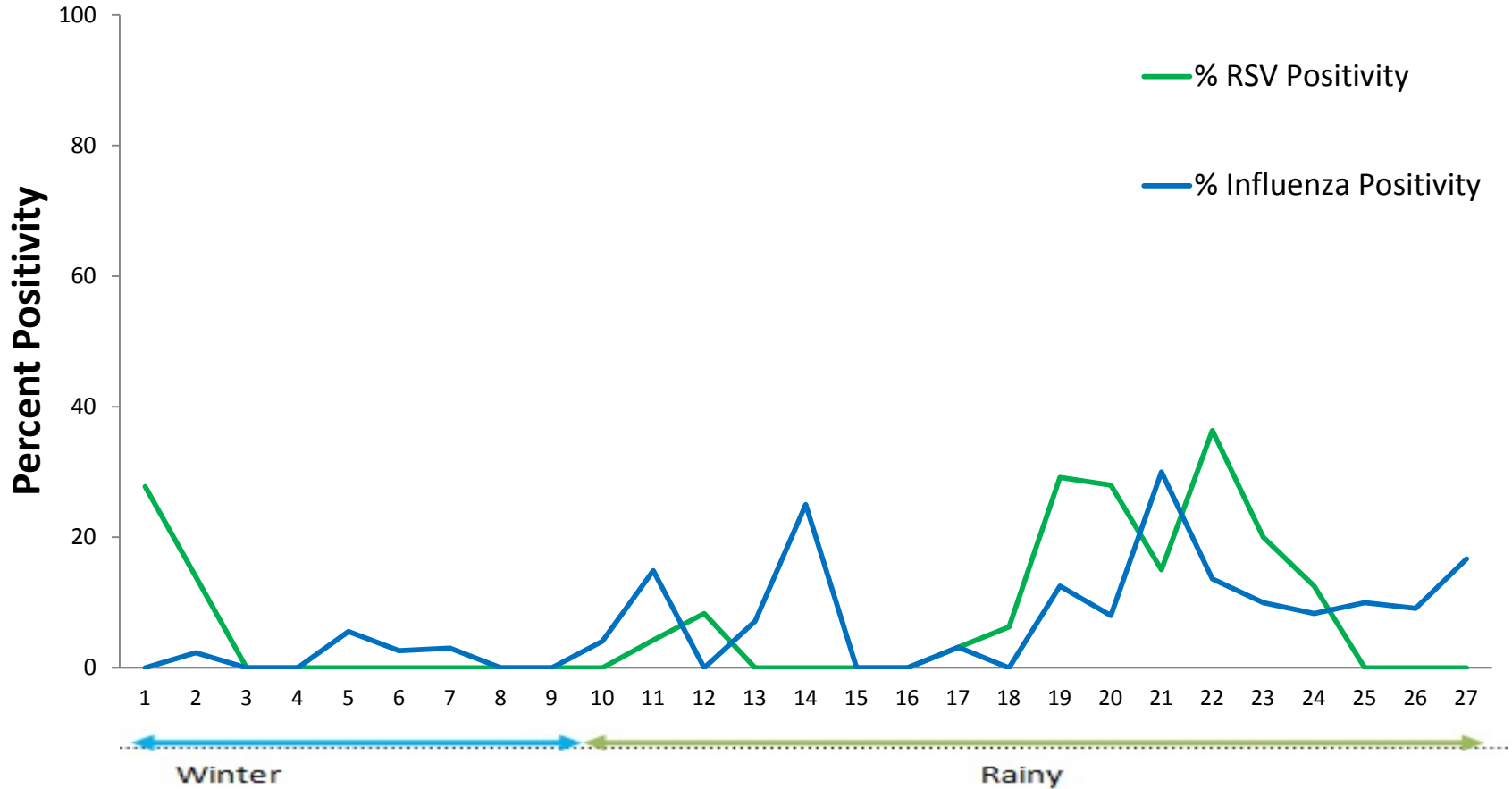
RSV & Influenza Seasonality (Chile)



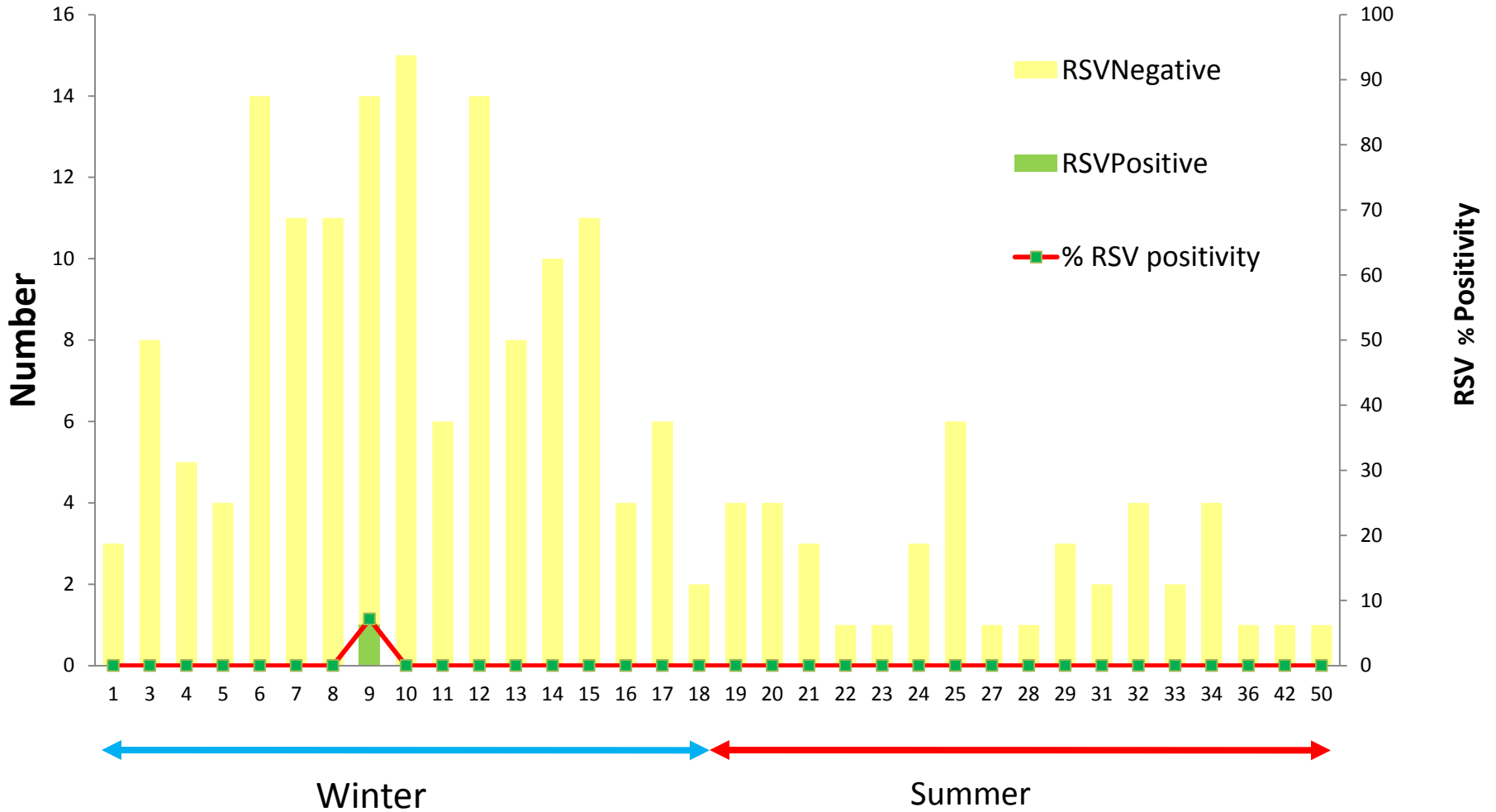
Cote d'Ivoire



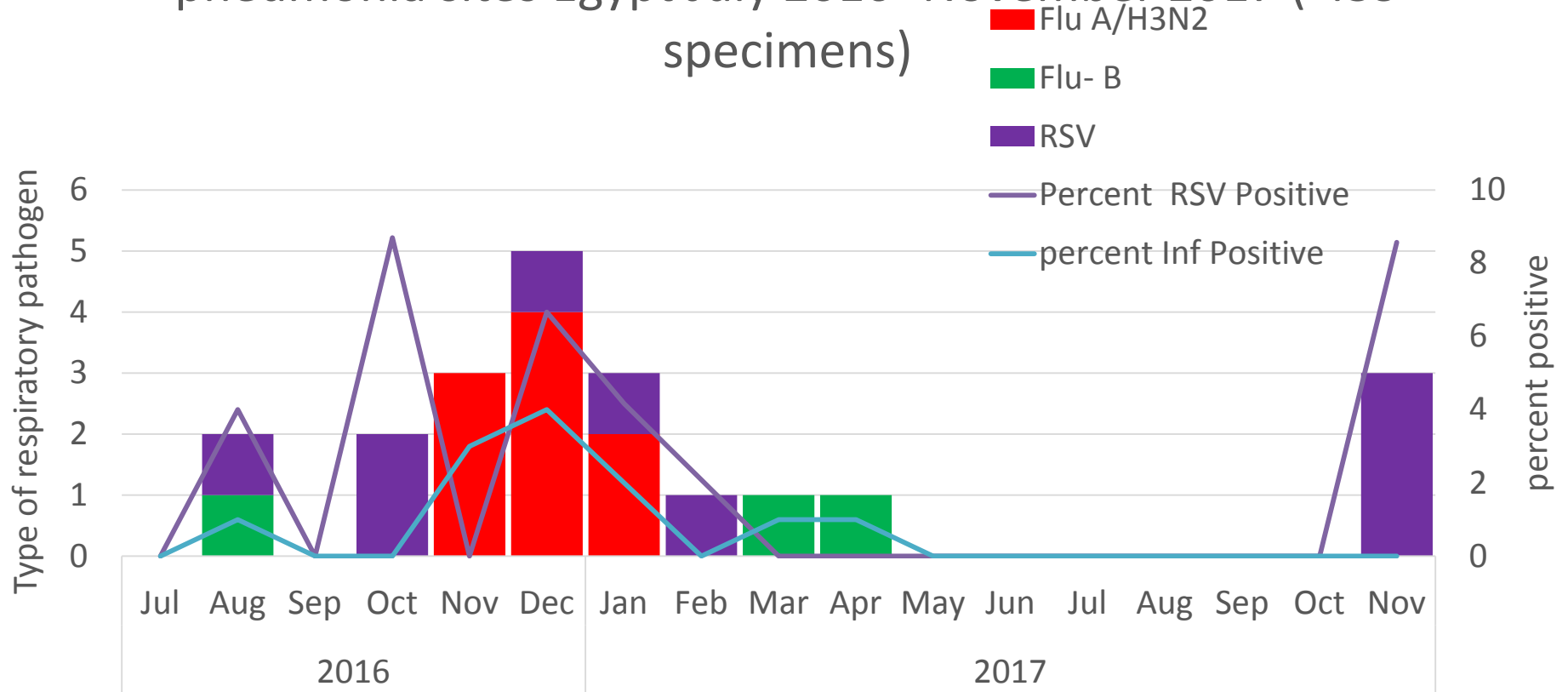
RSV & Influenza Seasonality (Cote d'Ivoire)



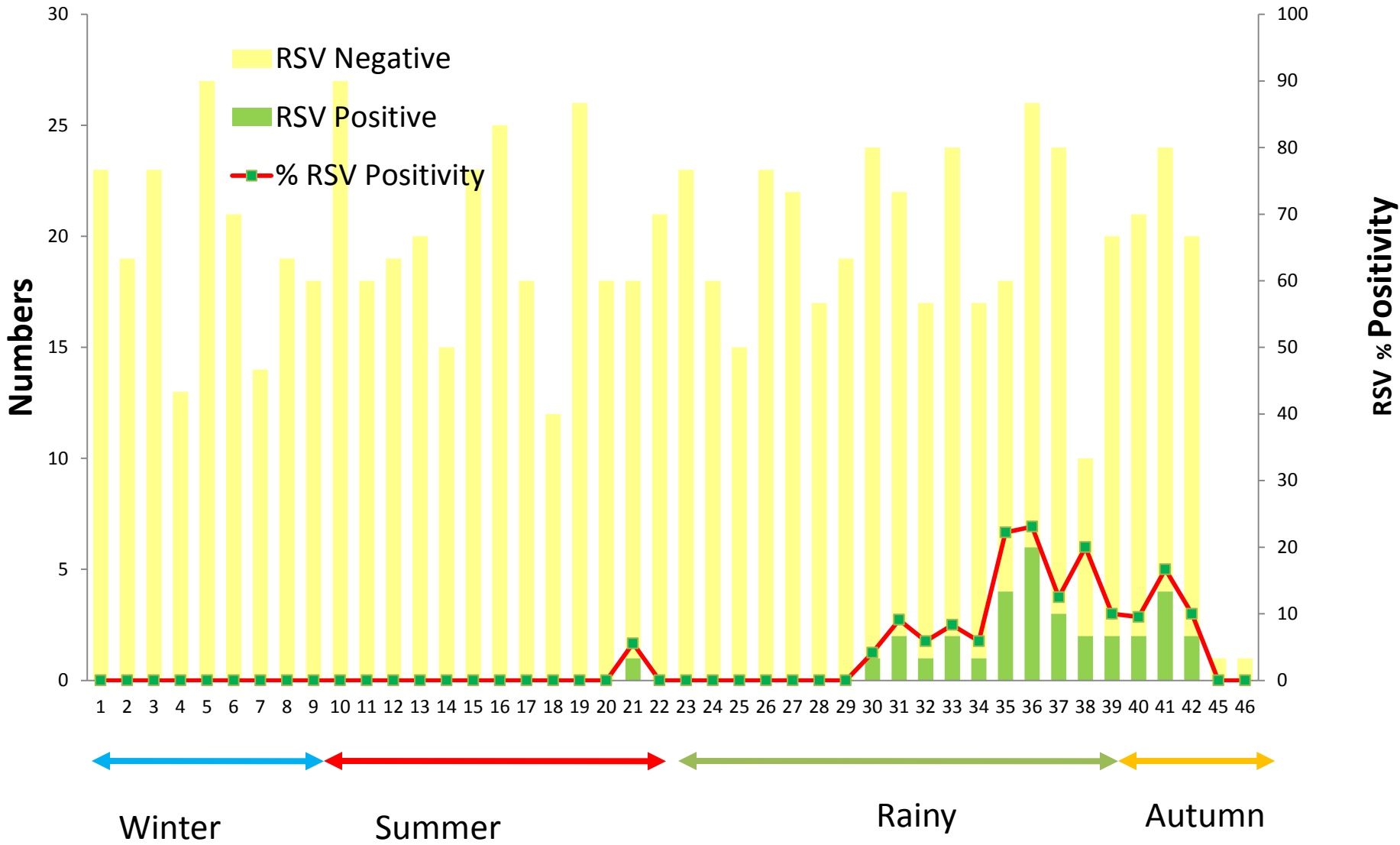
Egypt



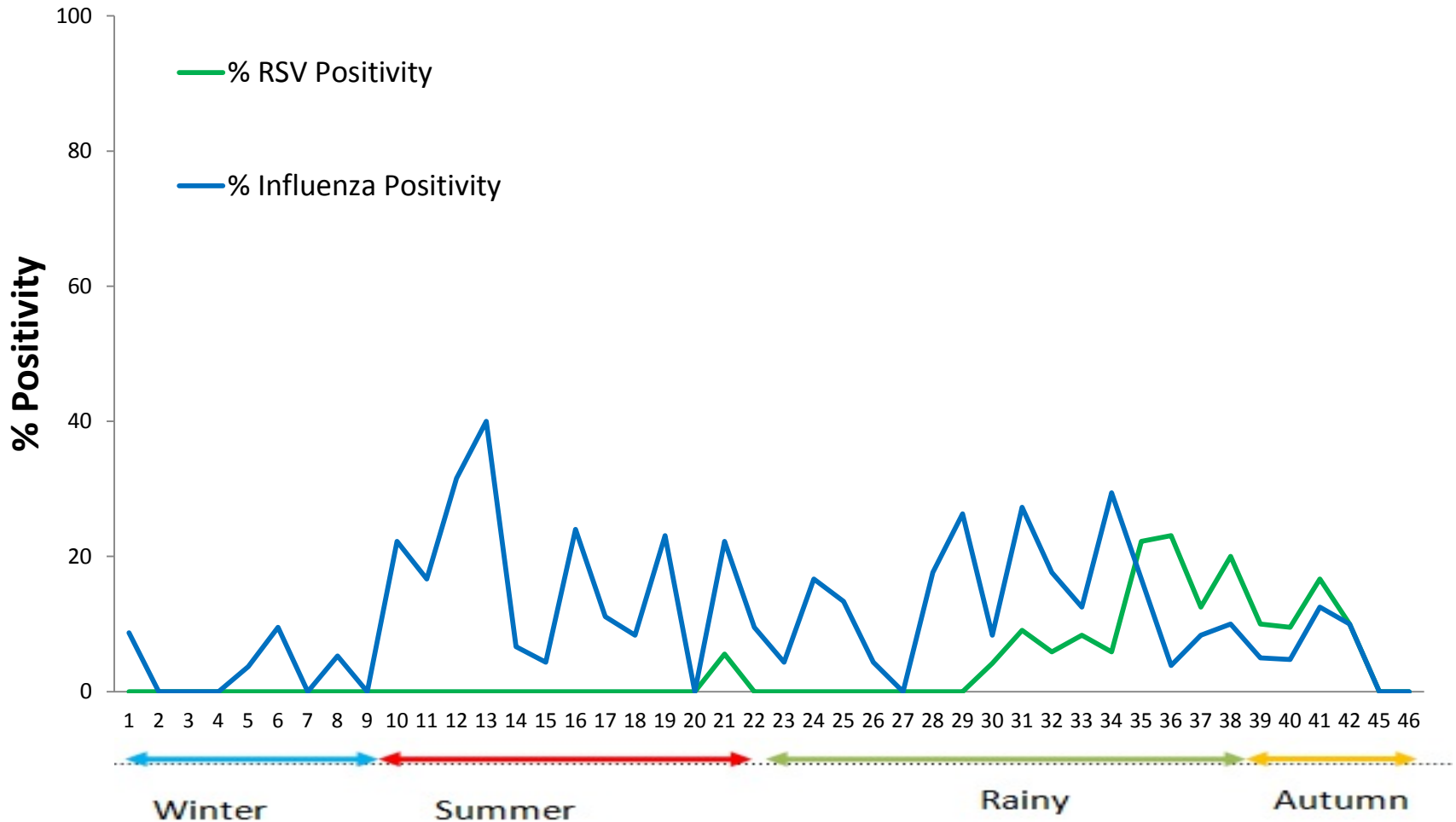
Distribution of Influenza and RSV among 5 sentinel pneumonia sites Egypt July 2016- November 2017 (459 specimens)



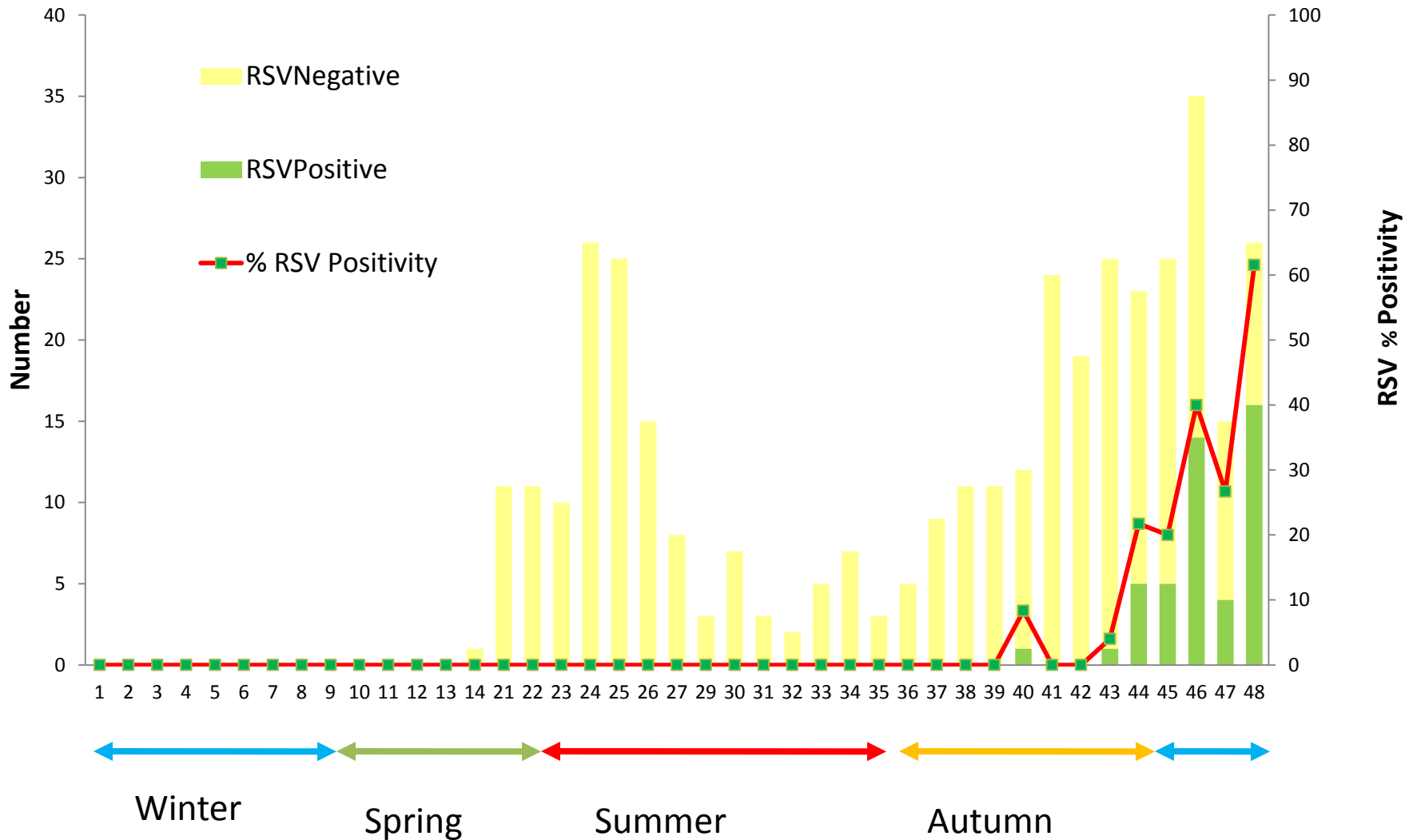
India



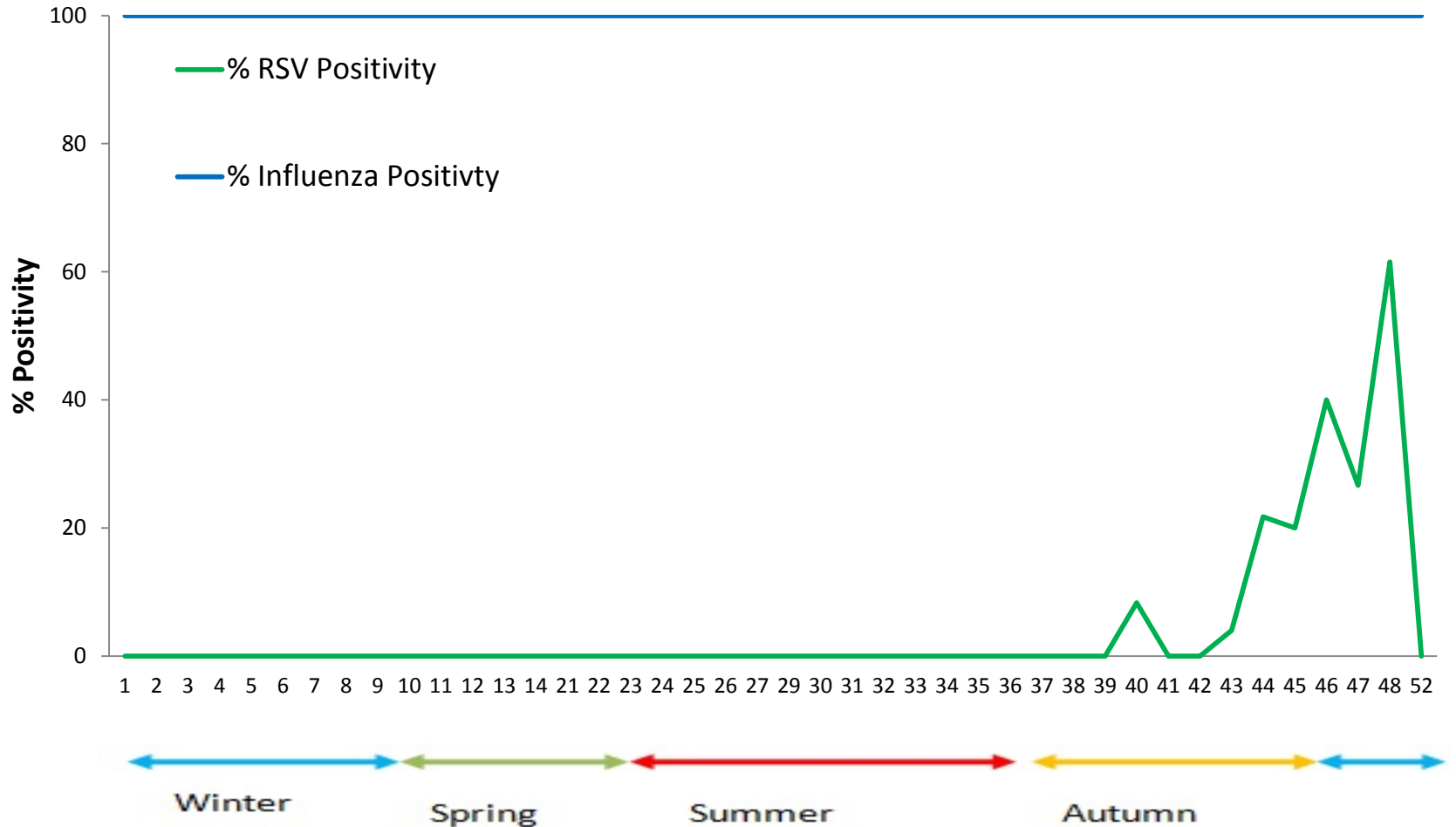
RSV & Influenza Seasonality (India)



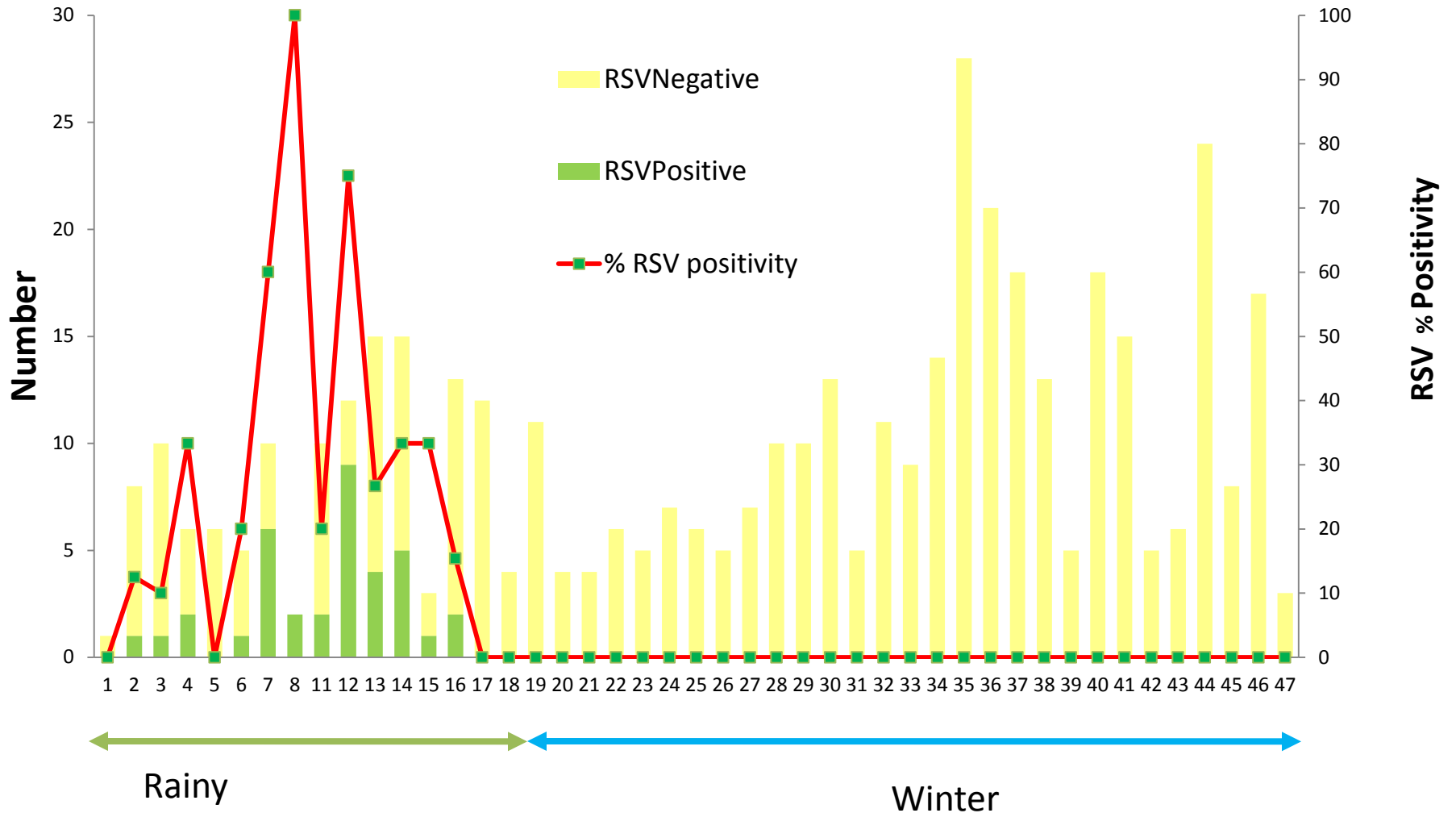
Mongolia



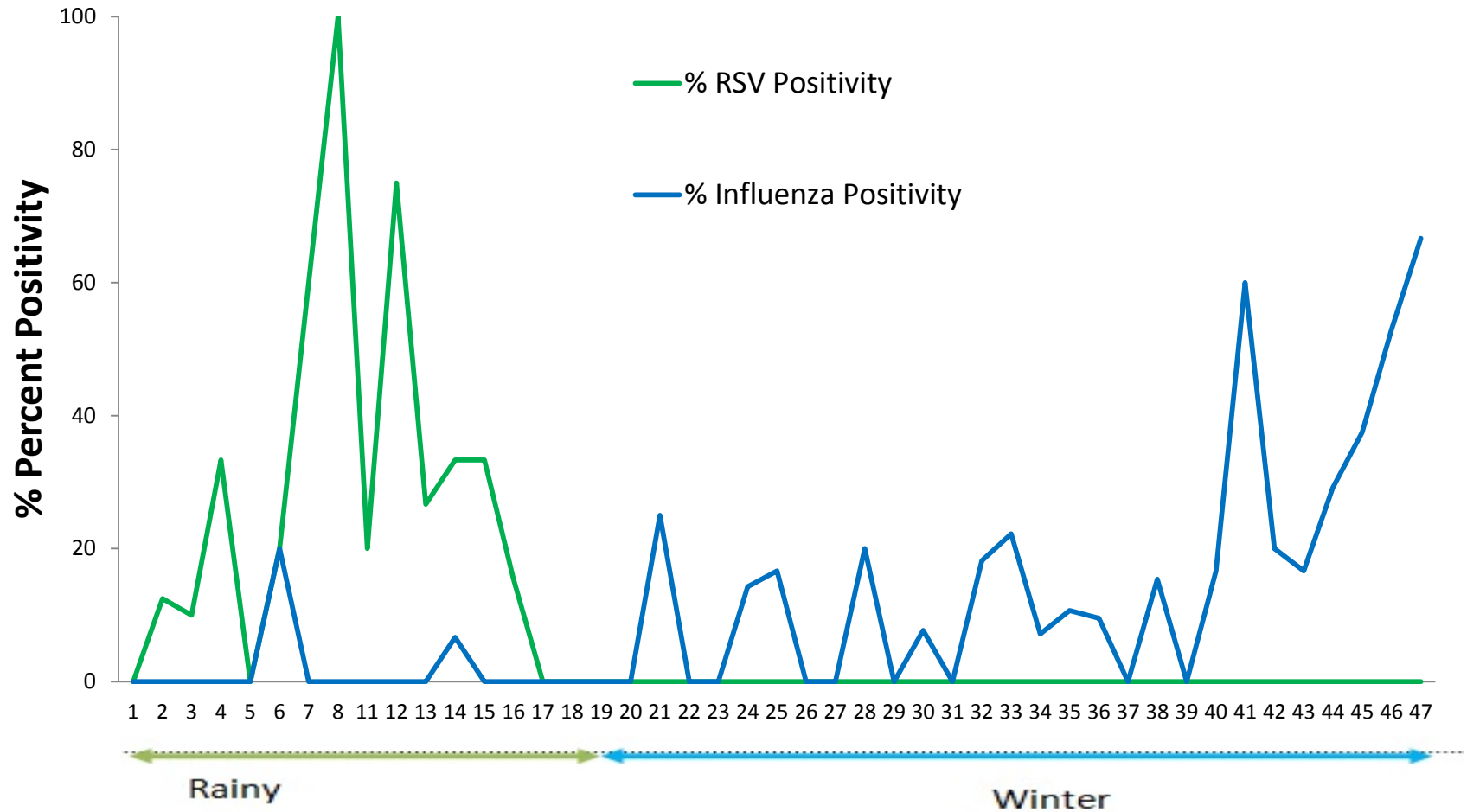
RSV & Influenza Seasonality (Mongolia)



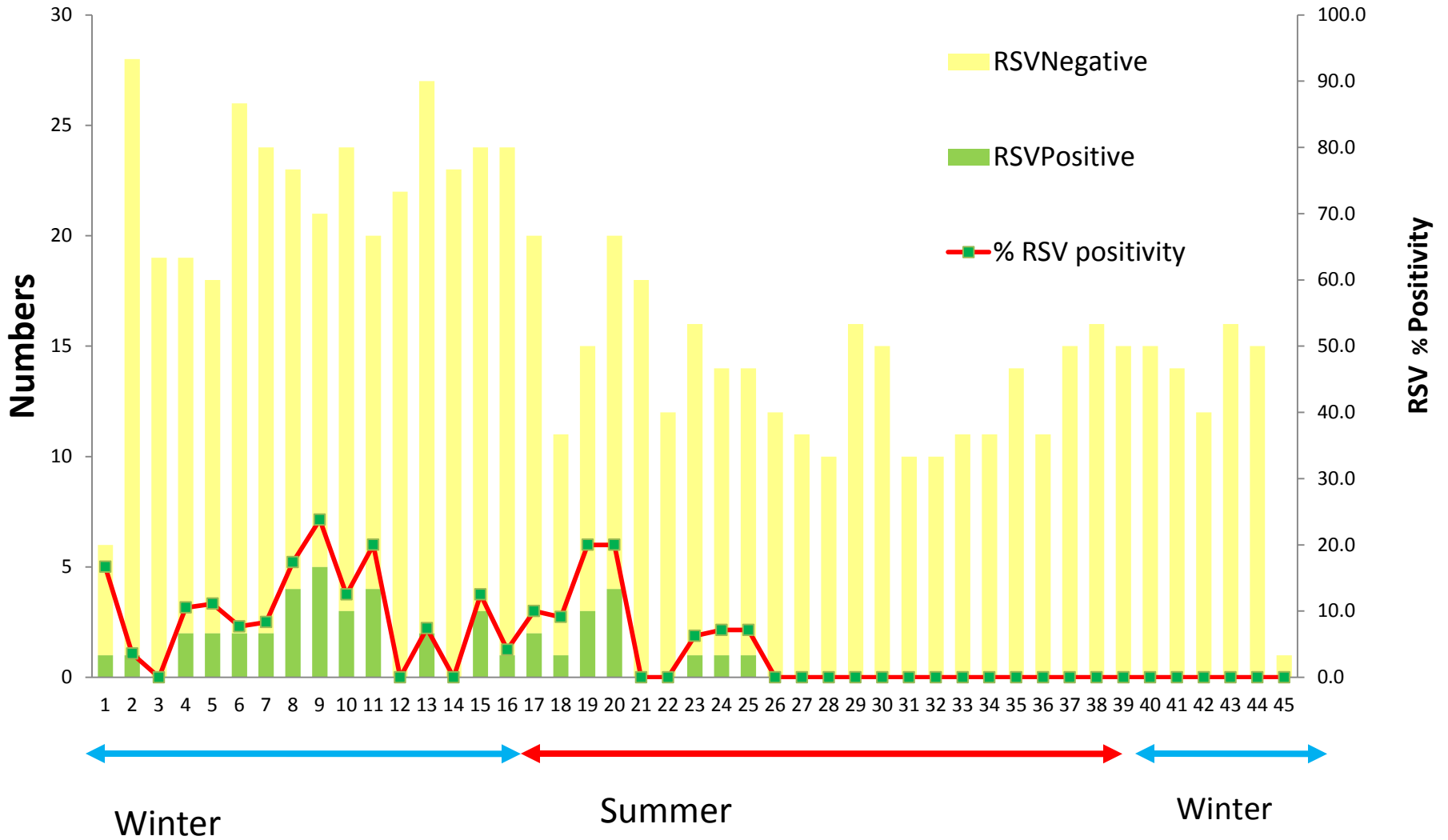
Mozambique



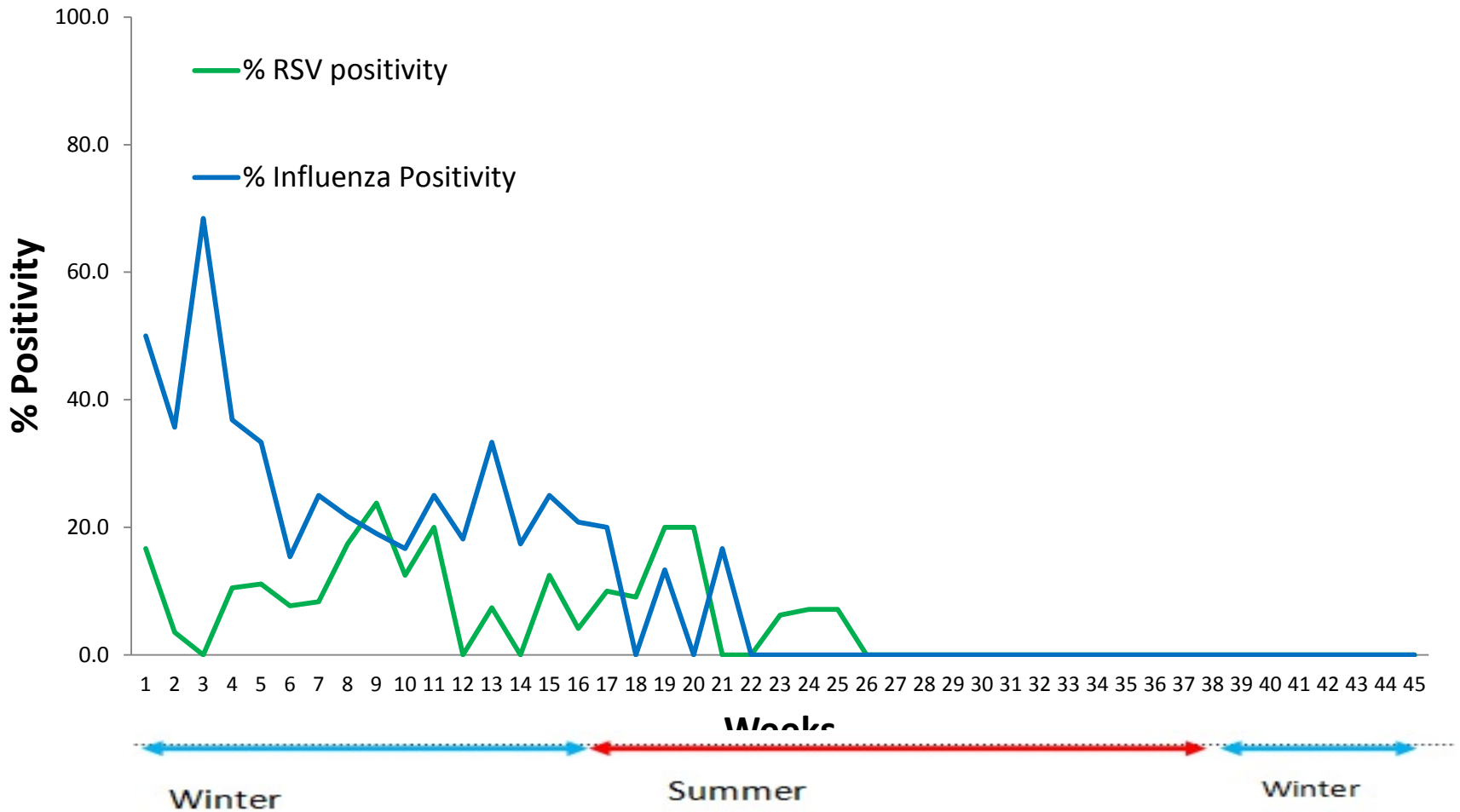
RSV & Influenza Seasonality (Mozambique)



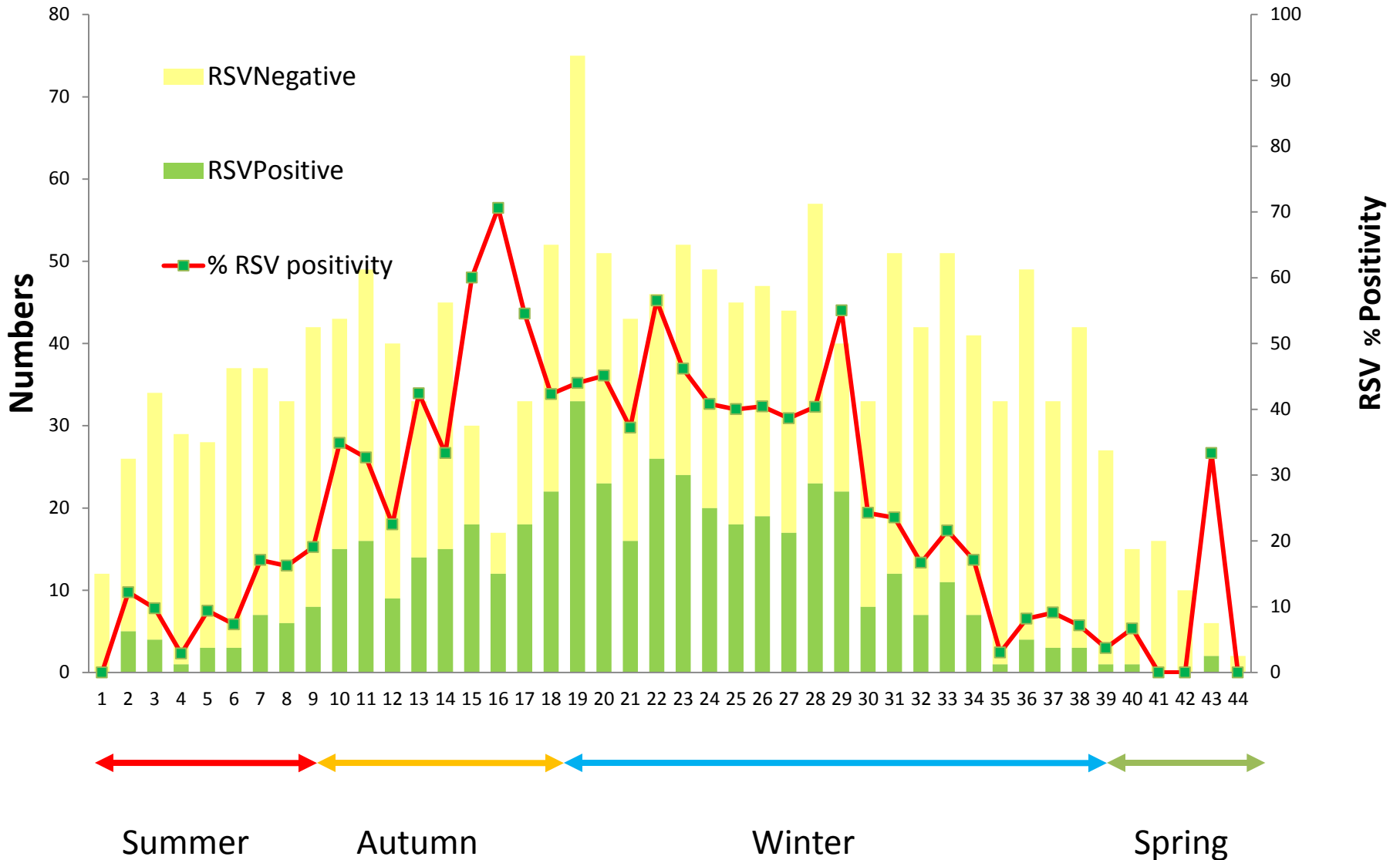
Russian Federation



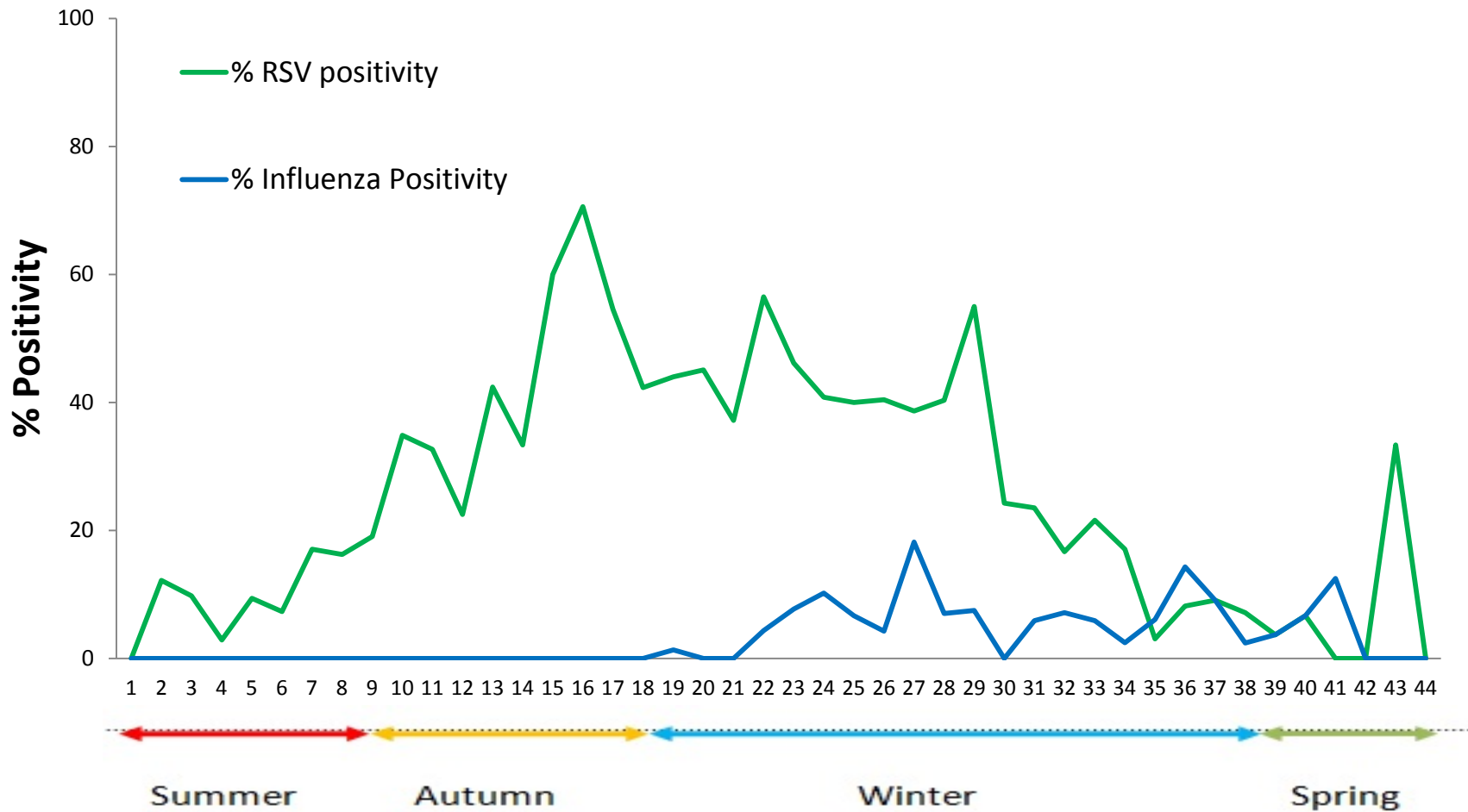
Russian Federation: RSV & Influenza Seasonality



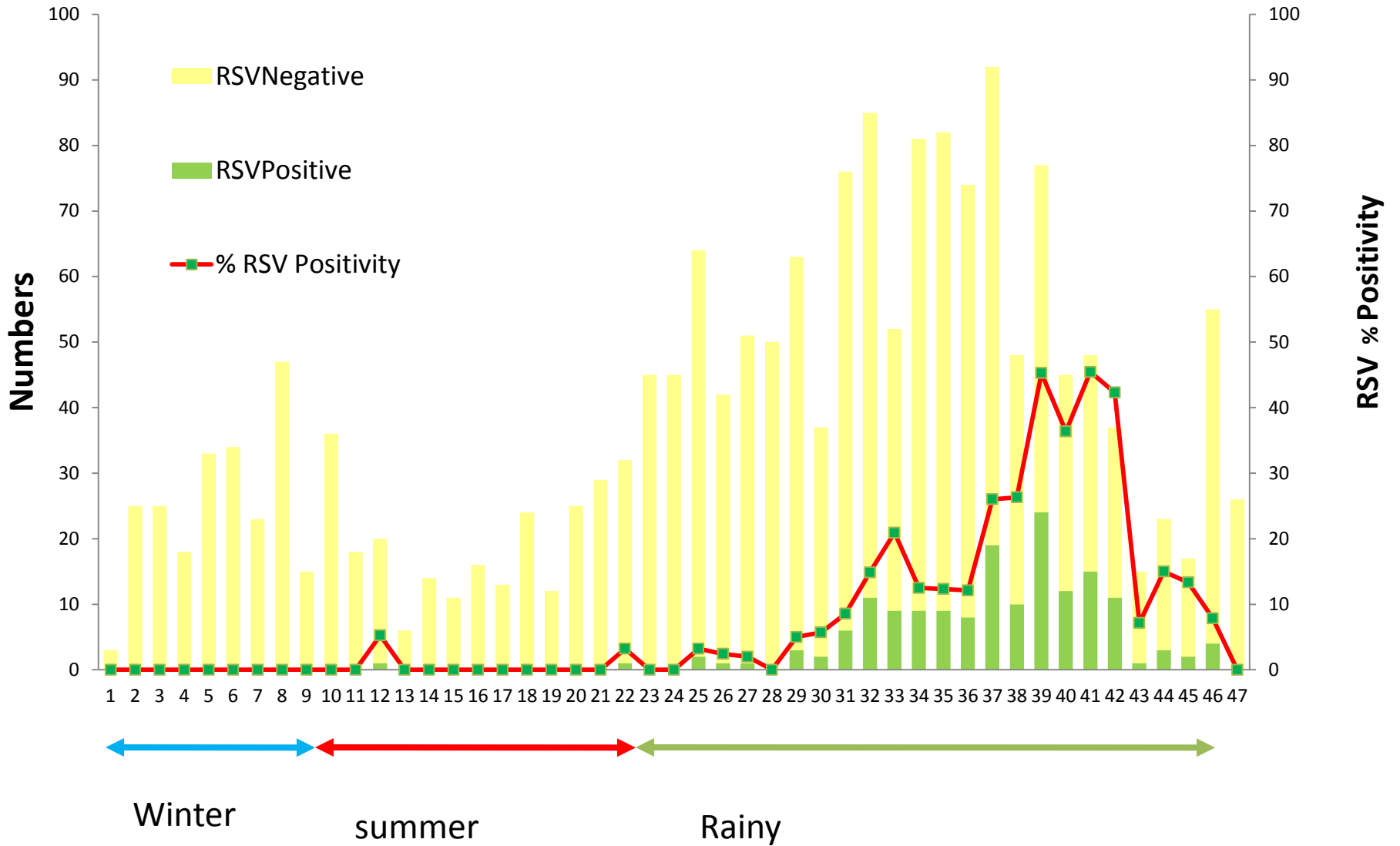
South Africa



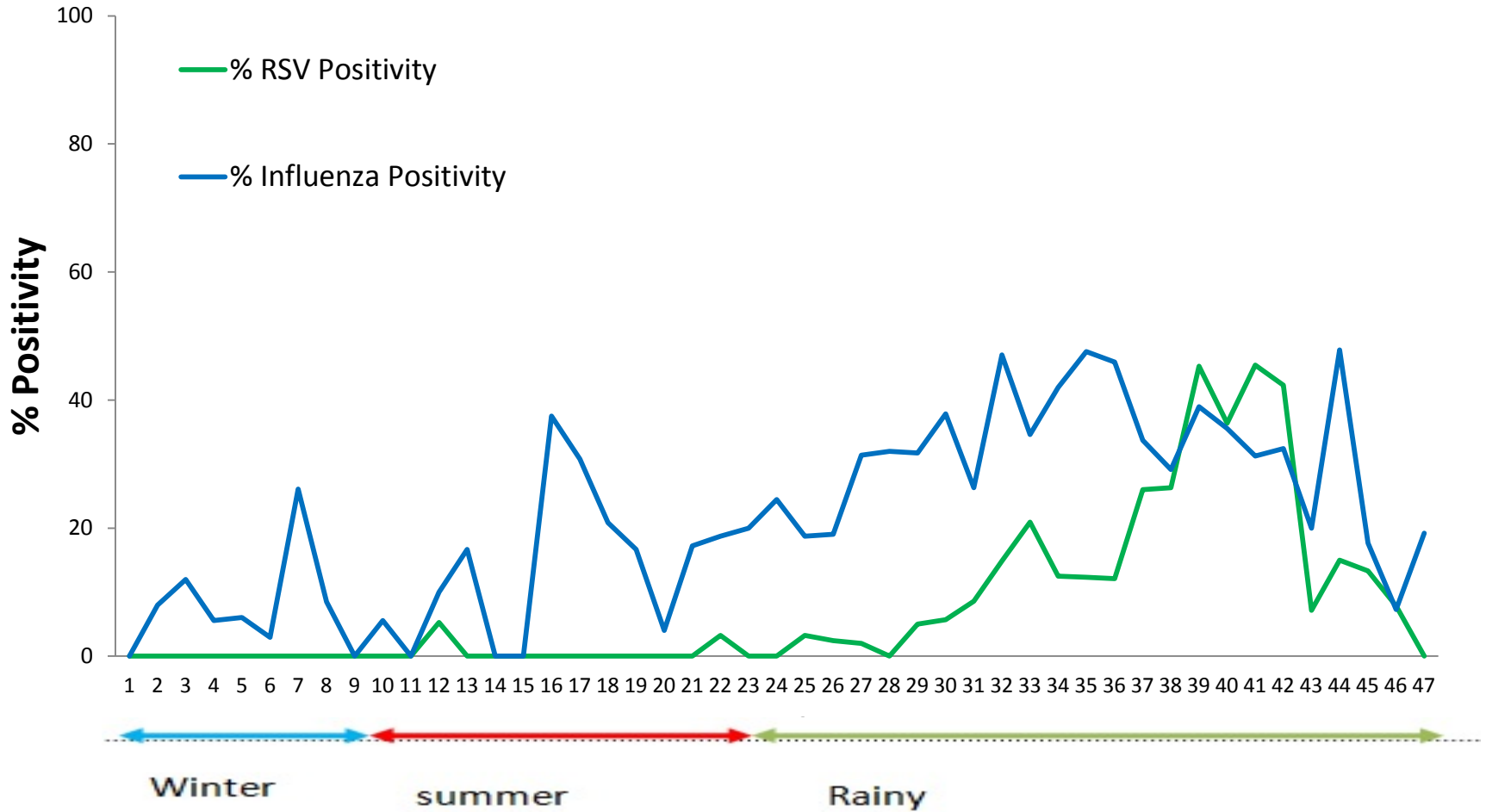
RSV & Influenza Seasonality (South Africa)



Thailand



RSV & Influenza Seasonality (Thailand)



Summary

- A clear seasonality and distinct peaks of RSV activity were observed in
 - ❖ Chile (winter and rainy season)
 - ❖ Cote d'Ivoire, India, Mozambique and Thailand (rainy season)
 - ❖ Mongolia and Russian Federation (winter months)
 - ❖ Australia (winter/spring), Brazil (winter followed by the rainy season), Mongolia (winter)
- Argentina and South Africa have RSV throughout the year
- **RSV season mainly coincides with the rainy season or winter months**

Summary cont---

RSV and Influenza activity overlap

- Mozambique: RSV in the rainy season & influenza during the winter
- Thailand influenza is observed through out the year.
- Argentina and South Africa in 2017 had shorter influenza seasons in comparison with RSV

Thank you

