

Supplemental Table 2. Baseline Medication Use Administered or Prescribed Within 30 Days Prior to Index Date, by Cohort and Time Period

Prevalence of medication usage within 30 days prior to index, among the Laboratory Positive Cohort and Clinical Cohort, 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 = 37617)	Jan-May (n = 12978)	June-Aug (n = 11416)	Sep-Nov (n = 13223)	All (N = 13893)	Jan-May (n = 7150)	June-Aug (n = 3768)	Sep-Nov (n = 2975)
Antiarrhythmics								
Antiarrhythmics	1.2	1.06	1.04	1.47	1.86	1.85	1.86	1.88
Anticoagulants								
Anticoagulants	10.9	9.8	10.29	12.81	13.47	12.83	13.88	14.52
Antihyperlipidemics								
Antihyperlipidemics	25.55	27.08	22.94	26.3	24.57	24.42	24.02	25.65
Antihypertensives								
Angiotensin-Receptor Blockers	9.18	9.35	8.86	9.29	8.08	7.52	8.63	8.71
Angiotensin-Converting Enzyme Inhibitors	12.48	12.88	11.62	12.85	11.78	11.79	12.02	11.13
Beta-Blocker	17.74	18.62	15.89	18.47	19.39	19.33	19.35	19.6
Calcium Channel Blockers	14.53	16.33	13.43	13.72	14.21	14.32	14.04	14.15
Prazosin	0.23	0.15	0.31	0.24	0.4	0.39	0.5	0.27
Direct Renin Blocker	0.01	0.01	0	0.01	0.01	0.01	0	0
Other Antihypertensives	4.34	4.76	4.28	3.95	4.94	4.85	4.64	5.51
Antiplatelets								
Antiplatelets	18.14	18.65	16.14	19.35	18.74	17.66	18.21	20.71
Eculizumab	0.01	0.01	0	0.02	0	0	0	0
Ategloase	0.28	0.22	0.38	0.27	0.42	0.32	0.66	0.37
Ravulizumab	0	0	0	0	0	0	0	0
Clopidogrel	3.47	3.53	3.04	3.8	3.85	3.37	4.01	4.81
Tirofiban	0	0	0	0	0.01	0	0	0.03
Dipyridamole	0.08	0.07	0.12	0.05	0.09	0.07	0.05	0.2
Aspirin								
Aspirin	16.33	16.82	14.35	17.56	16.81	16	17.06	18.45
Aspirin Low-Dose (<= 81 Mg)	14.91	15.59	13.32	15.79	15.28	14.63	15.34	16.77
Aspirin High-Dose (> 81 Mg)	1.14	1.56	1.52	2.11	2.16	2.07	2.34	2.15
Other Antiplatelets	0.6	0.52	0.52	0.74	0.58	0.63	0.48	0.61
Diuretics								
Diuretics	14.94	14.99	14.2	15.53	16.56	16.63	15.98	17.11
Cancer Therapies								
Cancer Therapies	2.97	3.1	2.64	3.14	3.92	3.9	3.77	4.15
Immunomodulators								
Immunomodulators	1.02	1.07	0.98	0.99	1.29	1.37	1.33	1.04
IL1 Inhibitors	0	0	0	0	0	0	0	0
IL6 Inhibitors	0.02	0.01	0.01	0.03	0.01	0.01	0	0.03
Other Immunomodulators	1	1.06	0.97	0.97	1.27	1.36	1.33	1.01
Hematopoietic Growth Factor								
Hematopoietic Growth Factor	0.63	0.87	0.49	0.51	0.86	0.97	0.72	0.81
Erythropoiesis-Stimulating Agents	0.5	0.72	0.39	0.39	0.7	0.83	0.48	0.67
Other Hematopoietic Growth Factors	0.14	0.17	0.11	0.14	0.18	0.17	0.24	0.13
Myelosuppressive Chemotherapy								
Myelosuppressive Chemotherapy	1.11	0.95	1.01	1.37	1.53	1.38	1.65	1.75
High Or Intermediate Myelosuppressive Potential	0.93	0.76	0.88	1.13	1.27	1.1	1.46	1.41
Other Myelosuppressive Chemotherapies	0.25	0.24	0.14	0.36	0.32	0.34	0.27	0.37
Other Antineoplastics	0.53	0.52	0.42	0.64	0.77	0.8	0.66	0.84
Antidiabetics								
Antidiabetics	19.36	19.78	18.94	19.32	17.8	17.52	17.68	18.62
Insulin	9.46	9.13	9.68	9.63	9.8	10.03	9.13	10.08
Insulin Sensitizing Agents	10.78	11.54	10.09	10.63	8.57	8.1	9	9.14
Other Antidiabetics	7.93	7.91	7.56	8.27	6.73	6.28	7.27	7.13
Systemic Steroids								
Systemic Steroids	10.92	7.41	10.45	14.77	11.74	9.92	12	15.8
Budesonide (Systemic)								
Budesonide (Systemic)	0.06	0.03	0.07	0.09	0.07	0.08	0.08	0.03
Budesonide (Oral)	0.06	0.03	0.07	0.09	0.07	0.08	0.08	0.03
Budesonide (Rectal)	0	0	0	0	0	0	0	0
Hydrocortisone (Systemic)								
Hydrocortisone (Systemic)	1.33	1.49	1.15	1.33	1.38	1.22	1.49	1.65
Hydrocortisone (Oral)	0.14	0.12	0.13	0.15	0.18	0.17	0.11	0.3
Hydrocortisone (Rectal)	0.01	0.03	0.01	0	0.04	0.04	0.05	0
Hydrocortisone (Injection)	0.28	0.33	0.23	0.29	0.42	0.41	0.42	0.44
Methylprednisolone (Systemic)								
Methylprednisolone (Systemic)	1.8	1.37	1.8	2.22	2.39	2.45	2.1	2.62
Methylprednisolone (Injection)	0.92	0.7	0.86	1.18	1.46	1.65	1.06	1.51
Methylprednisolone (Oral)	0.94	0.71	1.02	1.1	0.99	0.84	1.11	1.21
Dexamethasone (Systemic)								
Dexamethasone (Systemic)	4.22	1.33	4.16	7.12	3.4	1.78	3.77	6.82
Dexamethasone (Injection)	1.14	0.87	1.24	1.32	1.3	1.16	1.27	1.65
Dexamethasone (Oral)	3.14	0.5	3	5.84	2.14	0.63	2.47	5.34
Prednisone (Systemic)								
Prednisone (Systemic)	4.74	3.98	4.42	5.76	6.23	6.24	6.08	6.42
Prednisone (Oral)	4.74	3.98	4.42	5.76	6.23	6.24	6.08	6.42
Other Systemic Steroids	0.45	0.37	0.45	0.54	0.45	0.34	0.45	0.71
Inhaled Steroids								
Inhaled Steroids	5.99	6.22	5.05	6.58	6.69	6.94	6.32	6.59
Beclomethasone (Inhaled)	0.25	0.25	0.22	0.27	0.27	0.32	0.24	0.2
Budesonide (Inhaled)	0.68	0.63	0.6	0.79	1	1.06	0.85	1.04
Ciclesonide (Inhaled)	0.07	0.11	0.03	0.08	0.18	0.21	0.11	0.2
Fluticasone (Inhaled)	5	5.24	4.15	5.5	5.48	5.59	5.25	5.48
Mometasone (Inhaled)	0.23	0.22	0.21	0.25	0.22	0.27	0.24	0.1
Other Steroids	5.17	5.39	4.37	5.63	5.38	5.52	5.04	5.45
Other Steroids (Ophthalmic)	0.44	0.44	0.34	0.53	0.41	0.46	0.42	0.27
Other Steroids (Nasal)	4.79	5.04	4.05	5.17	5.05	5.17	4.67	5.21
Bronchodilators								
Bronchodilators	16.66	16.62	15.95	18.98	20.35	19.86	20.22	21.68
Formoterol	2.23	2.22	1.86	2.55	3.27	3.43	3.24	2.92
Montelukast	2.84	2.69	2.61	3.18	3.25	2.97	3.34	3.83
Other Bronchodilators	15.28	15.58	13.74	16.33	19.11	18.85	18.71	20.24
DMARDs								
DMARDs	1.69	1.59	1.59	1.88	2.08	2.14	1.94	2.12
Cyclophosphamide	0.04	0.05	0.02	0.05	0.1	0.14	0.03	0.1
Leflunomide	0.12	0.07	0.12	0.17	0.12	0.13	0.13	0.1
Methotrexate	0.47	0.38	0.48	0.55	0.6	0.5	0.74	0.67
Mycophenolate	0.49	0.52	0.49	0.47	0.68	0.84	0.4	0.64
Sulfasalazine	0.12	0.11	0.09	0.16	0.11	0.1	0.16	0.07
Abatacept	0.01	0.02	0	0.01	0.01	0	0	0.03
Rituximab	0.08	0.09	0.04	0.11	0.12	0.08	0.19	0.13
Tocilizumab	0.01	0	0.01	0.03	0.01	0.01	0	0.03
Adalimumab	0.03	0.11	0.09	0.08	0.14	0.15	0.13	0.1
Anakinra	0	0	0	0	0	0	0	0
Apremilast	0.03	0.04	0.04	0.03	0.03	0.01	0.03	0.07
Certalizumab Pegol	0.02	0.01	0.01	0.03	0.05	0.04	0.08	0.03
Etanercept	0.04	0.03	0.07	0.02	0.06	0.06	0.08	0.07
Golimumab	0.01	0.02	0	0.01	0.01	0	0.03	0
Infliximab	0.05	0.02	0.04	0.08	0.06	0.06	0.05	0.07
Azathioprine	0.14	0.08	0.16	0.17	0.14	0.1	0.16	0.24
Tofacitinib	0.05	0.05	0.04	0.05	0.04	0.04	0.05	0
Upadacitinib	0.02	0.01	0	0.04	0	0	0	0
Canakinumab	0	0	0	0	0	0	0	0
Rilonacept	0	0	0	0	0	0	0	0
Sarilumab	0	0.01	0	0	0	0	0	0
Siltuximab	0	0	0	0	0	0	0	0
Other DMARDs	0.26	0.24	0.24	0.29	0.22	0.21	0.19	0.27
Antivirals								
Antivirals	1.55	2.31	1.16	1.15	1.77	2.29	1.35	1.04
HIV Antivirals	0.37	0.55	0.39	0.2	0.48	0.66	0.37	0.17
Influenza Antivirals	0.5	1.12	0.15	0.18	0.53	0.84	0.27	0.13
Other Antivirals	0.71	0.7	0.64	0.79	0.86	0.95	0.8	0.74
Analgesics								
Analgesics	26.39	27.07	24.79	27.1	30.47	28.99	32.25	31.76
Acetaminophen	18.44	19.84	17.06	18.25	21.62	21.41	21.82	23.88
NSAIDs								
NSAIDs	8.41	7.98	8.51	8.78	9.37	8.49	10.32	10.29
Ibuprofen	3.75	3.93	3.63	3.68	4.43	3.93	5.12	4.77
Naproxen	1.41	1.36	1.46	1.41	1.48	1.51	1.46	1.41
Indomethacin	0.02	0.17	0.23	0.22	0.19	0.25	0.08	0.2
Other NSAIDs	3.83	3.21	4	4.3	4.35	3.87	4.75	4.97
Opioids	12	10.48	11.84	13.83	15.97	14.11	17.91	17.98
Other Analgesics	0.72	0.63	0.6	0.89	0.71	0.55	1.06	0.67
Antipsychotics								
Antipsychotics	5.42	5.76	5.04	5.41	6.4	6.67	6.79	7.13
Bone Density Regulators								
Bone Density Regulators	1.17	0.97	0.97	1.53	1.19	1.05	1.27	1.4