

## Supplemental Table 3. All COVID-19 Treatments by Cohort and Time Period

Prevalence of COVID-19 treatments among the Laboratory Positive Cohort and Clinical Cohort, used from hospital admission date to the earlier of death or hospital discharge, stratified by time period. All values are column percentages, with blue shading visualizing Laboratory Positive Cohort proportionality and red shading representing Clinical Cohort proportionality.

CHARACTERISTIC	Laboratory Positive Cohort				Clinical Cohort			
	All (N = 37637)	Jan-May (n = 12978)	June-Aug (n = 11446)	Sep-Nov (n = 13233)	All (N = 12893)	Jan-May (n = 7150)	June-Aug (n = 3768)	Sep-Nov (n = 2975)
<b>Antibiotics</b>								
Antibiotics	66.57	78.36	61.01	59.8	65.6	68.28	63.16	62.25
Amoxicillin	4	3.71	4.46	3.89	4.46	4.45	4.41	4.57
Augmentin	0.07	0.08	0.05	0.07	0.09	0.1	0.13	0.03
Azithromycin	41.47	55.75	34.41	33.56	36.8	43.64	29.38	29.78
Doxycycline	11.4	18.35	7.45	8.01	9.97	11.9	7.8	8.07
Tetracycline	0.01	0	0.01	0.02	0.03	0.06	0	0
Levofloxacin	4.71	3.93	4.38	5.76	5.76	5.89	5.28	6.05
Moxifloxacin	0.37	0.65	0.15	0.28	0.4	0.31	0.58	0.37
Clindamycin	0.74	0.59	0.88	0.77	1.53	1.38	2.1	1.38
Sulfamethoxazole-Trimethoprim	1.51	1.73	1.45	1.35	2.2	2.17	2.49	1.92
Metronidazole	3.66	3.56	3.82	3.61	5.54	5.51	5.68	5.41
Cephalexin	1.64	1.14	1.77	2.02	1.92	1.45	1.73	1.41
Ceftriaxone	45.06	54.65	41.49	38.74	45.21	46.21	35.08	35.66
Vancomycin	16.57	23.42	13.15	12.8	22.49	23.85	20.25	22.08
Other Antibiotics	10.65	11.32	10.06	10.5	17.99	15.39	20.22	17.71
<b>Anticoagulants</b>								
Anticoagulants	84.8	89.34	83.71	81.3	74.63	76.55	71.44	73.98
Defibrinolytic	0	0	0	0	0	0	0	0
Enoxaparin	65.12	65.45	67.13	63.06	52.07	53.03	50.11	52.34
Fondaparinux	0.2	0.22	0.23	0.16	0.21	0.22	0.13	0.27
Dalteparin	0	0	0	0	0	0	0	0
Bivalirudin	4.73	4.92	4.2	5	3.29	3.26	3.61	2.96
Apixaban	11.23	9.72	11.65	12.35	9.2	8.7	9	10.66
Edoxaban	0	0	0	0	0	0	0	0
Betrixaban	0	0	0	0	0	0	0	0
Warfarin	2.44	2.54	1.95	2.76	2.79	2.9	2.92	2.35
Heparin	28.06	39.1	22.39	22.11	28.96	31.3	26.06	27.03
Other Anticoagulants	0.86	1.4	0.67	0.51	1.23	1.45	0.88	1.01
<b>Antiplatelets</b>								
Antiplatelets	36.03	35.07	36.83	36.26	32.47	32.45	31.95	33.18
Aspirin	30.77	29.41	30.07	32.7	27.5	27.78	26.43	28.2
Low-dose (<= 81 Mg)	27.7	26.79	27.86	28.46	24.96	25.12	24.02	25.75
High-dose (> 81 Mg)	4.38	5.17	3.48	6.08	5.2	5.72	4.72	4.54
Ecosulfam	0	0	0.01	0	0	0	0	0
Atorvastatin	5.49	6.37	7.49	2.9	5.17	5.31	5.55	4.34
Rivaroxaban	0	0	0	0	0	0	0	0
Clopidogrel	5.7	5.49	5.38	6.18	5.67	5.41	5.44	6.59
Ticlopidine	0.03	0.01	0.04	0.05	0.04	0.04	0.03	0.03
Dipyridamol	0.08	0.08	0.1	0.06	0.14	0.15	0.08	0.17
Other Antiplatelets	1.03	0.83	1.09	1.18	1.07	1.02	0.96	1.31
<b>Antidiabetics</b>								
Antidiabetics	40.1	40.88	41.58	38.06	34.51	34.66	33.33	35.63
Insulin	39.22	40.11	40.78	37.01	33.89	34.29	32.51	34.66
Insulin Sensitizing Agents	5.66	5.73	6.11	5.2	3.85	3.76	4.09	3.76
Other Antidiabetics	4.32	3.58	4.87	4.57	2.93	2.81	3.26	2.79
<b>Antihyperlipidemics</b>								
Antihyperlipidemics	36.09	36.76	34.36	36.93	31.97	33.27	29.88	31.46
Simvastatin	3.93	4.51	3.01	4.17	3.14	3.31	2.47	3.56
Atorvastatin	26.5	26.59	26.54	26.38	23.85	25.09	22.45	22.82
Fluvastatin	0.01	0.02	0	0	0.01	0.01	0	0
Lovastatin	0.34	0.18	0.37	0.47	0.22	0.15	0.19	0.4
Pravastatin	0.02	0.01	0.02	0.03	0.02	0.01	0.03	0.03
Rosuvastatin	2.66	3.32	1.95	2.62	2.55	2.63	2.42	2.52
Pravastatin	2.63	2.35	2.52	2.99	2.99	2.92	2.18	2.32
Evolocumab	0.01	0.01	0	0.02	0.01	0	0	0.03
Other Antihyperlipidemics	3.31	2.74	3.53	3.7	2.65	2.22	2.87	3.39
<b>Antihypertensives</b>								
Antihypertensives	53.9	53.87	53.57	54.2	48.87	48.78	48.89	49.04
Angiotensin-Receptor Blockers	10.38	9.29	10.27	11.58	8.34	8	8.7	8.71
Angiotensin-Converting Enzyme Inhibitors	13.56	12.32	13.64	14.89	11.92	12.15	12.02	11.33
Beta-Blocker	32.25	32.76	31.03	32.81	31.97	31.55	32.09	32.81
Calcium Channel Blocker	24.93	26.07	24.54	24.15	22.7	23.78	23.07	22.81
Prazosin	0.29	0.23	0.32	0.32	0.35	0.34	0.5	0.2
Direct Renin Blocker	0.01	0.01	0.01	0.01	0	0	0	0
Other Antihypertensives	16.88	15.29	19.43	13.96	15.02	14.6	16.48	14.18
<b>Antiarrhythmics</b>								
Antiarrhythmics	4.91	6.23	3.92	4.48	6.61	6.9	6.05	6.62
Amlodipine	4.5	6.04	3.48	3.87	6.15	6.55	5.57	5.95
Other Antiarrhythmics	0.49	0.28	0.51	0.68	0.6	0.45	0.64	0.94
<b>Antivirals</b>								
Antivirals	28.29	9.05	30.17	45.53	13.39	7.68	12.69	28
<b>Antineoplastic and Antiparasitic</b>								
Antineoplastic and Antiparasitic	21.51	52.75	5.77	4.42	13.34	19.73	6.87	6.15
Hydroxychloroquine	18.38	50.82	1.36	0.67	7.87	14.99	0.85	0.61
Hydroxychloroquine With Zinc	5.64	15.74	0.54	0.14	1.91	3.59	0.19	0.07
Chloroquine	0.01	0.02	0	0	0.03	0.06	0	0
Chloroquine With Zinc	0	0	0	0	0	0	0	0
Mefloquine	0	0	0	0	0	0	0	0
Mefloquine With Zinc	0	0	0	0	0	0	0	0
Primaquine	0.01	0.01	0.02	0	0.04	0.06	0.03	0.03
Primaquine With Zinc	0.01	0.01	0.01	0	0	0	0	0
Levamisole	0	0	0	0	0	0	0	0
Ivermectin	0.32	0.16	0.74	0.11	0.06	0.03	0.13	0.03
Nitazoxanide	0.52	1.52	0	0	0.05	0.08	0.03	0
Atovaquone	0.09	0.18	0.05	0.04	0.27	0.39	0.13	0.17
<b>Bronchodilators</b>								
Bronchodilators	56.83	56.84	58.21	55.62	50.3	49.57	50.05	51.46
Formoterol	5.17	6.39	3.56	5.38	6.91	8.42	5.44	5.14
Montelukast	3.98	3.79	3.64	4.46	3.87	3.83	3.87	3.97
Other Bronchodilators	55.91	55.85	57.51	54.59	49.2	48.57	48.94	50.59
<b>Immunomodulators</b>								
Immunomodulators	1.07	1.25	0.95	1.01	1.27	1.31	1.22	1.21
Thalidomide	0	0	0	0	0	0	0	0
Tacrolimus	0.67	0.76	0.61	0.64	0.83	0.99	0.69	0.64
Cyclosporine	0.26	0.29	0.17	0.3	0.3	0.21	0.4	0.4
Emapalumab	0	0	0	0	0	0	0	0
Lenalidomide	0.03	0.05	0.04	0	0.03	0.01	0.03	0.07
Apremilast	0.02	0.05	0.02	0	0.01	0.01	0.03	0
Baricitinib	0.02	0	0.05	0.02	0.01	0.01	0	0
Sintolim	0.05	0.07	0.01	0.05	0.05	0.04	0.08	0.03
Other Immunomodulators	0.07	0.08	0.07	0.05	0.11	0.14	0.08	0.07
<b>Analgesics</b>								
Analgesics	86.25	92.96	85.28	80.5	77.78	79.02	77.71	74.89
Acetaminophen	80.02	89.37	77.72	72.82	71.52	74.08	70.78	66.29
<b>NSAIDs</b>								
NSAIDs	16.94	13.73	19.51	17.87	16.58	13.61	21.2	17.88
Ibuprofen	7.97	6.56	9.68	7.8	6.81	5.83	8.89	6.52
Naproxen	0.76	0.65	0.95	0.7	0.78	0.81	0.91	0.57
Indomethacin	0.23	0.23	0.25	0.22	0.25	0.2	0.21	0.44
Other Analgesics	0.78	0.67	0.77	0.89	0.64	0.5	0.88	0.67
<b>Steroids</b>								
Steroids	56.25	35.06	62.89	71.32	48.57	40.83	53.5	60.94
<b>Systemic Steroids</b>								
Systemic Steroids	53.92	31.34	61.32	69.77	45.83	37.64	51.06	58.89
Budesonide (Systemic)	0.44	0.05	0.85	0.45	0.15	0.11	0.24	0.13
Budesonide (Oral)	0.44	0.05	0.85	0.45	0.15	0.11	0.24	0.13
Budesonide (Rectal)	0	0	0	0	0	0	0	0
Hydrocortisone (Systemic)	4.35	5.81	3.45	3.67	5.3	5.02	5.55	5.68
Hydrocortisone (Oral)	0.59	0.48	0.82	0.51	0.66	0.64	0.72	0.61
Hydrocortisone (Rectal)	0.05	0.05	0.06	0.02	0.09	0.13	0.08	0
Hydrocortisone (Injection)	2.83	4.13	1.83	2.41	3.95	3.72	4.01	4.44
Methylprednisolone (Systemic)	16.02	20.29	12.43	14.94	18.94	21.99	15.68	15.26
Methylprednisolone (Injection)	13.4	18.96	9.22	11.54	16.71	20.28	13	12.84
Methylprednisolone (Oral)	3.38	1.74	3.78	4.65	2.61	2.04	3.11	3.36
Dexamethasone (Systemic)	37.51	4.91	50.57	58.24	20.81	5.87	11.23	43.53
Dexamethasone (Injection)	29.95	4.37	42.7	44.06	16.45	5.24	25.11	32.37
Dexamethasone (Oral)	15.85	0.65	16.88	28.64	6.01	0.78	7.67	16.47
Prednisone (Systemic)	12.52	12.21	10.67	14.84	17.82	21.76	14.04	13.14
Prednisone (Oral)	12.52	12.21	10.67	14.84	17.82	21.76	14.04	13.14
<b>Inhaled Steroids</b>								
Inhaled Steroids	7.8	6.7	7.6	9.38	8.19	8.1	8.09	8.54
Beclomethasone (Inhaled)	0.15	0.2	0.08	0.15	0.08	0.07	0.11	0.07
Budesonide (Inhaled)	2.3	1.43	2.89	2.84	3.04	2.81	3.08	3.53
Ciclesonide (Inhaled)	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.03
Fluticasone (Inhaled)	5.55	5.18	4.81	6.54	5.44	5.68		