1 Supplementary Tables

Table 1: Timing of recorded events relative to T2DM diagnosis (index day = 0). For each _days variable we report completeness, the median time in days with IQR, and the distribution of occurrences before (≤ 0), at ($= 0$), and after (> 0) the index among those observed.

variable	observed	missing	observed %	median_days [Q1;Q3]	≤ 0 n (%)	$= 0$ n (%)	> 0 n (%)
Last Visit	36244	2	100.0	764.5 [165.0; 1788.7]	4121 (11.4%)	4121 (11.4%)	32123 (88.6%)
Hypertension	25597	10649	70.6	0.0 [-9.6; 0.0]	22633 (88.4%)	15801 (61.7%)	2964 (11.6%)
Statin	10772	25474	29.7	1.3 [0.3; 476.8]	2004 (18.6%)	0 (0.0%)	8768 (81.4%)
CVD	10610	25636	29.3	0.0 [0.0; 551.8]	6093 (57.4%)	3730 (35.2%)	4517 (42.6%)
ACEi or ARB	10601	25645	29.2	1.2 [0.2; 349.7]	2296 (21.7%)	0 (0.0%)	8305 (78.3%)
CKD	2330	33916	6.4	147.0 [0.0; 1009.2]	908 (39.0%)	634 (27.2%)	1422 (61.0%)
Death	1834	34412	5.1	82.4 [17.4; 296.9]	0 (0.0%)	0 (0.0%)	1834 (100.0%)
Dialysis	1151	35095	3.2	206.7 [7.1; 1139.4]	0 (0.0%)	0 (0.0%)	1151 (100.0%)

Notes. Times are counted in days from the index date (T2DM diagnosis, day 0). "observed" = number of non-missing values; "observed %" = 100×observed/N. "median_days [Q1;Q3]" is computed among observed values only. Columns ≤ 0, $= 0$, and > 0 report counts (percentages) among observed values occurring before, on, and after the index, respectively. For death_days and dialysis_days, events occur after index in this dataset. For diagnosis/therapy variables (e.g., has_days, dlp_days, dcv_days, ieca_bra_days), values ≤ 0 indicate presence at baseline (prevalent condition/therapy), and > 0 incident after index. Abbreviations: CVD = Cardiovascular or Cerebrovascular Disease; CKD = Chronic Kidney Disease; ACEi = Angiotensin Converting Enzyme inhibitors; ARB = Angiotensin Receptor Blocker.

Table 2: Timing of laboratory measurements relative to T2DM diagnosis (index day = 0).

variable	observed	missing	observed %	median_days [Q1;Q3]	min_days	max_days	≤ 0 n (%) among observed	$= 0$ n (%) among observed	> 0 n (%) among observed
BMI	32390	6416	83.5	0.1 [0.0; 87.9]	-2943.042361	3670.104861	4919 (15.2%)	15 (0.0%)	27471 (84.8%)
Creatinine	30643	8163	79.0	0.7 [-0.2; 89.7]	-2971.213889	3297.394444	8271 (27.0%)	5 (0.0%)	22372 (73.0%)
HbA1c	22162	16644	57.1	7.9 [-34.0; 240.7]	-2945.538194	3295.972917	8127 (36.7%)	0 (0.0%)	14035 (63.3%)

Notes. Total of patients 36,244. "observed" = non-missing values. Columns ≤ 0, $= 0$, and > 0 indicate when the measurement occurred relative to the index date. Abbreviations: BMI = Body Mass Index; HbA1c = Glycated Hemoglobin.