

Supplementary Table 1. Incidence of T1D and T2D (per 100,000) and amount of air pollutants according to each regions of Russian Federation

Russian Federation	Region number	T1D (0–14 Y)	T1D	T2D	Emissions of air pollutants (tons)
Total		14.2	7	185.2	31,617.2
Adygea Resp	1	13.6	4.4	105.4	61.7
Altai Rep	2	5.2	7.4	148.7	33.3
Altai Kr	3	22.1	9.9	301.9	448.8
Amur reg	4	15.1	8.6	227.6	229.9
Arkhangelsk reg	5	25.4	10.6	299.5	268.7
Astrakhan reg	6	16.6	8.8	239.8	228.7
Bashkortostan Rep	7	29.7	11.4	206.3	919.9
Belgorod reg	8	10.8	6.6	219.3	279.4
Bryansk reg	9	16.5	10	304.3	119.9
Buryatia Rep	10	6.7	5.4	264.1	209.7
Vladimir reg	11	9.8	6.9	187.5	151.4
Volgograd reg	12	10.1	5.9	192.1	441.7
Vologda reg	13	12.8	10.8	171.5	567.1
Voronezh reg	14	22.5	10.7	329.3	326.8
Dagestan Rep	15	2.0	2.6	62.1	254.2
Jewish Aut. Ok	16	NA	1.8	118.6	34.5
Zabaykalsky Kr	17	16.9	4.5	93.4	239.9
Ivanovo reg	18	15.4	9.5	287.7	121.1
Ingushetia Rep	19	3.0	5.1	132.4	31.7
Irkutsk reg	20	16.3	NA	NA	845.0
Kabardino-Balkar Rep	21	4.6	4.2	69.4	86.9
Kaliningrad reg	22	1.9	3.5	78.9	122.0
Kalmykia Rep	23	5.2	2.5	162.2	38.2
Kaluga reg	24	20.8	7.7	214.2	134.7
Kamchatka Kr	25	27.3	9.2	216.7	81.3
Karachay-Cherkess Rep	26	9.8	5.3	113.1	53.8
Karelia Rep	27	19.7	14	243.5	205.0
Kemerovo reg	28	16.1	8.5	168.6	1,577.3
Kirov reg	29	23.3	8.4	351.5	214.5
Komi Rep	30	15.5	9.3	269.9	653.4
Kostroma reg	31	27.2	10.6	229.6	115.6
Krasnodar Kr	32	19.5	7.3	203	806.9
Krasnoyarsk Kr	33	NA	14.3	210.2	2,632.7
Crimea Rep	34	7.3	4.2	119.7	67.0
Kurgan reg	35	14.9	6.6	268.2	103.6
Kursk reg	36	11.0	5.5	204.9	135.8
Leningrad reg	37	6.4	5.8	117	431.6
Lipetsk reg	38	7.2	7	115.6	457.2
Magadan reg	39	19.5	9.6	165.4	59.7
Mari El Rep	40	14.5	5.7	293.1	93.9
Mordovia Rep	41	20.8	8.2	217.1	114.8
Moscow	42	12.6	6.4	264.9	1,042.1
Moscow reg	43	22.9	7.8	179.2	1,026.9
Murmansk reg	44	13.7	6.8	162.7	292.1
Nenets AOk	45	NA	11.4	123.2	91.4
Nizhny Novgorod reg	46	22.1	9.3	256.2	451.4
Novgorod reg	47	14.1	4.9	165	119.0
Novosibirsk reg	48	21.3	8.8	183.3	479.3
Omsk reg	49	18.4	10.7	183.4	385.7

Supplementary Table 1. Continued

Russian Federation	Region number	T1D (0-14 Y)	T1D	T2D	Emissions of air pollutants (tons)
Orenburg reg	50	21.5	9.9	289.3	788.0
Oryol reg	51	NA	1.3	83.3	125.4
Penza reg	52	15.1	8.6	221.9	156.4
Perm reg	53	14.4	8.7	211.7	610.5
Primorsky Kr	54	15.3	9	75.9	425.4
Pskov reg	55	10.2	5.9	99.6	127.1
Rostov reg	56	17.6	6.6	227.7	629.2
Ryazan reg	57	NA	NA	NA	222.1
Samara reg	58	15.9	7.8	225.1	566.9
St. Petersburg	59	NA	3	115.9	530.2
Saratov reg	60	NA	1.8	124.2	368.2
Sakha/Yakutia/Rep	61	0.9	3.9	104.1	330.3
Sakhalin reg	62	NA	9.9	278.7	138.3
Sverdlovsk reg	63	15.7	10.5	267	1,336.8
North Ossetia-Alania Rep	64	13.8	7.5	94.4	81.6
Smolensk reg	65	2.9	7.5	179.1	143.0
Stavropol reg	66	8.6	4.1	117.3	351.5
Tambov reg	67	NA	NA	NA	159.2
Tatarstan Rep	68	17.3	8.1	190.3	661.3
Tver reg	69	2.0	5.7	165.1	200.4
Tomsk reg	70	14.3	8.4	224.3	405.4
Tula reg	71	12.6	11.2	264.2	337.4
Tyva Rep	72	NA	NA	NA	36.0
Tyumen reg	73	17.4	5.9	244.4	297.7
Udmurt Rep	74	NA	11.4	213.3	277.6
Ulyanovsk reg	75	16.9	7.2	203.4	147.0
Khabarovsk Kr	76	11.8	5	109	262.2
Khakassia Rep	77	2.8	4.7	267.9	138.5
KhMAO - Ugra AOk	78	11.1	9	227	1,658.5
Chelyabinsk reg	79	10.7	8	225.4	905.8
Chechen Rep	80	1.1	1.6	53.5	131.4
Chuvash Rep	81	11.4	5	164.7	115.1
Chukotka AOk	82	NA	14	217.3	27.6
Yamalo-Nenets AOk	83	23.3	6.9	211	834.1
Yaroslavl reg	84	25.5	13.1	323.1	193.5

T1D, type 1 diabetes; T2D, type 2 diabetes; NA, not available.