

Multimedia Appendix 1: Number of tweets containing symptom words for each festival

The table below is a count of the number of tweets which contained a symptom word or its synonyms in each of the festivals analyzed. Only symptoms which had a total of 10 or more appearances are listed.

Symptom	Festival									
	Wakestock	Wireless	Tinthepark	VFestival	Bestival	Creamfields	Hajj	Isleofwightfest	Download	Rockness
Agoraphobia	0	5	8	7	11	7	5	0	0	0
Alexia	0	36	20	17	76	12	12	1	0	2
Alopecia	1	17	22	23	14	28	5	0	0	0
Amnesia	1449	64	64	471	509	3226	63	3	3	13
Anorexia	59	105	107	201	392	336	100	3	2	14
Anxiety	67	98	111	475	441	391	118	5	7	11
Apnea	0	69	69	462	8560	874	89	0	6	7
Arachnophobia	2	12	26	55	17	36	8	0	0	0
Arrhythmia	0	0	1	1	2	1	7	0	0	0
Ataxia	0	0	4	0	10	2	4	0	0	0
Back ache	4	7	9	14	9	13	28	0	0	0
Belching	90	73	86	360	296	354	79	3	2	10
Bleeding	268	68	74	1194	812	1245	98	10	35	25
Blindness	558	66	70	4558	3119	3292	83	25	26	80
Blister	175	64	65	770	311	621	63	2	10	24
Bloating	39	64	60	143	96	256	62	0	2	5
Bruise	465	71	67	1710	805	1357	74	15	10	25
Childbirth	303	109	108	1355	1925	2573	113	26	21	39
Chorea	0	0	0	1	2	4	4	0	0	0
Claustrophobia	12	50	53	129	32	51	48	1	0	1

Constipation	27	58	63	165	84	144	65	2	1	1
Convulsion	0	13	29	89	14	8	45	0	1	0
Cough	665	75	79	3122	1526	2357	78	12	24	51
Cramp	227	65	64	696	451	835	65	5	4	13
Deformity	37	60	58	117	99	200	61	0	1	0
Depression	2739	74	67	8586	4696	11244	71	58	67	144
Diarrhea	37	92	111	110	103	159	109	0	1	6
Dizziness	308	78	72	436	296	678	88	4	12	12
Dyspepsia	11	28	35	28	31	33	47	0	0	0
Edema	0	4	2	1	0	12	9	0	0	0
Epistaxis	24	46	60	89	46	80	34	0	0	3
Euphoria	31	61	66	185	315	342	70	3	3	8
Fever	364	65	64	569	933	1040	71	17	13	31
Flatulence	570	77	106	2114	1447	3256	82	15	40	39
Hallucination	17	54	58	245	160	153	64	1	0	0
Headache	683	64	65	3419	1383	2720	65	15	27	26
Hirsutism	0	0	6	0	7	2	12	0	0	0
Hyperthermia	0	16	26	31	12	35	6	0	0	0
Hyperventilation	17	61	58	349	148	49	36	0	0	0
Hypothermia	15	19	41	22	22	38	27	1	0	1
Impotence	2	14	24	28	35	19	59	0	0	11
Infertility	10	16	23	12	213	16	61	7	0	1
Insomnia	135	68	69	499	585	1079	97	3	3	7
Itch	110	65	64	717	278	586	67	8	15	13
Jaundice	3	7	16	8	13	12	23	0	0	2
Malaise	0	9	17	4	46	4	35	0	0	0
Melena	0	4	3	11	42	34	2	0	0	1
Miscarriage	4	34	33	24	41	50	55	1	0	0
Nausea	1	31	31	27	75	53	60	0	0	0
Nystagmus	21	0	0	0	0	9	3	0	0	0

Pain	2231	87	79	11368	6941	11006	99	86	122	177
Palpitation	2	48	45	48	80	81	45	1	0	2
Paralysis	10	64	76	75	59	123	111	3	2	7
Paranoia	263	125	135	847	764	1024	129	8	27	23
Persecution	1	24	30	44	275	95	69	1	0	3
Perspiration	637	96	105	4184	1975	4682	116	21	27	53
Phobia	62	82	81	366	259	377	114	2	5	10
Rash	66	65	64	227	271	408	65	3	3	2
Rigor	2	10	25	44	52	106	54	1	1	2
Shivering	138	64	64	950	454	1074	66	7	3	14
Sleepy	658	65	70	3968	1729	2964	65	16	32	52
Somnolence	25	46	49	35	40	48	67	0	0	0
Swelling	91	64	64	275	254	379	65	3	3	10
Tachycardia	0	3	2	0	1	0	11	0	0	0
Thirst	20	66	64	662	139	216	67	22	24	29
Thirsty	133	64	64	915	406	985	66	6	4	10
Tinnitus	2	18	48	19	57	66	13	0	0	0
Tired	5009	143	137	24094	9624	19008	107	145	158	282
Toothache	40	61	64	169	64	242	61	0	2	1
Tremor	809	86	91	5172	4462	5410	120	46	56	139
Urticaria	10	55	64	162	578	263	57	0	12	19
Vertigo	13	25	44	50	329	174	32	0	0	2
Vomit	197	64	71	904	1107	1059	66	14	13	13
Weak	351	73	71	3318	1774	2291	82	15	30	70
Weight loss	4	19	26	121	119	45	56	0	1	2
Wound	239	72	71	898	637	1975	82	21	12	55