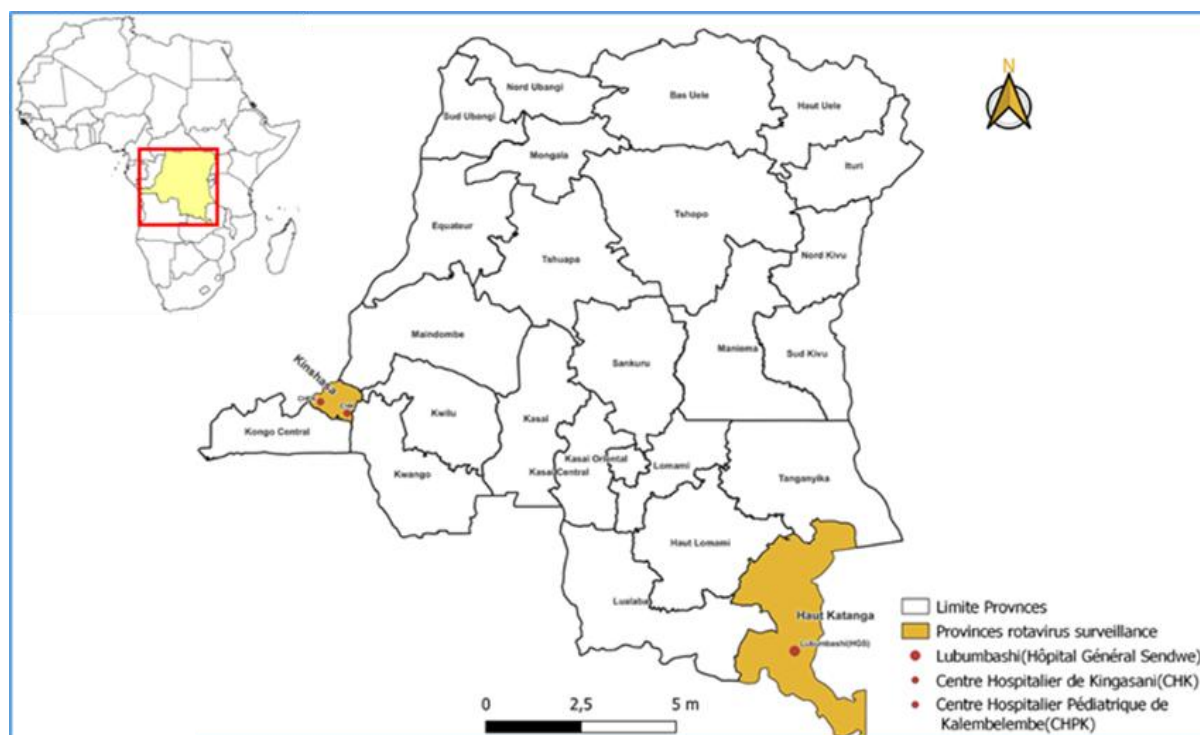


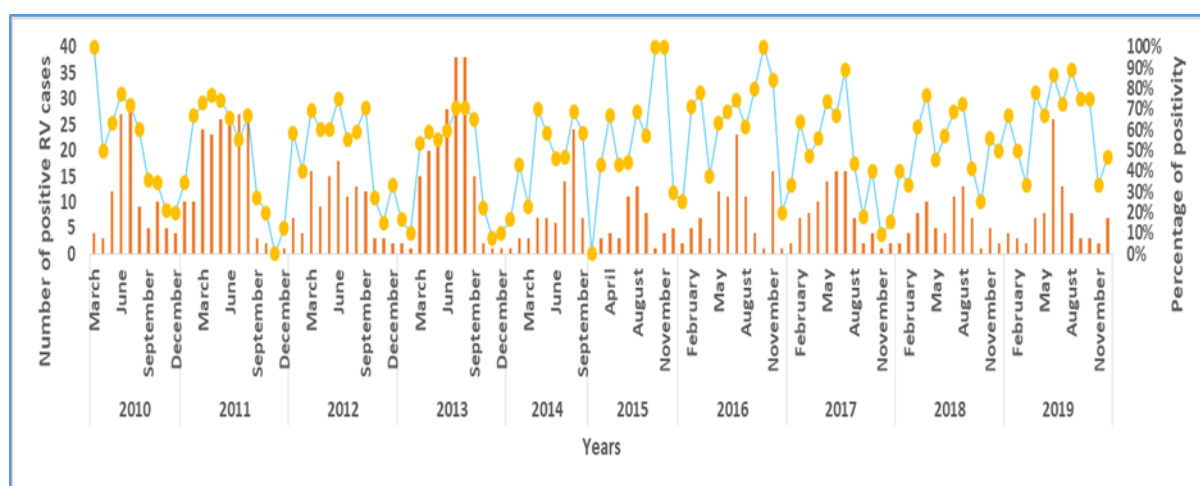
SUPPLEMENTAL MATERIAL

Appendix 1: Location of rotavirus gastroenteritis sentinel surveillance sites in the DR Congo.

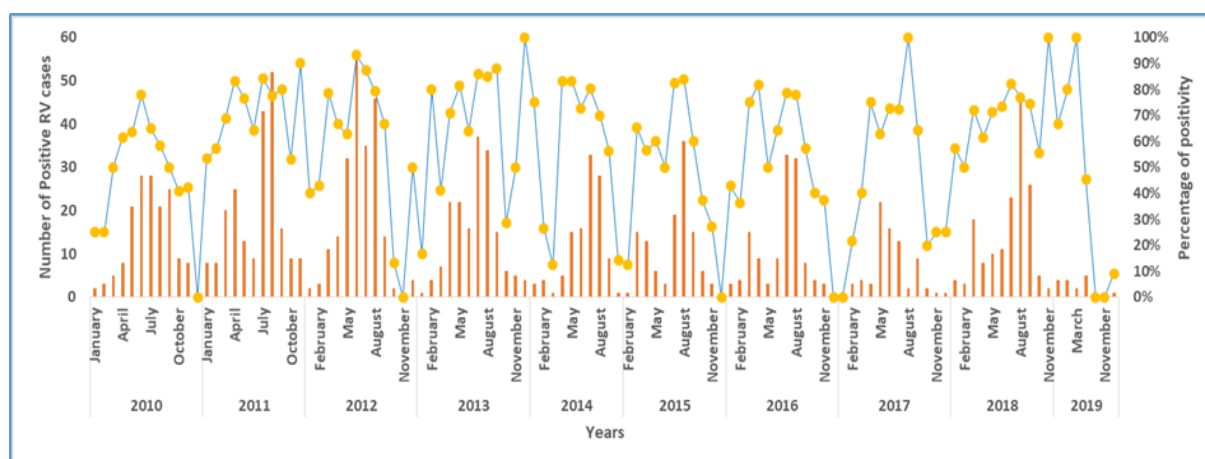


Appendix 2: Seasonality of Rotavirus gastroenteritis by surveillance sites in DR Congo

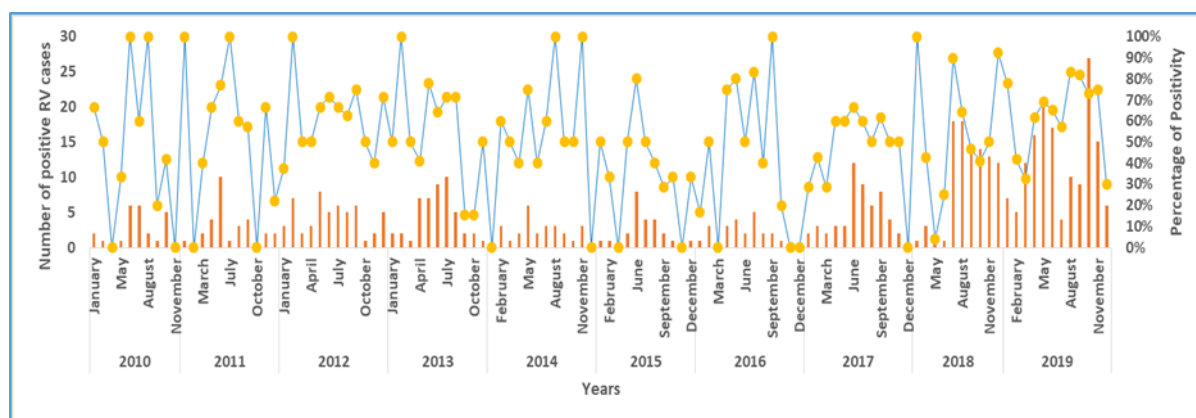
- CHK (centre hospitalier de Kingasani)



- HPK (Hôpital pédiatrique de Kalembelembe)

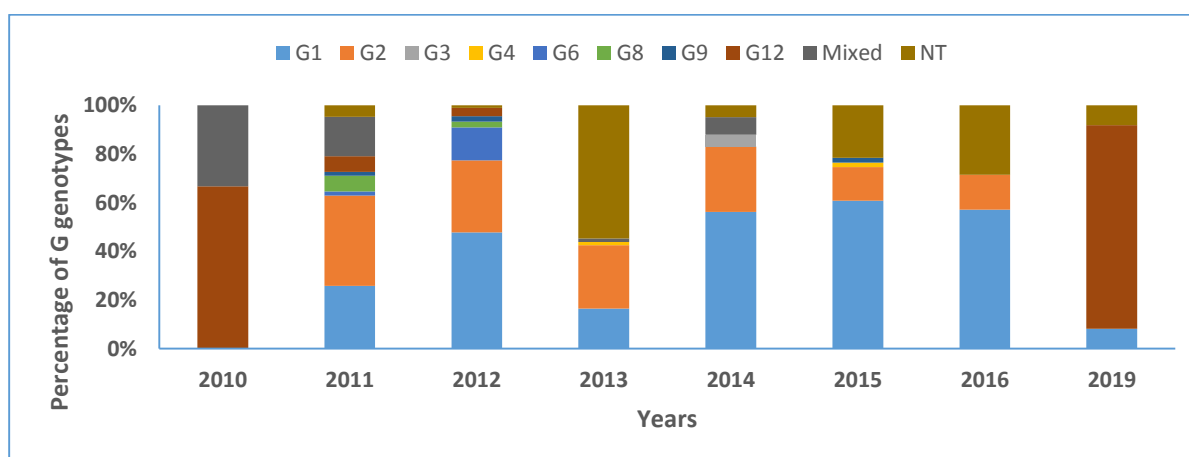


- HGS (Hôpital Général Sendwe)

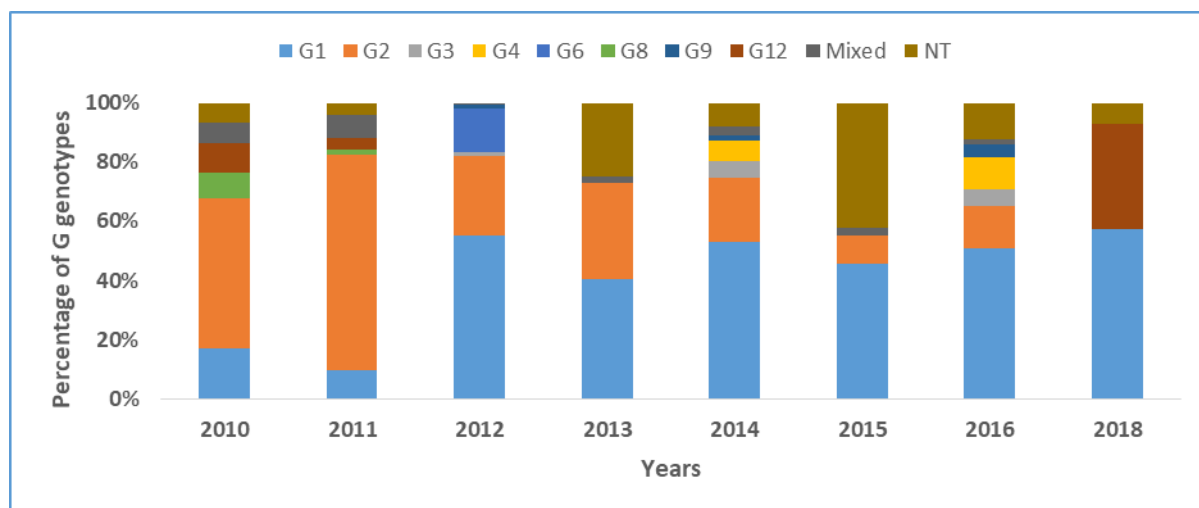


Appendix 3: Temporal evolution of the proportions of G genotypes by sites in the DRC.

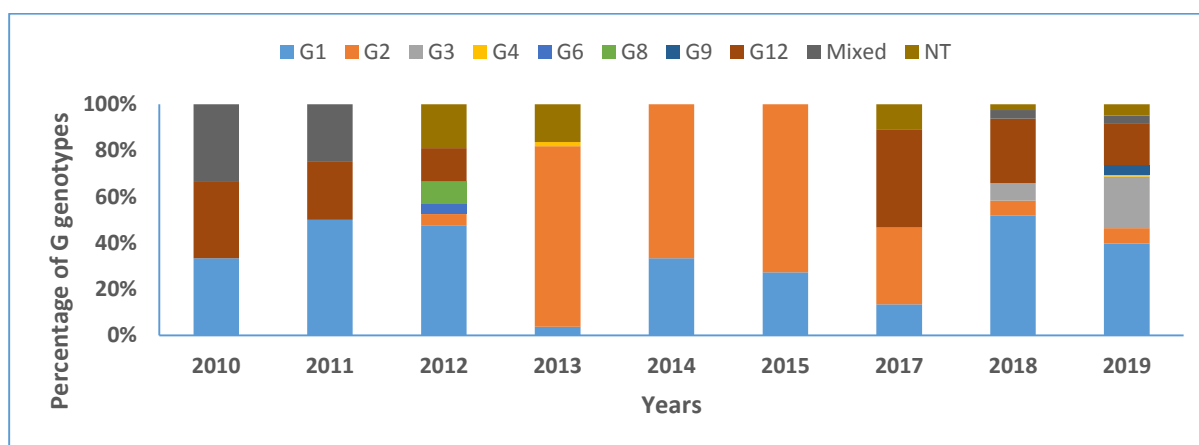
- CHK (centre hospitalier de Kingasani)



- HPK (Hôpital pédiatrique de Kalembelembe)

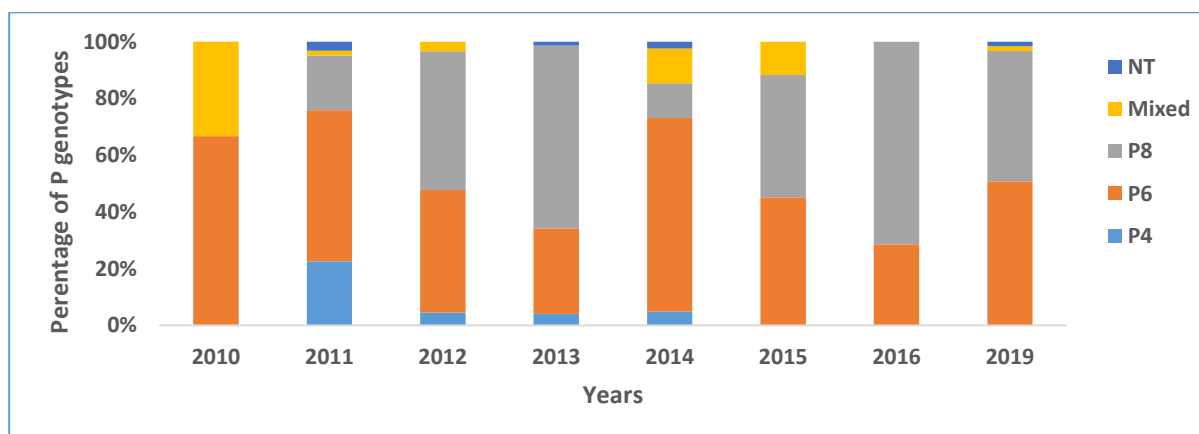


- HGS (Hôpital Général Sendwe)

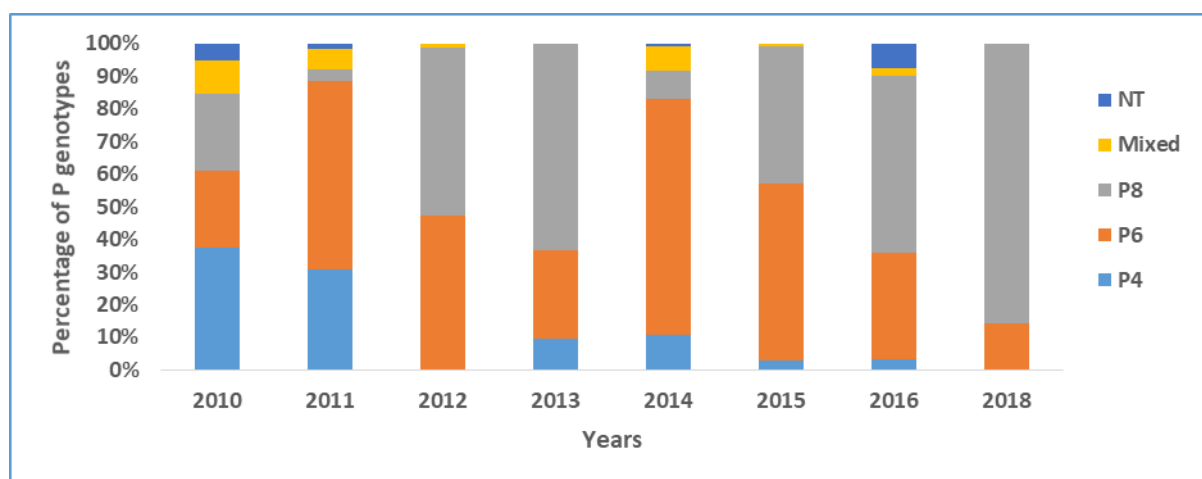


Appendix 4: Temporal evolution of the proportions of P genotypes by sites.

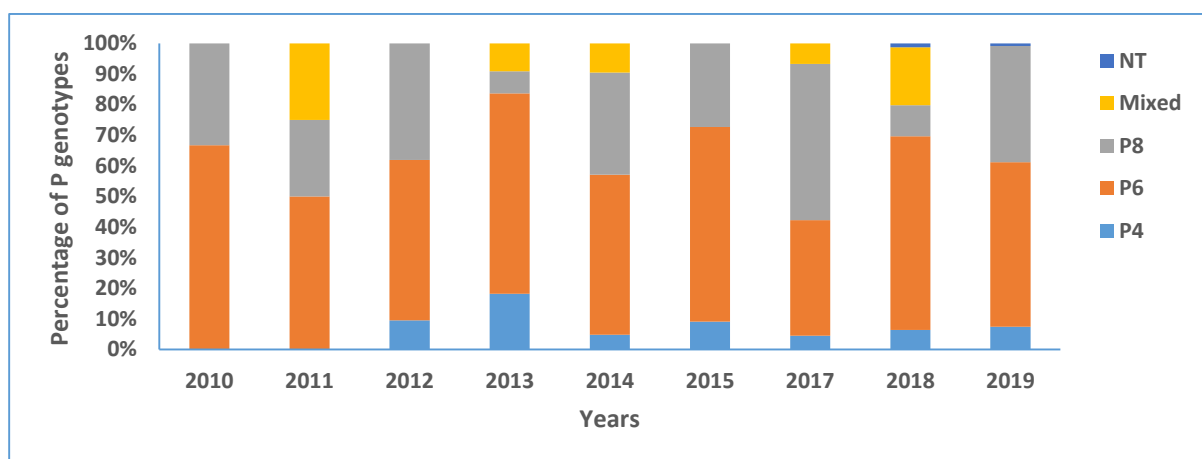
- CHK (centre hospitalier de Kingasani)



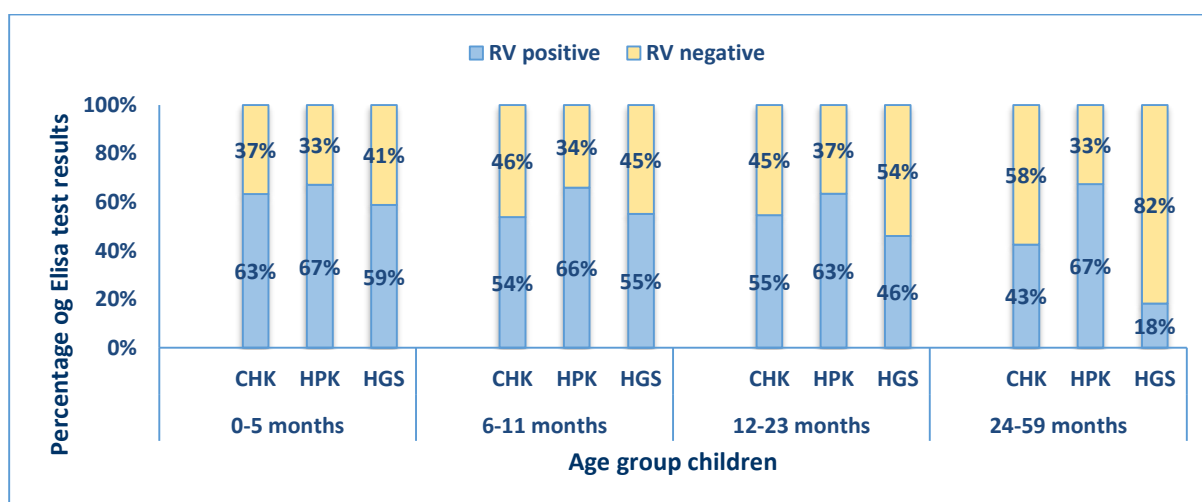
▪ HPK (Hôpital pédiatrique de Kalembelembe)



▪ HGS (Hôpital Général Sendwe)



Appendix 5: Positivity to the diagnostic test for Rotavirus infection by age group and by site.



Appendix 6: Distribution of G and P genotype associations by year.

Genotypes	Number of positive samples											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
G-types (VP7)												
G1	27	11	23	144	35	89	83	65	6	49	53	585
G2	0	30	60	72	79	49	25	18	15	5	8	361
G3	0	0	0	2	0	8	0	7	0	6	27	50
G12	3	9	7	6	0	0	0	0	19	27	73	144
Others	13	5	7	46	2	10	2	18	0	0	6	109
Mixed*	13	6	15	1	2	6	3	2	0	3	4	55
NT**	10	4	5	5	62	11	56	17	5	3	11	189
P-types (VP4)												
P4	0	22	27	6	18	15	4	4	2	5	9	112
P6	32	18	66	128	72	119	88	41	17	52	96	729
P8	26	15	15	137	84	22	70	70	23	20	74	556
Mixed*	1	7	6	5	5	15	7	3	3	15	1	68
NT**	7	3	3		1	2	0	9	0	1	2	28
Combined genotypes												
G1P[8]	9	6	7	119	30	19	63	56	4	7	11	331
G1P[6]	12	4	15	22	5	63	16	3	2	38	33	213
G2P[4]	0	21	23	4	18	6	2	1	2	0	0	77
G2P[6]	0	4	33	61	50	35	21	13	13	3	2	235
G3P[6]	0	0	0	1	1	1	0	5	0	1	24	33
G6P[6]	0	0	1	37	0	0	0	0	0	0	0	38
G12P[6]	0	7	1	3	0	0	0	0	0	5	27	43
G12P[8]	3	2	5	3	0	0	0	0	17	12	44	86
Others	42	21	32	26	76	49	67	49	7	27	41	437

* Mixed: infections combining several genotypes; ** NT: Not typable