

Supplementary Table 1: Cost of medications by primary diagnosis per month in INR and USD

	Primary diagnosis (monthly cost)									
	Allergic rhinitis (INR)	Allergic rhinitis (USD)	Asthma (INR)	Asthma (USD)	COPD (INR)	COPD (USD)	Rhinosinusitis (INR)	Rhinosinusitis (USD)	Total (INR)	Total (USD)
Antibiotic										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	10,192	167	17,888	293	9776	160	1664	27	39,519	648
Mean cost per patient (SD)	34 (77)	1 (1)	42 (84)	1 (1)	42 (84)	1 (1)	37 (80)	1 (1)	40 (82)	1 (1)
Median cost per patient (min, max)	0 (0, 208)	0 (0, 3)	0 (0, 208)	0 (0, 3)	0 (0, 208)	0 (0, 3)	0 (0, 208)	0 (0, 3)	0 (0, 208)	0 (0, 3)
Antitussive										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	1546	25	5667	93	5152	84	0	0	12,365	203
Mean cost per patient (SD)	5 (51)	0 (1)	13 (82)	0 (1)	22 (105)	0 (2)	0 (0)	0 (0)	12 (79)	0 (1)
Median cost per patient (min, max)	0 (0, 515)	0 (0, 8)	0 (0, 515)	0 (0, 8)	0 (0, 515)	0 (0, 8)	0 (0, 0)	0 (0, 0)	0 (0, 515)	0 (0, 8)
Mucolytic										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	52,864	866	198,240	3248	383,264	6280	13,216	217	647,584	10,611
Mean cost per patient (SD)	177 (1521)	3 (25)	468 (2444)	8 (40)	1652 (4380)	27 (72)	294 (1970)	5 (32)	648 (2854)	11 (47)
Median cost per patient (min, max)	0 (0, 13,216)	0 (0, 217)	0 (0, 13,216)	0 (0, 217)	0 (0, 13,216)	0 (0, 217)	0 (0, 13,216)	0 (0, 217)	0 (0, 13,216)	0 (0, 217)
Saline (irrigation or spray)										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	272	4	0	0	0	0	272	4
Mean cost per patient (SD)	0 (0)	0 (0)	1 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (9)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 272)	0 (0, 4)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 272)	0 (0, 4)
Painkiller										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	252	4	84	1	336	6	336	6	1008	17
Mean cost per patient (SD)	1 (8)	0 (0)	0 (4)	0 (0)	1 (11)	0 (0)	7 (24)	0 (0)	1 (9)	0 (0)
Median cost per patient (min, max)	0 (0, 84)	0 (0, 1)	0 (0, 84)	0 (0, 1)	0 (0, 84)	0 (0, 1)	0 (0, 84)	0 (0, 1)	0 (0, 84)	0 (0, 1)
Oral antihistamine										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	3094	51	2022	33	627	10	445	7	6188	101
Mean cost per patient (SD)	10 (10)	0 (0)	5 (9)	0 (0)	3 (7)	0 (0)	10 (10)	0 (0)	6 (9)	0 (0)
Median cost per patient (min, max)	20 (0, 20)	0 (0, 0)	0 (0, 20)	0 (0, 0)	0 (0, 20)	0 (0, 0)	0 (0, 20)	0 (0, 0)	0 (0, 20)	0 (0, 0)
Oral corticosteroid										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	306	5	2100	34	1540	25	0	0	3946	65
Mean cost per patient (SD)	1 (8)	0 (0)	5 (26)	0 (0)	7 (30)	0 (0)	0 (0)	0 (0)	4 (23)	0 (0)
Median cost per patient (min, max)	0 (0, 61)	0 (0, 1)	0 (0, 140)	0 (0, 2)	0 (0, 140)	0 (0, 2)	0 (0, 0)	0 (0, 0)	0 (0, 140)	0 (0, 2)
Oral decongestant										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	1804	30	395	6	56	1	733	12	2987	49
Mean cost per patient (SD)	6 (17)	0 (0)	1 (7)	0 (0)	0 (4)	0 (0)	16 (26)	0 (0)	3 (13)	0 (0)
Median cost per patient (min, max)	0 (0, 56)	0 (0, 1)	0 (0, 56)	0 (0, 1)	0 (0, 56)	0 (0, 1)	0 (0, 56)	0 (0, 1)	0 (0, 56)	0 (0, 1)

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Supplementary Table 1: Contd...

	Primary diagnosis (monthly cost)									
	Allergic rhinitis (INR)	Allergic rhinitis (USD)	Asthma (INR)	Asthma (USD)	COPD (INR)	COPD (USD)	Rhinosinusitis (INR)	Rhinosinusitis (USD)	Total (INR)	Total (USD)
Oral beta agonist										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	134	2	2150	35	2083	34	0	0	4368	72
Mean cost per patient (SD)	0(5)	0(0)	5(18)	0(0)	9(23)	0(0)	0(0)	0(0)	4(17)	0(0)
Median cost per patient (min, max)	0(0, 67)	0(0, 1)	0(0, 67)	0(0, 1)	0(0, 67)	0(0, 1)	0(0, 0)	0(0, 0)	0(0, 67)	0(0, 1)
LTRA										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	96,600	1583	105,800	1734	59,800	980	20,700	339	282,900	4636
Mean cost per patient (SD)	323(801)	5(13)	250(716)	4(12)	258(727)	4(12)	460(930)	8(15)	283(756)	5(12)
Median cost per patient (min, max)	0(0, 2300)	0(0, 38)	0(0, 2300)	0(0, 38)	0(0, 2300)	0(0, 38)	0(0, 2300)	0(0, 38)	0(0, 2300)	0(0, 38)
Intranasal antihistamine										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	207	3	1658	27	622	10	0	0	2486	41
Mean cost per patient (SD)	1(12)	0(0)	4(28)	0(0)	3(23)	0(0)	0(0)	0(0)	2(23)	0(0)
Median cost per patient (min, max)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)	0(0, 0)	0(0, 0)	0(0, 207)	0(0, 3)
Intranasal decongestant										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	32	1	21	0	11	0	0	0	63	1
Mean cost per patient (SD)	0(1)	0(0)	0(1)	0(0)	0(1)	0(0)	0(0)	0(0)	0(1)	0(0)
Median cost per patient (min, max)	0(0, 11)	0(0, 0)	0(0, 11)	0(0, 0)	0(0, 11)	0(0, 0)	0(0, 0)	0(0, 0)	0(0, 11)	0(0, 0)
Steroidal nasal spray										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	12,846	211	12,846	211	2694	44	207	3	28,594	469
Mean cost per patient (SD)	43(84)	1(1)	30(73)	0(1)	12(48)	0(1)	5(31)	0(1)	29(71)	0(1)
Median cost per patient (min, max)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)	0(0, 207)	0(0, 3)
Intravenous corticosteroid										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	0	0	7280	119	0	0	7280	119
Mean cost per patient (SD)	0(0)	0(0)	0(0)	0(0)	31(337)	1(6)	0(0)	0(0)	7(163)	0(3)
Median cost per patient (min, max)	0(0, 0)	0(0, 0)	0(0, 0)	0(0, 0)	0(0, 3640)	0(0, 60)	0(0, 0)	0(0, 0)	0(0, 3640)	0(0, 60)
ICS										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	4468	73	11,373	186	7718	126	0	0	23,559	386
Mean cost per patient (SD)	15(53)	0(1)	27(69)	0(1)	33(75)	1(1)	0(0)	0(0)	24(65)	0(1)
Median cost per patient (min, max)	0(0, 203)	0(0, 3)	0(0, 203)	0(0, 3)	0(0, 203)	0(0, 3)	0(0, 0)	0(0, 0)	0(0, 203)	0(0, 3)
Inhaled anticholinergic										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	480	8	2559	42	3998	66	0	0	7037	115
Mean cost per patient (SD)	2(16)	0(0)	6(31)	0(0)	17(50)	0(1)	0(0)	0(0)	7(33)	0(1)
Median cost per patient (min, max)	0(0, 160)	0(0, 3)	0(0, 160)	0(0, 3)	0(0, 160)	0(0, 3)	0(0, 0)	0(0, 0)	0(0, 160)	0(0, 3)

Contd...

Supplementary Table 1: Contd...

	Primary diagnosis (monthly cost)									
	Allergic rhinitis (INR)	Allergic rhinitis (USD)	Asthma (INR)	Asthma (USD)	COPD (INR)	COPD (USD)	Rhinosinusitis (INR)	Rhinosinusitis (USD)	Total (INR)	Total (USD)
Inhaled SABA										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	1725	28	3826	63	1599	26	0	0	7150	117
Mean cost per patient (SD)	6 (12)	0 (0)	9 (14)	0 (0)	7 (13)	0 (0)	0 (0)	0 (0)	7 (13)	0 (0)
Median cost per patient (min, max)	0 (0, 31)	0 (0, 1)	0 (0, 31)	0 (0, 1)	0 (0, 31)	0 (0, 1)	0 (0, 0)	0 (0, 0)	0 (0, 31)	0 (0, 1)
Inhaled LABA										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	6354	104	12,432	204	4558	75	0	0	23,345	383
Mean cost per patient (SD)	21 (50)	0 (1)	29 (57)	0 (1)	20 (48)	0 (1)	0 (0)	0 (0)	23 (52)	0 (1)
Median cost per patient (min, max)	0 (0, 138)	0 (0, 2)	0 (0, 138)	0 (0, 2)	0 (0, 138)	0 (0, 2)	0 (0, 0)	0 (0, 0)	0 (0, 138)	0 (0, 2)
Fixed dose combination inhaler (ICS+LABA)										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	3241	53	21,281	349	14,234	233	0	0	38,757	635
Mean cost per patient (SD)	11 (38)	0 (1)	50 (68)	1 (1)	61 (70)	1 (1)	0 (0)	0 (0)	39 (63)	1 (1)
Median cost per patient (min, max)	0 (0, 141)	0 (0, 2)	0 (0, 141)	0 (0, 2)	0 (0, 141)	0 (0, 2)	0 (0, 0)	0 (0, 0)	0 (0, 141)	0 (0, 2)
Other combination inhaler										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	261	4	3914	64	5219	86	0	0	9395	154
Mean cost per patient (SD)	1 (15)	0 (0)	9 (48)	0 (1)	22 (73)	0 (1)	0 (0)	0 (0)	9 (49)	0 (1)
Median cost per patient (min, max)	0 (0, 261)	0 (0, 4)	0 (0, 261)	0 (0, 4)	0 (0, 261)	0 (0, 4)	0 (0, 0)	0 (0, 0)	0 (0, 261)	0 (0, 4)
Nebulized bronchodilator										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	21	0	62	1	62	1	4	0	148	2
Mean cost per patient (SD)	0 (1)	0 (0)	0 (1)	0 (0)	0 (1)	0 (0)	0 (1)	0 (0)	0 (1)	0 (0)
Median cost per patient (min, max)	0 (0, 4)	0 (0, 0)	0 (0, 4)	0 (0, 0)	0 (0, 4)	0 (0, 0)	0 (0, 4)	0 (0, 0)	0 (0, 4)	0 (0, 0)
Nebulized steroid										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	616	10	1078	18	0	0	1694	28
Mean cost per patient (SD)	0 (0)	0 (0)	1 (15)	0 (0)	5 (26)	0 (0)	0 (0)	0 (0)	2 (16)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 154)	0 (0, 3)	0 (0, 154)	0 (0, 3)	0 (0, 0)	0 (0, 0)	0 (0, 154)	0 (0, 3)
Methylxanthine										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	616	10	1078	18	0	0	1694	28
Mean cost per patient (SD)	0 (0)	0 (0)	1 (15)	0 (0)	5 (26)	0 (0)	0 (0)	0 (0)	2 (16)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 154)	0 (0, 3)	0 (0, 154)	0 (0, 3)	0 (0, 0)	0 (0, 0)	0 (0, 154)	0 (0, 3)
Methylxanthine										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	504	8	9198	151	9954	163	126	2	19,782	324
Mean cost per patient (SD)	2 (14)	0 (0)	22 (48)	0 (1)	43 (60)	1 (1)	3 (19)	0 (0)	20 (46)	0 (1)
Median cost per patient (min, max)	0 (0, 126)	0 (0, 2)	0 (0, 126)	0 (0, 2)	0 (0, 126)	0 (0, 2)	0 (0, 126)	0 (0, 2)	0 (0, 126)	0 (0, 2)
Intravenous IgE antibody (e.g., Xolair)										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	0	0	0	0	0	0	0	0

Contd...

Supplementary Table 1: Contd...

	Primary diagnosis (monthly cost)									
	Allergic rhinitis (INR)	Allergic rhinitis (USD)	Asthma (INR)	Asthma (USD)	COPD (INR)	COPD (USD)	Rhinosinusitis (INR)	Rhinosinusitis (USD)	Total (INR)	Total (USD)
Mean cost per patient (SD)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)
Immunotherapy										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	0	0	0	0	0	0	0	0	0	0
Mean cost per patient (SD)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)
Alternative/traditional medicine										
Nmiss	68	68	13	13	3	3	13	13	97	97
n	231	231	411	411	229	229	32	32	903	903
Total cost	0	0	0	0	0	0	0	0	0	0
Mean cost per patient (SD)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)
Other										
Nmiss	43	43	57	57	43	43	9	9	152	152
n	256	256	367	367	189	189	36	36	848	848
Total cost	0	0	0	0	0	0	0	0	0	0
Mean cost per patient (SD)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Median cost per patient (min, max)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)	0 (0, 0)
Total medication cost ^a										
Nmiss	0	0	0	0	0	0	0	0	0	0
n	299	299	424	424	232	232	45	45	1000	1000
Total cost	196,930	3227	414,404	6790	521,661	8548	37,431	613	1,170,426	19,179
Mean cost per patient (SD)	659 (1780)	11 (29)	977 (2696)	16 (44)	2249 (4647)	37 (76)	832 (2447)	14 (40)	1170 (3106)	19 (51)
Median cost per patient (min, max)	77 (0, 15,516)	1 (0, 254)	207 (0, 16,146)	3 (0, 265)	339 (0, 20,209)	6 (0, 331)	77 (0, 15,744)	1 (0, 258)	198 (0, 20,209)	3 (0, 331)

^aTotal medication cost for a patient is the sum of all nonmissing amounts. COPD: Chronic obstructive pulmonary condition, Min: Minimum, Max: Maximum, SD: Standard deviation, LABA: Long acting beta agonist, SABA: Short acting beta agonist, ICS: Inhaled corticosteroid, LTRA: Leukotriene receptor antagonist