

Supplementary Table 3. Trends in rapid acting analog and/or basal analog prescription among type 1 diabetes mellitus patients from 2002 to 2019

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Insulin user ^a	34,972 (2.95)	35,646 (2.69)	37,971 (4.18)	40,572 (4.27)	43,120 (3.9)	45,407 (4.91)	45,606 (4.60)	46,011 (4.57)	46,865 (4.88)	46,864 (5.26)	45,638 (4.92)	44,130 (4.98)	43,390 (5.09)	42,025 (4.94)	35,920 (5.22)	26,969 (6.15)	20,715 (6.81)	20,287 (6.81)	
Rapid acting analogs only	1,031 (2.95)	959 (2.69)	1,589 (4.18)	1,734 (4.27)	1,680 (3.9)	2,231 (4.91)	2,099 (4.60)	2,102 (4.57)	2,287 (4.88)	2,466 (5.26)	2,244 (4.92)	2,198 (4.98)	2,209 (5.09)	2,075 (4.94)	1,876 (5.22)	1,659 (6.15)	1,410 (6.81)	1,381 (6.81)	
Basal analogs only	-	-	-	748 (1.84)	2,603 (6.04)	5,162 (11.37)	7,682 (16.84)	10,123 (22.00)	11,819 (25.22)	12,988 (27.71)	12,835 (29.04)	12,835 (29.08)	12,569 (28.97)	12,496 (29.73)	9,863 (27.46)	5,456 (20.23)	2,764 (13.34)	2,476 (12.2)	
Basal+rapid acting analogs	-	-	-	173 (0.43)	601 (1.39)	1,124 (2.48)	1,985 (4.35)	3,057 (6.64)	4,094 (8.74)	5,481 (11.7)	6,874 (15.06)	8,326 (18.87)	9,390 (21.64)	10,445 (24.85)	11,485 (31.97)	11,635 (43.14)	11,365 (54.86)	12,167 (59.97)	

Values are presented as number (%).

^aDuplicate counting for each type of insulin is allowed for subjects using two or more types of insulin.

Supplementary Table 4. Trends in rapid acting analogs and/or basal analogs among type 2 diabetes mellitus patients from 2002 to 2019

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Insulin user	109,974 (3.53)	125,851 (3.55)	134,727 (3.93)	156,585 (4.20)	179,557 (4.60)	194,673 (4.67)	216,665 (4.69)	233,394 (4.88)	243,590 (5.30)	253,757 (5.48)	257,796 (5.74)	258,819 (5.78)	259,623 (5.80)	265,796 (5.55)	287,100 (5.02)	309,313 (4.69)	332,259 (4.54)	348,254 (4.38)	
Rapid acting analogs only	3,885 (3.53)	4,469 (3.55)	5,296 (3.93)	6,574 (4.20)	8,262 (4.60)	9,091 (4.67)	10,157 (4.69)	11,390 (4.88)	12,913 (5.30)	13,896 (5.48)	14,790 (5.74)	14,964 (5.78)	15,048 (5.80)	14,751 (5.55)	14,414 (5.02)	14,517 (4.69)	15,082 (4.54)	15,260 (4.38)	
Basal analogs only	-	-	-	5,793 (3.70)	19,870 (11.07)	35,422 (18.20)	55,198 (25.48)	71,142 (30.48)	81,354 (33.40)	90,090 (35.50)	95,582 (37.08)	97,398 (37.63)	97,990 (37.74)	105,301 (39.62)	124,055 (43.21)	140,708 (45.49)	159,330 (47.95)	180,292 (51.77)	
Basal+rapid acting analogs	-	-	-	465 (0.30)	1,835 (1.02)	3,605 (1.85)	6,350 (2.93)	10,609 (4.55)	14,500 (5.95)	18,217 (7.18)	22,667 (8.79)	26,541 (10.25)	30,107 (11.60)	33,415 (12.57)	38,719 (13.49)	46,392 (15.00)	54,311 (16.35)	60,459 (17.36)	

Values are presented as number (%).

Supplementary Table 5. Trends of antidiabetic agents among insulin users 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 only	58,733 (53.41)	65,677 (52.19)	68,656 (50.96)	74,503 (47.58)	80,011 (44.56)	85,682 (44.01)	90,969 (41.99)	93,338 (39.99)	94,346 (38.73)	96,776 (38.14)	99,405 (38.56)	98,175 (37.93)	97,989 (37.74)	85,153 (32.04)	80,424 (28.01)	79,265 (25.63)	81,185 (24.43)	81,050 (23.27)
Insulin+monotherapy	28,460 (25.88)	33,621 (26.71)	36,581 (27.15)	45,763 (29.23)	55,373 (30.84)	62,290 (32.00)	72,441 (33.43)	79,627 (34.12)	86,799 (35.63)	94,692 (37.32)	94,797 (36.77)	94,588 (36.55)	93,101 (35.86)	69,598 (26.18)	64,357 (22.42)	62,886 (20.33)	63,343 (19.06)	63,370 (18.20)
Insulin+dual therapy	18,391 (16.72)	21,334 (16.95)	23,445 (17.40)	28,473 (18.18)	33,452 (18.63)	35,083 (18.02)	40,685 (18.78)	47,675 (20.43)	50,307 (20.65)	54,183 (21.35)	57,053 (22.13)	59,107 (22.84)	60,935 (23.47)	99,806 (37.55)	127,213 (44.31)	149,073 (48.19)	167,367 (50.37)	182,303 (52.35)
Insulin+triple therapy	4,266 (3.88)	5,075 (4.03)	5,888 (4.37)	7,607 (4.86)	10,359 (5.77)	11,184 (5.75)	12,091 (5.58)	12,268 (5.26)	11,766 (4.83)	7,889 (3.11)	6,370 (2.47)	6,741 (2.60)	7,291 (2.81)	10,838 (4.08)	14,542 (5.07)	17,336 (5.60)	19,568 (5.89)	20,695 (5.94)

Values are presented as number (%).