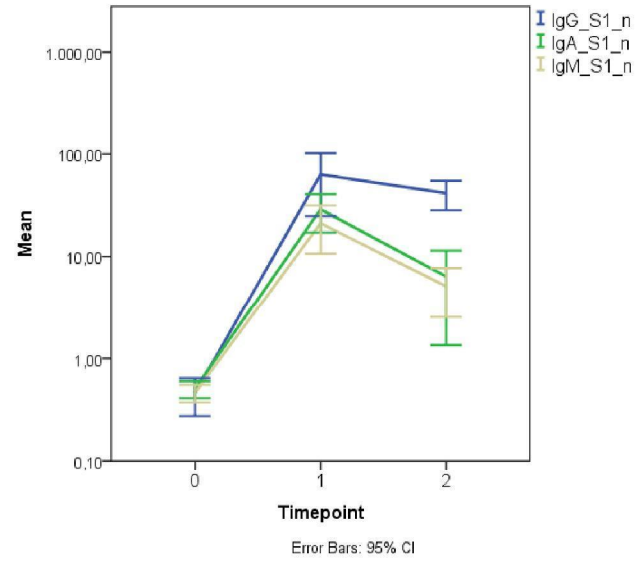


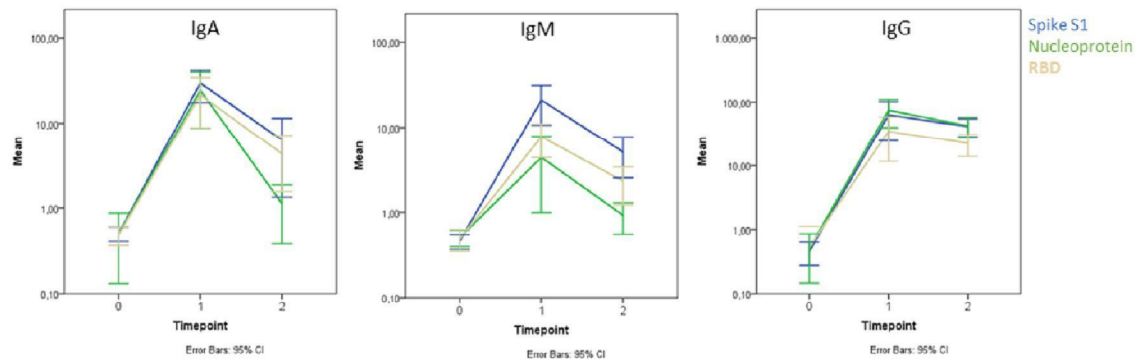
# Ig kinetics to SARS-CoV-2

PiCo and FFX

# S1-specific antibodies, kinetics vary (PiCo)

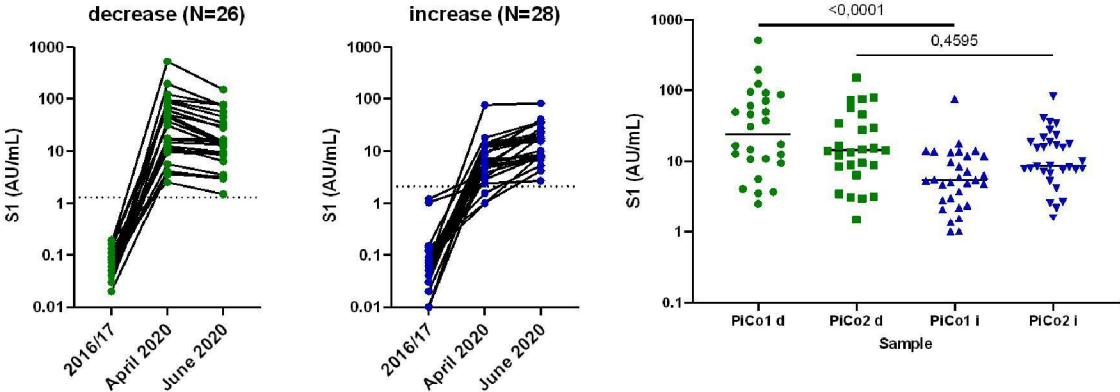


# Kinetics of isotypes and specificities (PiCo)

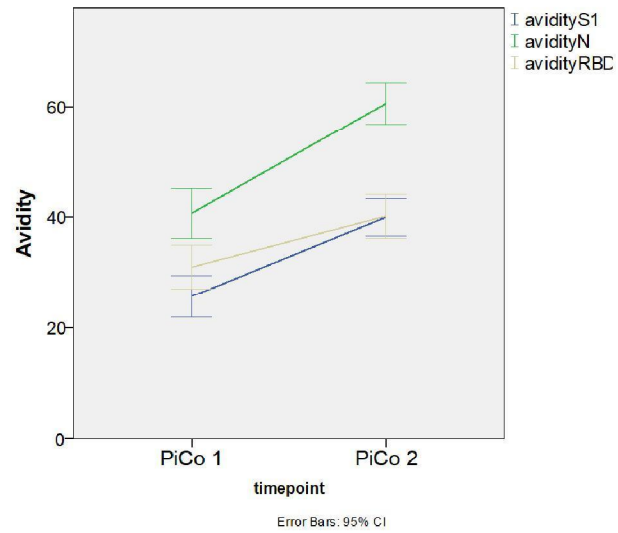


		PiCo1 V PiCo2	P3 V PiCo2
		Sig. (2-tailed)	Sig. (2-tailed)
IgG	S1	0,288	0
	N	<b>0,094</b>	0
	RBD	0,318	0
IgA	S1	0,001	0,023
	N	0,004	<b>0,134</b>
	RBD	0,01	0,008
IgM	S1	0,004	0,001
	N	0,047	<b>0,034</b>
	RBD	0,003	0,002

# Timing of sampling



## IgG avidity (PiCo)

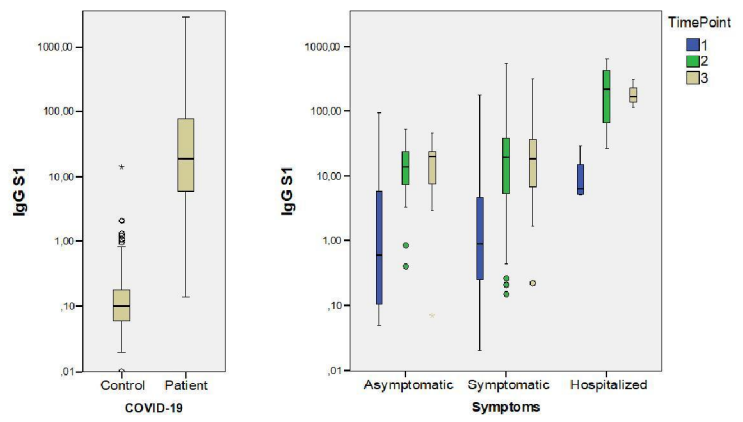


- Matching disease days
- Add severity of symptoms

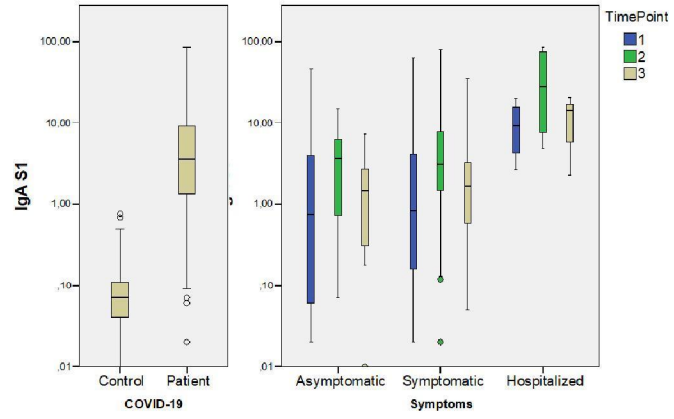
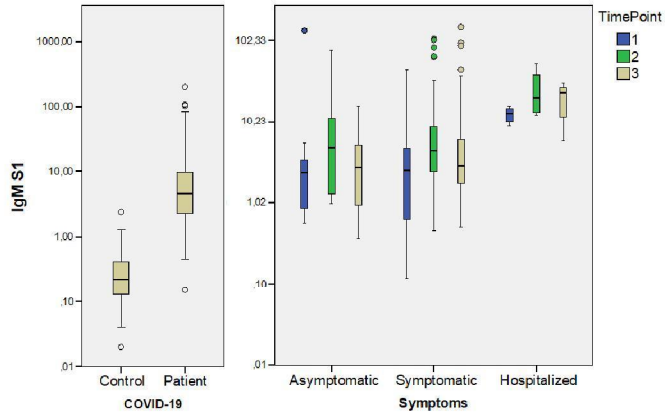
## FFX study

	Age group		Significance	
	1-16	17>		
	Mean	Count	Mean	Count
Age	12		42	
Sex				
male		14 (47%)		33 (37%)
Days post symptoms	10		12	
Index case		0		55
Symptoms				<0.001
Asymptomatic		9 (30%)		2 (2.5%)
Non-hospitalized		21 (70%)		71 (88.8%)
Hospitalized		0 (0%)		7 (8.8%)

# IgG to Spike S1 (FFX)

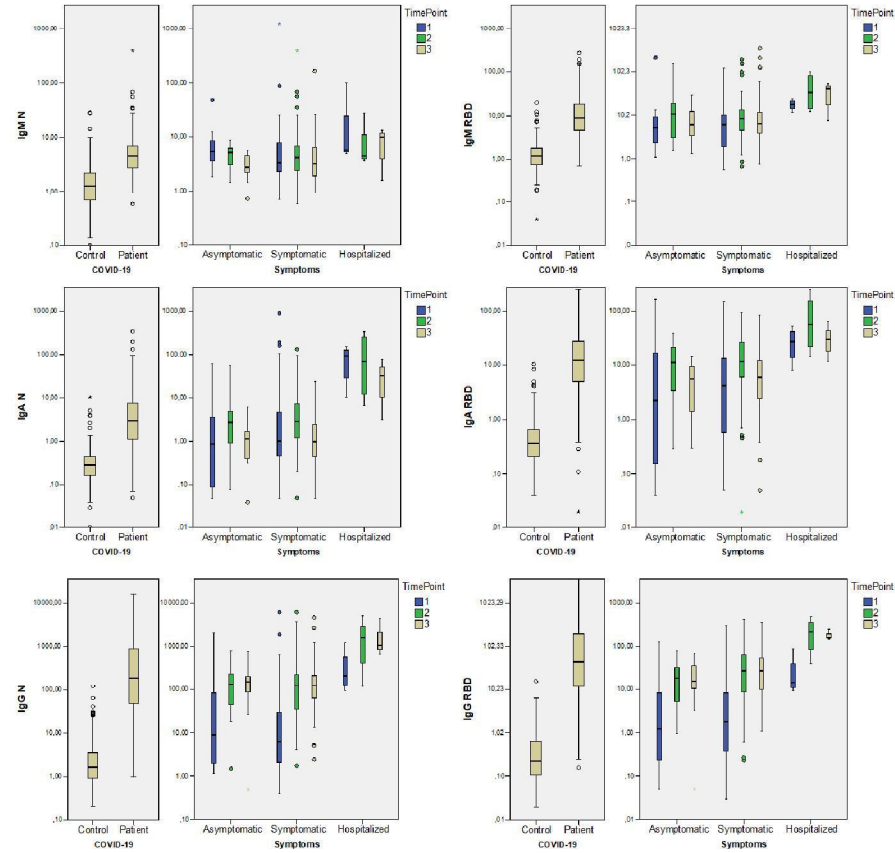


# IgM and IgA

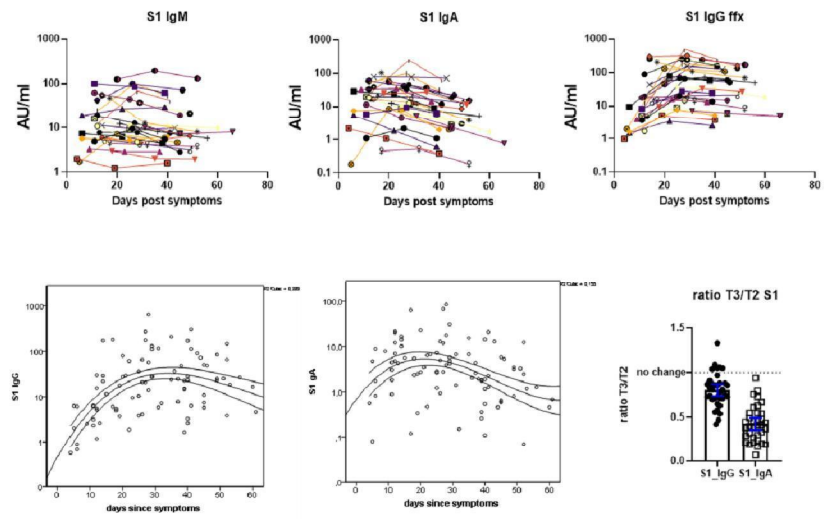




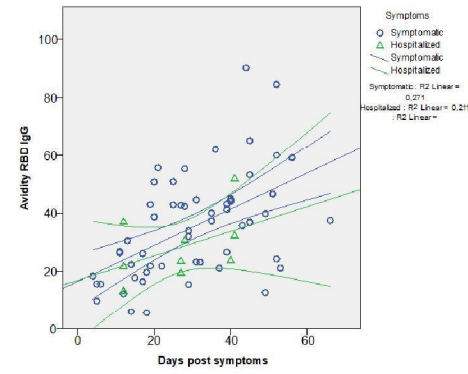
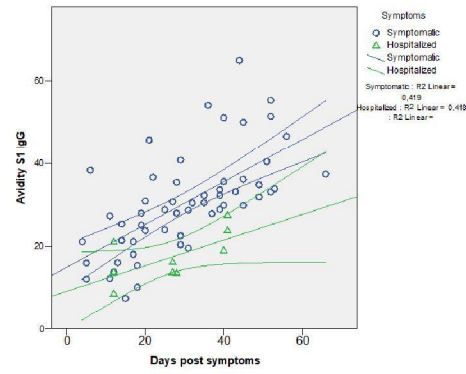
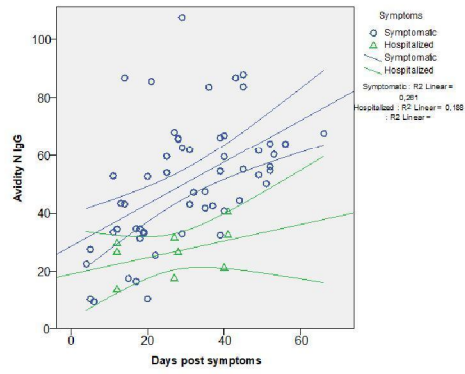
# Rich dataset



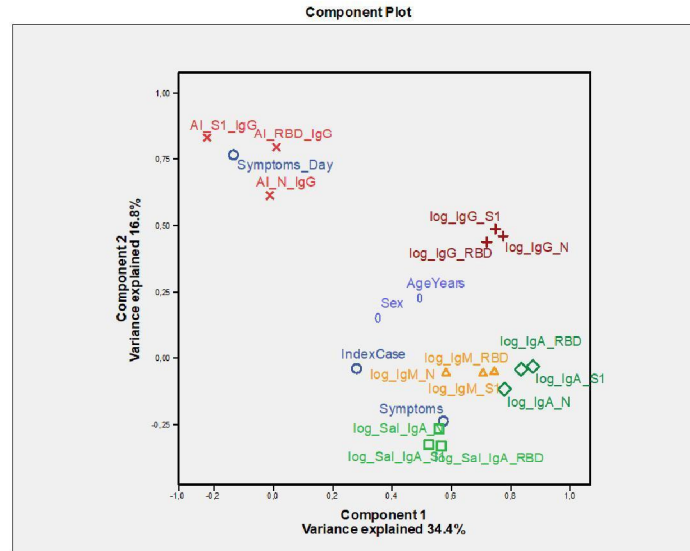
# Decay rate of IgG and IgA



# Development of IgG avidity



PCA shows



## Conclusion/Discussion

- Rapid decay of IgA (and IgM)
  - Rapid decay of anti-N antibodies
  - Spike S1 IgG most persistent
  - All concentrations decrease, avidity increases
- 
- Two independent studies, One message
  - Joined effort > joined CiB-wide (EPI IDS IIV) publication?