

**Supplementary Table 1.** Trends of insulin prescription among patients with type 2 diabetes mellitus from 2002 to 2019

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Insulin user <sup>a</sup>	109,974	125,851	134,727	156,585	179,557	194,673	216,665	233,394	243,590	253,757	257,796	258,819	259,623	265,796	287,100	309,313	332,259	348,254
Human insulin	72,327 (65.77)	101,265 (80.46)	109,757 (81.47)	116,802 (74.59)	115,107 (64.11)	106,171 (54.54)	97,845 (45.16)	87,127 (37.33)	76,502 (31.41)	68,362 (26.94)	57,731 (22.39)	50,766 (19.61)	46,261 (17.82)	43,048 (16.2)	39,786 (13.86)	37,416 (12.1)	35,421 (10.66)	32,537 (9.34)
Premix insulin or BHI	17,836 (16.22)	22,796 (18.11)	27,560 (20.46)	37,468 (23.93)	45,789 (25.5)	51,705 (26.56)	56,861 (26.24)	62,066 (26.59)	65,944 (27.07)	70,412 (27.75)	73,046 (28.33)	74,260 (28.69)	74,863 (28.84)	73,310 (27.58)	73,720 (25.68)	73,400 (23.73)	70,728 (21.29)	61,761 (17.73)
Rapid acting analogs	5,638 (5.13)	7,576 (6.02)	8,997 (6.68)	11,455 (7.32)	15,559 (8.67)	19,138 (9.83)	24,342 (11.23)	31,698 (13.58)	38,106 (15.64)	42,941 (16.92)	47,922 (18.59)	51,929 (20.06)	55,671 (21.44)	58,102 (21.86)	62,794 (21.87)	70,553 (22.81)	78,536 (23.64)	84,014 (24.12)
Basal analogs	-	-	2 (<0.01)	14,363 (9.17)	35,989 (20.04)	56,763 (29.16)	84,226 (38.87)	105,378 (45.15)	118,758 (48.75)	131,442 (51.8)	140,011 (54.31)	144,349 (55.77)	148,412 (57.16)	158,818 (59.75)	184,121 (64.13)	208,316 (67.35)	237,405 (71.45)	261,520 (75.09)

Values are presented as number (%).

BHI, biphasic human insulin.

<sup>a</sup>Duplicate counting for each type of insulin is allowed for subjects using two or more types of insulin.

**Supplementary Table 2.** Trends in insulin prescription among patients with type 1 diabetes mellitus from 2002 to 2019

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Insulin user <sup>a</sup>	34,972	35,646	37,971	40,572	43,120	45,407	45,606	46,011	46,865	46,864	45,638	44,130	43,390	42,025	35,920	26,969	20,715	20,287
Human insulin	23,807 (68.07)	29,929 (83.96)	31,380 (82.64)	31,491 (77.62)	30,427 (70.56)	28,256 (62.23)	24,897 (54.59)	21,188 (46.05)	18,379 (39.22)	15,152 (32.33)	12,107 (26.53)	9,737 (22.06)	8,599 (19.82)	7,240 (17.23)	5,224 (14.54)	3,316 (12.30)	2,076 (10.02)	1,800 (8.87)
Premix insulin or BHI	5,225 (14.94)	5,946 (16.68)	7,242 (19.07)	9,262 (22.83)	10,788 (25.02)	11,485 (25.29)	11,261 (24.69)	11,607 (25.23)	12,150 (25.93)	12,434 (26.53)	12,357 (27.08)	11,963 (27.11)	11,408 (26.29)	10,408 (24.77)	7,893 (21.97)	5,102 (18.92)	3,231 (15.6)	2,548 (12.56)
Rapid acting analogs	2,005 (5.73)	2,228 (6.25)	3,264 (8.60)	3,752 (9.25)	4,324 (10.03)	5,668 (12.48)	6,691 (14.67)	7,871 (17.11)	9,147 (19.52)	10,951 (23.37)	12,101 (26.52)	13,252 (30.03)	14,306 (32.97)	14,874 (35.39)	15,435 (42.97)	14,856 (55.09)	14,001 (67.59)	14,577 (71.85)
Basal analogs	-	-	2 (0.01)	2,528 (6.23)	5,995 (13.90)	10,215 (22.50)	14,466 (31.72)	17,895 (38.89)	20,441 (43.62)	23,088 (49.27)	24,150 (52.92)	24,692 (55.95)	25,241 (58.17)	25,945 (61.74)	23,824 (66.33)	18,658 (69.18)	15,342 (74.06)	15,571 (76.75)

Values are presented as number (%).

BHI, biphasic human insulin.

<sup>a</sup>Subjects using more than one type of insulin were counted in all types of insulin.