

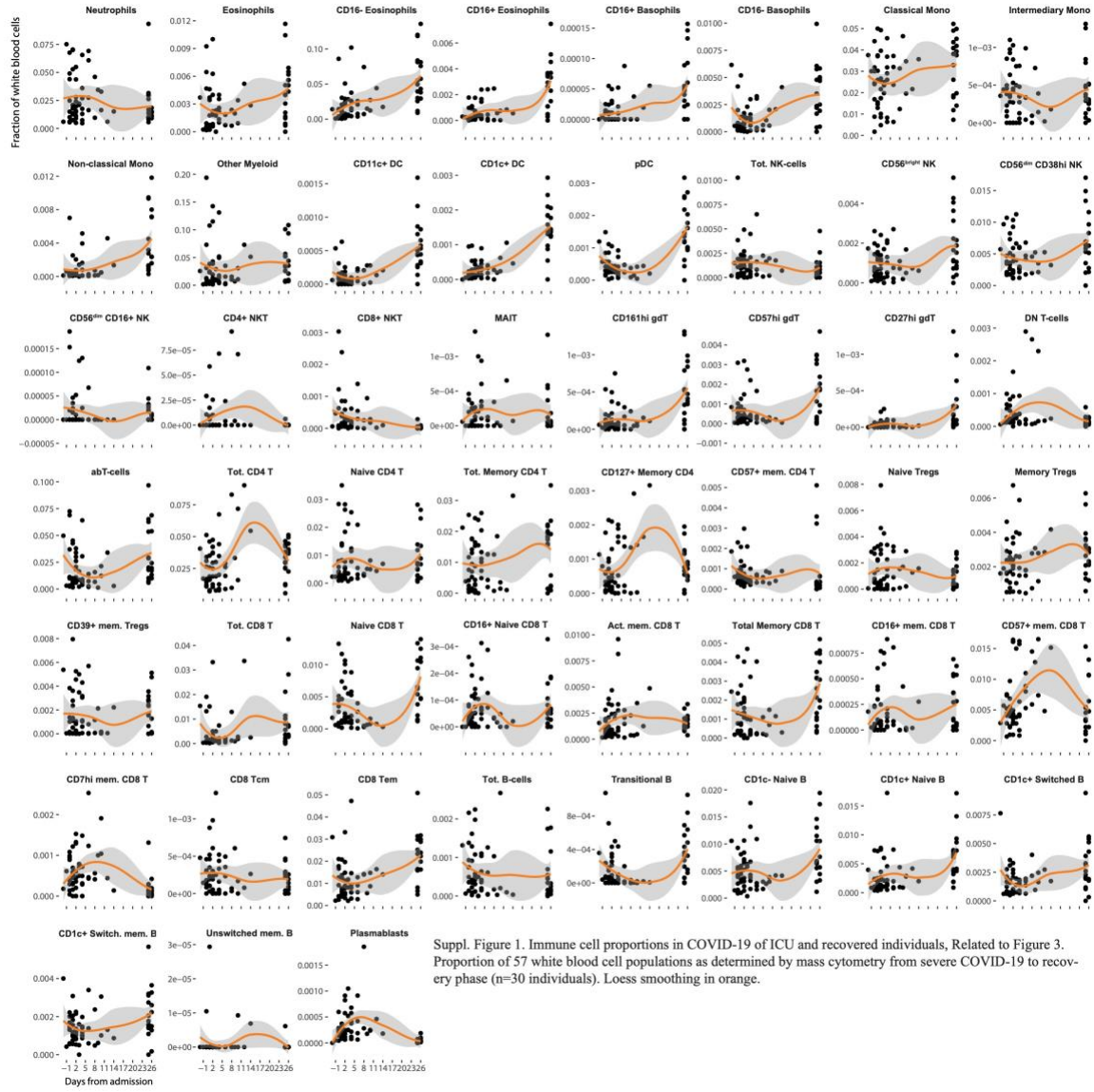
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## **Supplemental Information**

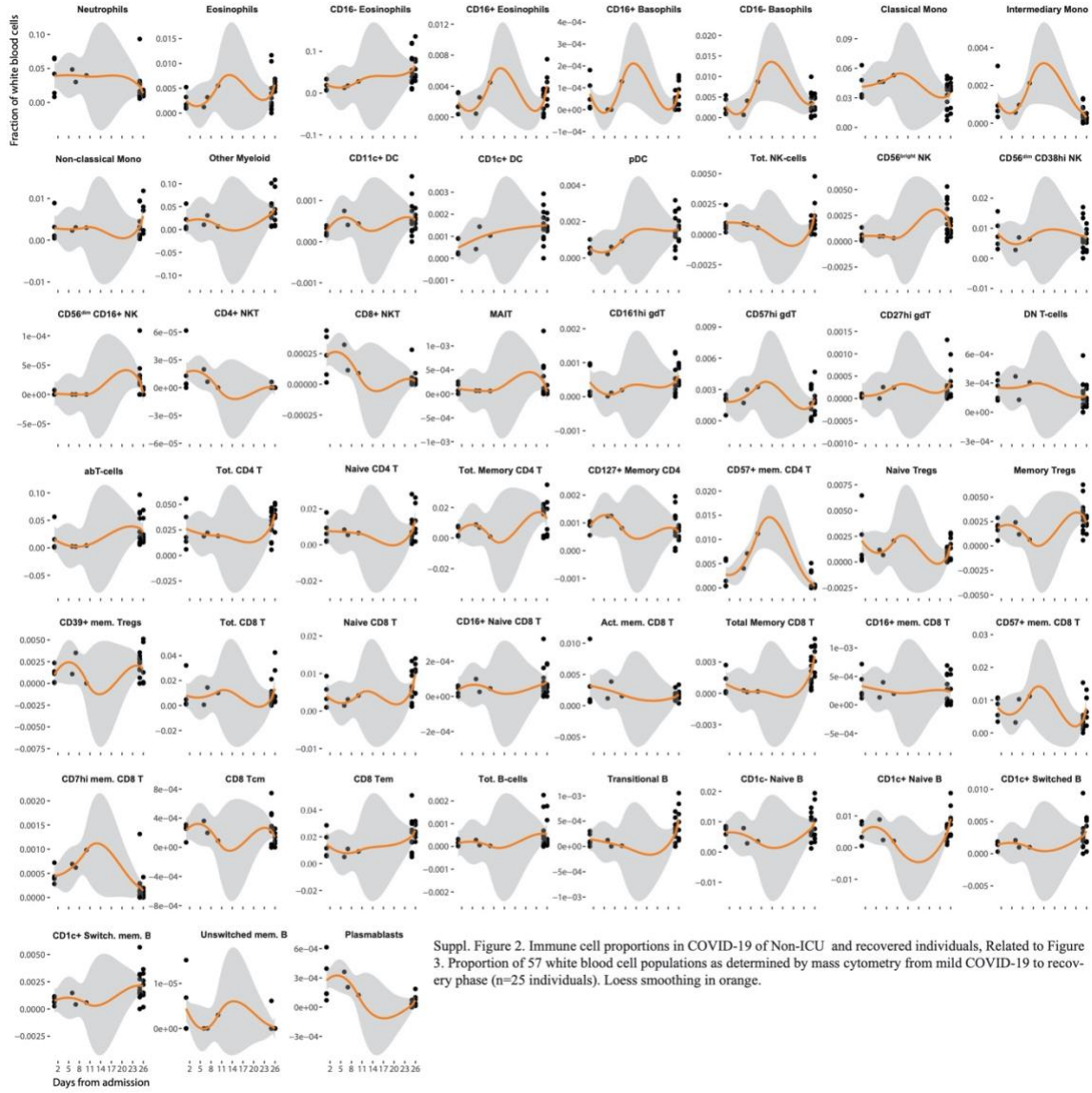
### **Systems-Level Immunomonitoring from Acute to Recovery Phase of Severe COVID-19**

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Suppl. Figure 1. Immune cell proportions in COVID-19 of ICU and recovered individuals, Related to Figure 3.



**Suppl. Figure 2. Immune cell proportions in COVID-19 of Non-ICU and recovered individuals, Related to Figure 3.**



**Suppl. Table 1. IgG data, Related to STAR Methods.**

<b>Sample ID</b>	<b>Subject ID</b>	<b>IFA (inf. cells)</b>	<b>old-RBD</b>	<b>VE6-RBD</b>
CoV-24, serum, t1	COV-24	320	0.138	0.064
CoV-24, heparin, t2	COV-24	2570	0.902	0.2025
CoV-25, serum, t1	COV-25	320	0.219	0.0795
CoV-25, EDTA, t2	COV-25	1280	0.533	0.118
CoV-26, serum, t1	COV-26	2560	0.458	0.1015
CoV-26, heparin, t2	COV-26	2570	0.866	0.163
CoV-27, serum, t1	COV-27	640	0.666	0.1415
CoV-27, heparin, t2	COV-27	1280	1.139	0.218
CoV-28, serum, t1	COV-28	640	0.385	0.1
CoV-29, serum, t1	COV-29	160	0.21	0.085
CoV-29, heparin, t2	COV-29	1280	0.923	0.1865
CoV-30, serum, t1	COV-30	1280	0.928	0.1895
CoV-30, serum, t2	COV-30	2570	1.063	0.215
CoV-31, serum, t1	COV-31	320	0.654	0.135
CoV-31, serum, t2	COV-31	640	0.926	0.185
CoV-32, serum, t1	COV-32	80	0.084	0.0645
CoV-32, heparin, t2	COV-32	1280	0.45	0.1035
CoV-33, serum, t1	COV-33	80	0.17	0.0685
CoV-33, heparin, t2	COV-33	640	0.559	0.112
CoV-34, EDTA, t1	COV-34	10	0.077	0.0625
CoV-34, EDTA, t2	COV-34	2560	1.138	0.267
CoV-34, EDTA, t3	COV-34	2560	1.035	0.237
CoV-35, serum, t1	COV-35	10	0.073	0.06
CoV-35, heparin, t2	COV-35	2560	0.672	0.141
CoV-36, serum, t1	COV-36	10	0.061	0.057
CoV-36, serum, t2	COV-36	640	0.485	0.117
CoV-37, serum, t1	COV-37	10	0.075	0.0615
CoV-37, heparin, t2	COV-37	80	0.086	0.063
CoV-39, serum, t1	COV-39	640	0.277	0.081
CoV-39, heparin, t2	COV-39	640	0.61	0.123
CoV-40, serum, t1	COV-40	1280	0.084	0.065
CoV-40, heparin, t2	COV-40	2570	0.909	0.2445
CoV-40, EDTA, t3	COV-40	2560	0.869	0.216
CoV-41, serum, t1	COV-41	320	0.081	0.0615

CoV-41, heparin, t2	COV-41	640	0.308	0.0985
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**Suppl. Table 2. Patient characteristics, Related to STAR Methods.**

<b>Subject ID</b>	<b>Age</b>	<b>Sex</b>	<b>ICU status</b>	<b>Acute (A) or Recovery (R)</b>	<b>Treatments/Conditions</b>
COV-3	35	M		R	
COV-4	54	F		R	
COV-5	56	F		R	
COV-7	34	M		R	
COV-8	50	F		R	
COV-9	59	F		R	
COV-10	57	M		R	
COV-11	56	F		R	
COV-13	61	F		R	
COV-14	28	F		R	
COV-15	32	F		R	
COV-16	33	M		R	
COV-17	35	F		R	
COV-18	45	F		R	
COV-19	46	M		R	
COV-20	52	M		R	
COV-21	34	M		R	
COV-22	40	M		R	
COV-23	32	F		R	
COV-24	53	F	ICU	A	
COV-25	40	M	Non-ICU	A	
COV-26	77	M	ICU	A	
COV-27	59	F	ICU	A	
COV-28	52	M	Non-ICU	A	
COV-29	58	F	ICU	A	
COV-30	64	F	Non-ICU	A	
COV-31	57	F	Non-ICU	A	
COV-32	65	F	Non-ICU	A	
COV-33	55	M	Non-ICU	A	
COV-34	63	M	ICU	A	CA/CPR/epinephrine
COV-35	50	M	ICU	A	
COV-36	61	F	Non-ICU	A	
COV-37	62	M	ICU	A	
COV-39	46	F	ICU	A	Lactating
COV-40	69	M	ICU	A	
COV-41	55	F	ICU	A	Prior Oxychlorin treatment
COV-43	66	F		R	