

## Appendix D:

### Symptom frequency by primary diagnosis

Symptoms	JIA (%)	Other rheumatology diagnosis (%)	Airways disease (%)	Immunodeficiency disorder (%)	Diabetes (%)	Solid organ or bone marrow transplant (%)	Nephrotic syndrome (%)	Other kidney disease (%)	IBD (%)	Other gastroenterology and hepatology (%)	Malignant haematology & oncology (%)	Neurology (%)	Other (%)
Fever	1.63	0.81	0.24	0.73	0.16	0.41	0.08	0.08	0.00	0.08	0.57	0.24	0.33
Cough	4.80	1.54	1.63	1.54	0.24	1.46	0.57	0.16	0.08	0.00	0.89	0.16	0.65
SOB	1.63	0.89	0.65	0.65	0.08	0.08	0.16	0.08	0.16	0.00	0.16	0.08	0.81
Sore throat	6.02	2.28	0.98	0.98	0.16	0.41	0.24	0.24	0.49	0.33	0.89	0.33	0.89
Blocked nose	7.48	2.60	1.79	1.30	0.49	1.30	0.65	0.41	0.73	0.08	0.57	0.24	1.22
Red eyes	4.07	2.11	0.57	1.14	0.49	0.41	0.49	0.08	0.33	0.08	0.57	0.16	0.57
Headache	11.30	4.96	1.30	2.20	0.98	1.54	0.65	0.33	0.98	0.49	1.87	0.73	1.63
Vomiting	3.66	0.89	0.33	0.65	0.08	0.89	0.24	0.24	0.00	0.16	1.14	0.08	0.98
Diarrhoea	4.23	1.63	0.57	1.46	0.49	0.81	0.33	0.33	0.81	0.16	0.73	0.24	0.73
Joint pain	19.84	3.98	0.24	1.22	0.16	1.30	0.65	0.24	0.81	0.08	1.87	0.41	1.06
Muscle pain	8.46	3.33	0.57	1.22	0.33	1.06	0.65	0.24	0.49	0.16	1.38	0.33	0.81
Fatigue	13.98	4.07	1.30	2.60	0.49	1.30	0.89	0.57	1.30	0.49	3.25	0.89	1.30
Chills	2.11	1.06	0.08	0.49	0.08	0.41	0.08	0.08	0.24	0.16	0.33	0.33	0.24

Abbreviations: SOB shortness of breath, JIA juvenile idiopathic arthritis, IBD inflammatory bowel disease

## Symptom frequency by medication

Symptoms	Methotrexate (%)	Hydroxychloroquine (%)	Other DMARDs (%)	Corticosteroids (%)	Anti-TNF therapy (%)	Tocilizumab (%)	Other biologic drugs (%)	MMF (%)
Fever	4.92	9.09	0.92	5.62	4.62	4.08	11.11	5.34
Cough	12.44	14.55	9.17	14.06	15.84	4.08	8.33	15.27
SOB	3.11	3.64	1.83	6.02	4.29	8.16	5.56	4.58
Sore throat	16.06	21.82	18.35	11.24	18.15	18.37	8.33	10.69
Blocked nose	19.69	25.45	13.76	13.65	23.76	14.29	19.44	17.56
Red eyes	12.69	10.91	8.26	10.44	11.55	14.29	13.89	6.11
Headache	29.27	45.45	29.36	28.11	30.69	28.57	27.78	25.19
Vomiting	12.18	9.09	4.59	12.05	8.25	12.24	8.33	7.63
Diarrhoea	9.84	10.91	11.93	11.65	11.88	20.41	8.33	12.98
Joint pain	43.78	43.64	33.03	26.91	46.20	69.39	36.11	22.14
Muscle pain	20.98	41.82	22.02	24.50	21.45	30.61	25.00	19.08
Fatigue	39.12	43.64	29.36	34.14	34.65	40.82	38.89	24.43
Chills	5.44	12.73	5.50	7.23	6.93	6.12	5.56	6.87
Nausea	31.09	27.27	15.60	20.88	25.41	26.53	16.67	15.27
Loss of smell	0.52	1.82	0.00	0.80	0.33	0.00	0.00	1.53

Abbreviations: DMARDs disease modifying anti-rheumatic drugs, MMF mycophenolate mofetil

Symptoms	Chemotherapy (%)	Azathioprine (%)	Other antibiotics and antivirals (%)	Tacrolimus (%)	Inhalers (%)	Insulin (%)	NSAIDs (%)	IV or SC IG (%)
Fever	10.29	7.35	7.14	3.80	8.14	3.66	9.72	2.63
Cough	14.71	25.00	18.45	15.19	31.40	8.54	15.28	13.16
SOB	5.88	8.82	5.95	3.16	16.28	3.66	8.33	7.89
Sore throat	8.82	13.24	10.71	6.96	18.60	7.32	13.89	0.00
Blocked nose	10.29	16.18	13.69	14.56	36.05	9.76	25.00	10.53
Red eyes	10.29	8.82	9.52	5.70	15.12	9.76	16.67	5.26
Headache	27.94	32.35	20.83	18.35	32.56	25.61	44.44	15.79
Vomiting	22.06	10.29	14.29	8.86	12.79	7.32	9.72	5.26
Diarrhoea	14.71	10.29	13.10	10.13	12.79	10.98	12.50	5.26
Joint pain	29.41	14.71	20.24	17.09	18.60	8.54	61.11	18.42
Muscle pain	23.53	11.76	17.26	14.56	19.77	7.32	31.94	7.89
Fatigue	47.06	30.88	30.36	18.35	30.23	17.07	54.17	18.42
Chills	7.35	2.94	4.17	3.80	6.98	1.22	11.11	0.00
Nausea	30.88	19.12	17.86	12.66	20.93	10.98	27.78	10.53
Loss of smell	0.00	0.00	0.00	1.27	1.16	0.00	4.17	0.00

Abbreviations: NSAIDs non-steroid anti-inflammatory drugs, IV intravenous, SC subcutaneous, IG immunoglobulin