

SUPPLEMENTARY INFORMATION

Supplementary Table 1. International Classification of Disease 10th Revision codes and/or diagnostic criteria for comorbidities

Comorbid conditions	Diagnosis
Congestive heart failure (CHF)	ICD10 codes: I50.x, I11.0, I13.0, I13.2
Chronic kidney disease (CKD)	ICD-10 code was not used for CKD diagnosis. Instead, CKD was defined as an eGFR of <60 ml/min/1.73m ² calculated by using the CKD-EPI equation and/or urine albumin to creatinine ratio (UACR) \geq 30 mg/g). Data for eGFR and UACR calculations were obtained from the laboratory database.
Retinopathy	ICD10 codes: H33.x, H34.x, H35.x, H36 (associated to the presence of E10-E14)
Neuropathy	ICD10 codes: G56, G57, G58, G59, G60, G61, G62, G63. G59 (associated to the presence of E10-E14)
Cardiovascular disease (Myocardial infarction, ischemic heart disease, cerebrovascular disease, and peripheral arterial disease)	ICD10 codes: I21.x, I22.x, I23.x, I25.x, I24, I25, I20.x, I63.x, I64, I65.x, I61.x, I62.x (except: I62.9), G45.x, G46.x, I73, I73.8, I73.9.
Urinary tract infection	ICD10 codes: N110, N10, N390
Genital mycotic infection	ICD10 codes: B373, N760, N761, N762, N763 (female), N476, N481 (male)
Hypoglycemia	ICD10 codes: E15, E160, E161, E162, E11649
Pancreatitis	ICD10 codes: K85.x, K86.x
Liver disease	ICD10 codes: B15, B16, B17, B18, B19, K71, K72, K73, K74, K75, K76, K77
Hypertension	ICD10 codes: I10, I15, I15.0, I15.1, I15.2, I15.8, I15.9. In addition to ICD-10 diagnosis, hypertension was defined as systolic blood pressure (SBP) \geq 140 or diastolic blood pressure (DBP) \geq 90 mmHg or use of antihypertensive medications.
Hyperlipidemia	ICD10 codes: E780, E781, E782, E783, E784, E785

	In addition to ICD-10 code, dyslipidemia was defined by an LDL cholesterol (LDLc) ≥ 160 mg/dl or use of medications for lowering cholesterol (see Appendix).
Overweight/Obesity	ICD10 codes: E66, E66.0, E66.1, E66.2, E66.8, E66.9 Overweight/obesity was defined by either the presence of an ICD-10 code or a body mass index (BMI) measure ≥ 25 kg/m ² .
Macroalbuminuria/ Proteinuria	Macroalbuminuria was defined as an UACR ≥ 300 mg/g. Data were obtained from the laboratory database.
Microalbuminuria	Microalbuminuria was defined as an UACR: 30–299 mg/g. Data were obtained from the laboratory database.

Supplementary Table 2. Coprevalence of medical conditions among patients ≥ 75 years with type 2 diabetes

	Hyperlipidemia	Obesity	CVD	Heart failure	Retinopathy	Neuropathy	CRF	Albuminuria	CKD	Hypoglycemia	Pancreatitis	Liver disease	GMI	UTI
Hypertension	52.0	32.3	27.7	11.6	13.8	8.7	45.2	14.5	46.5	1.0	0.9	7.3	1.3	15.5
Hyperlipidemia		22.9	20.3	7.8	9.5	6.4	31.2	9.9	32.1	0.7	0.6	4.9	1.0	11.0
Obesity			6.9	6.1	6.0	4.3	18.0	6.3	20.2	0.4	0.4	3.6	0.7	6.6
CVD				6.4	6.1	3.7	16.4	6.5	19.3	0.5	0.4	2.6	0.5	6.4
Heart failure					2.6	1.5	9.4	2.8	10.6	0.2	0.2	1.2	0.2	3.0
Retinopathy						2.5	8.9	3.3	9.3	0.4	0.2	1.4	15.8	3.1
Neuropathy							5.4	1.9	7.7	0.2	0.1	1.1	0.2	2.1
CRF eGFR<60								11.3	50.3	0.8	0.6	4.2	50.3	10.3
Albuminuria									16.1	0.3	0.2	1.4	0.3	3.6
CKD										0.8	0.6	4.4	0.8	10.6
Hypoglycemia											0.0	0.1	0.0	0.3
Pancreatitis												0.2	0.0	0.2
Liver Disease													0.2	1.7
GMI														0.7

CKD, chronic kidney disease; CRF, chronic renal failure; CVD, cardiovascular disease; GMI, genital mycotic infection; UTI, urinary

tract infection

Supplementary Table 3. Coprevalence of medical conditions among male patients with type 2 diabetes

	Hyperlipidemia	Obesity	CVD	Heart failure	Retinopathy	Neuropathy	CRF	Albuminuria	CKD	Hypoglycemia	Pancreatitis	Liver disease	GMI	UTI
Hypertension	42.0	30.3	21.6	5.0	9.8	6.0	21.0	12.6	25.7	0.5	0.8	8.7	0.8	5.2
Hyperlipidemia		24.7	17.8	3.7	7.4	5.0	15.1	9.7	19.1	0.4	0.7	7.6	0.8	4.1
Obesity			10.6	2.9	5.0	3.7	8.5	7.2	13.1	0.2	0.3	6.0	0.6	2.7
CVD				3.6	4.9	3.1	10.8	5.9	12.4	0.3	0.4	3.2	0.3	2.6
Heart failure					1.2	0.7	3.7	1.5	3.8	0.1	0.1	0.7	0.1	0.7
Retinopathy						2.0	4.5	3.2	5.7	0.2	0.2	1.5	0.1	1.0
Neuropathy							2.5	1.6	3.1	0.1	0.1	1.3	0.1	0.7
CRF eGFR<60								6.3	21.8	0.3	0.3	2.3	0.2	2.4
Albuminuria									15.5	0.2	0.2	2.0	0.2	1.6
CKD										0.4	0.4	3.7	0.3	3.2
Hypoglycemia											0.0	0.1	0.0	0.1
Pancreatitis												0.3	0.0	0.1
Liver Disease													0.2	0.9
GMI														0.2

CKD, chronic kidney disease; CRF, chronic renal failure; CVD, cardiovascular disease; GMI, genital mycotic infection; UTI, urinary

tract infection

Supplementary Table 4. Coprevalence of medical conditions among female patients with type 2 diabetes

	Hyperlipidemia	Obesity	CVD	Heart failure	Retinopathy	Neuropathy	CRF	Albuminuria	CKD	Hypoglycemia	Pancreatitis	Liver disease	GMI	UTI
Hypertension	49.0	40.5	15.3	7.2	11.3	10.1	29.3	10.1	31.5	0.8	0.7	9.3	2.2	15.7
Hyperlipidemia		31.5	11.7	5.0	8.5	8.5	21.1	7.5	23.0	0.6	0.5	7.6	1.9	12.4
Obesity			8.0	4.5	7.0	7.9	14.5	6.6	18.1	0.5	0.4	7.4	2.0	9.8
CVD				3.3	3.6	2.7	9.1	3.0	9.4	0.3	0.2	1.9	0.5	4.5
Heart failure					1.7	1.1	5.5	1.6	5.4	0.2	0.1	0.9	0.2	2.2
Retinopathy						2.6	5.9	2.5	6.5	0.3	0.1	1.5	0.4	3.1
Neuropathy							4.2	1.8	4.8	0.2	0.1	2.1	0.6	2.9
CRF eGFR<60								5.8	29.5	0.5	0.3	3.1	0.7	7.2
Albuminuria									11.7	0.2	0.1	1.4	0.4	3.1
CKD										0.5	0.4	3.9	1.0	8.6
Hypoglycemia											0.0	0.1	0.0	0.3
Pancreatitis												0.2	0.0	0.2
Liver Disease													0.5	2.7
GMI														1.2

CKD, chronic kidney disease; CRF, chronic renal failure; CVD, cardiovascular disease; GMI, genital mycotic infection; UTI, urinary

tract infection

Supplementary Figure 1

Patient disposition

