

*Supplementary Appendix***Evaluation and Management of COVID-19-Related Severity in People with Type 2 Diabetes****Table of Contents**

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Condition	ICD-10 Codes
Type 2 Diabetes	E11.*
COVID-19 before April 1 <sup>st</sup>	B97.29 combined with (J40.*, J22.*, J20.8, J80.*, J98.8), OR B97.29 combined with Z20.828 and (R05.*, R06.02, R50.9)
COVID-19 after April 1 <sup>st</sup>	U70.1
Coronary artery disease	I25.1, I25.7
Hypertension	I10.*-I13.*, I15.*
Nephropathy	E10.2X, E11.2X, N00-N08, N17, N18, N19, I12, I15.0, I15.1, Q60.2, Q60.5, Q61, R80.3, R80.9
Neuropathy	E10.4X, E11.4X, G99.0, G55, G56, G59
Obesity	DX E66.01, E66.09, E66.1, E66.2, E66.8, E66.9, Z68.30-Z68.39, Z68.41-Z68.45
Retinopathy	E10.3X, E11.3X, H35.X
Stroke	G45.0, G45.1, G45.2, G45.8, G45.9, G46.0-G46.8, G97.31, G97.32, I60.00, I60.01, I60.02, I60.10, I60.11, I60.12, I60.20, I60.21, I60.22, I60.30, I60.31, I60.32, I60.4, I60.50, I60.51, I60.52, I60.6, I60.7, I60.8, I60.9, I61.0-I61.9, I63.00, I63.02, I63.011, I63.012, I63.013, I63.019, I63.02, I63.031, I63.032, I63.039, I63.09, I63.10, I63.111, I63.112, I63.119, I63.12, I63.131, I63.132, I63.139, I63.19, I63.20, I63.211, I63.212, I63.213, I63.219, I63.22, I63.231, I63.232, I63.233, I63.239, I63.29, I63.30, I63.311, I63.312, I63.313, I63.319, I63.321, I63.322, I63.323, I63.329, I63.331, I63.332, I63.333, I63.339, I63.341, I63.342, I63.343, I63.349, I63.39, I63.40, I63.411, I63.412, I63.413, I63.419, I63.421, I63.422, I63.423, I63.429, I63.431, I63.432, I63.433, I63.439, I63.441, I63.442, I63.443, I63.449, I63.49, I63.50, I63.511, I63.512, I63.513, I63.519, I63.521, I63.522, I63.523, I63.529, I63.531, I63.532, I63.533, I63.539, I63.541, I63.542, I63.543, I63.549, I63.59, I63.6, I63.8, I63.9, I66.01, I66.02, I66.03, I66.09, I66.11, I66.12, I66.13, I66.19, I66.21, I66.22, I66.23, I66.29, I66.3, I66.8, I66.9, I67.841, I67.848, I67.89, I97.810, I97.811, I97.820, I97.821
Stroke (exclusion codes)	EXCLUSION: If any of the qualifying claims have any of the following codes in any DX position then EXCLUDE: S01.*-S06.*, OR Z51.89 as the principal DX Code then EXCLUDE.
Intensive Care	CPT-4 codes 99291, 99292; HCPCS codes G0508, G0509, G9853; combined with revenue codes 200 and 202.

**Table S1.** ICD-10 DX codes for identification of conditions.

<b>Drug Type</b>	<b>Generics</b>
Metformin	Metformin
Insulin	Insulin
ACEIs	Benazepril, Captopril, Enalapril, Fosinopril, Lisinopril, Moexipril, Perindopril, Quinapril, Ramipril, Trandolapril
ARBs	Azilsartan, Candesartan, Eprosartan, Irbesartan, Losartan, Olmesartan, Telmisartan, Valsartan, Entresto, Byvalson
Corticosteroids	Dexamethasone, Hydrocortisone, Methylprednisolone

**Table S2.** Generics selected for each type of medication.

HbA1c Measurement Frequency	N	%
1	2714	16.4%
2	2217	13.4%
3	2148	13.0%
4	1991	12.1%
5	1831	11.1%
6	1598	9.7%
7	1187	7.2%
8	955	5.8%
9	709	4.3%
≥ 10	1154	7.0%

**Table S3.** During the individuals' HbA1c aggregation period, the number and percentage of study participants with different HbA1c measurement frequencies.