

TABLE E-1 ICD-9-CM Codes for Controlled and Not-Uncontrolled Diabetes Used in the Study*

Uncontrolled Diabetes	Controlled Diabetes (Not Uncontrolled)
[250.03] Diabetes mellitus no complication, Type I, uncontrolled	[250.01] Diabetes mellitus no complication, Type 1, not uncontrolled
[250.02] Diabetes mellitus no complication, Type II or unspec, uncontrolled	[250.00] Diabetes no complication, Type II or unspec, not uncontrolled
[250.23] Diabetes mellitus with hyperosmolarity, Type I, uncontrolled	[250.21] Diabetes mellitus with hyperosmolarity, Type I, not uncontrolled
[250.22] Diabetes mellitus with hyperosmolarity, Type II or unspec, uncontrolled	[250.20] Diabetes mellitus with hyperosmolarity, Type II or unspec, not uncontrolled
[250.13] Diabetes mellitus with ketoacidosis, Type I, uncontrolled	[250.10] Diabetes mellitus with ketoacidosis, Type II or unspec, not uncontrolled
[250.12] Diabetes mellitus with ketoacidosis, Type II or unspec, uncontrolled	[250.11] Diabetes mellitus with ketoacidosis, Type I, not uncontrolled
[250.53] Diabetes mellitus with ophthalmic manifestations, Type I, uncontrolled	[250.51] Diabetes mellitus with ophthalmic manifestations, Type I, not uncontrolled
[250.52] Diabetes mellitus with ophthalmic manifestations, Type II or unspec, uncontrolled	[250.50] Diabetes with ophthalmic manifestations, Type II or unspec, not uncontrolled
[250.33] Diabetes mellitus with oth coma, Type I, uncontrolled	[250.31] Diabetes mellitus with oth coma, Type I, not uncontrolled
[250.32] Diabetes mellitus with oth coma, Type II or unspec, uncontrolled	[250.30] Diabetes mellitus with oth coma, Type II or unspec, not uncontrolled
[250.83] Diabetes mellitus with oth spec manifestations, Type I, uncontrolled	[250.81] Diabetes with oth spec manifestations, Type I, not uncontrolled
[250.82] Diabetes mellitus with oth spec manifestations, Type II or unspec, uncontrolled	[250.80] Diabetes with oth spec manifestations, Type II or unspec, not uncontrolled
[250.73] Diabetes mellitus with periph circulatory disorders, Type I, uncontrolled	[250.71] Diabetes with periph circulatory disorders, Type I, not uncontrolled
[250.72] Diabetes mellitus with periph circulatory disorders, Type II or unspec, uncontrolled	[250.70] Diabetes with periph circulatory disorders, Type II or unspec, not uncontrolled
[250.43] Diabetes mellitus with renal manifestations, Type I, uncontrolled	[250.41] Diabetes mellitus with renal manifestations, Type I, not uncontrolled
[250.42] Diabetes mellitus with renal manifestations, Type II or unspec, uncontrolled	[250.40] Diabetes mellitus with renal manifestations, Type II or unspec, not uncontrolled
[250.93] Diabetes mellitus with unspec complication, Type I, uncontrolled	[250.91] Diabetes mellitus with unspec complication Type I, not uncontrolled
[250.92] Diabetes mellitus with unspec complication, Type II or unspec, uncontrolled	[250.90] Diabetes mellitus with unspec complication, Type II or unspec, not uncontrolled

*Unspec = unspecified, oth = other, periph = peripheral, spec = specified.

TABLE E-2 Regression Modeling (Adjusted for Confounders) with Use of “Controlled Diabetes” as the Reference Variable

Outcome Variables	Uncontrolled Diabetes*	P Value
Died	3.231 (1.873 to 5.572)	<0.001
Routine discharge	1.089 (0.959 to 1.236)	0.188
Cerebrovascular accident	3.416 (1.867 to 6.251)	<0.001
Mental status changes	—	—
Myocardial infarction	4.746 (0.871 to 25.866)	0.072
Urinary tract infection	1.969 (1.606 to 2.415)	<0.001
Ileus	2.469 (1.674 to 3.642)	<0.001
Thrombophlebitis	1.707 (0.780 to 3.734)	0.181
Deep-vein thrombosis	1.076 (0.142 to 8.156)	0.943
Pneumonia	1.292 (0.693 to 2.406)	0.42
Infection	2.276 (1.359 to 3.812)	0.002
Postop. hemorrhage/shock	1.986 (1.375 to 2.868)	<0.001
Other wound complications	1.716 (0.383 to 7.694)	0.48
Transfusion	1.189 (1.040 to 1.358)	0.011

*The values are given as the odds ratio, with the 95% confidence interval in parentheses.

TABLE E-3 Comparisons of Patients with Controlled Diabetes and Uncontrolled Diabetes After Adjustments for Confounders

	Controlled Diabetes*	Uncontrolled Diabetes*	P Value
Length of stay (<i>d</i>)	4.281 (4.256 to 4.305)	5.120 (5.010 to 5.229)	<0.0001
Inflation-adjusted charges (<i>United States dollars</i>)	29,207.20 (29,032.78 to 29,381.63)	29,705.33 (28,917.77 to 30,492.9)	0.2264

*The values are given as the adjusted median, with the 95% confidence interval in parentheses.

TABLE E-4 Comparison of Patients with Uncontrolled and Controlled Diabetes, Stratified According to Type of Diabetes*

Outcome Variables	Uncontrolled Type-I Diabetes†	P Value	Uncontrolled Type-II Diabetes†	P Value
Died	2.54 (0.808 to 7.991)	0.111	3.48 (1.864 to 6.481)	<0.001
Routine discharge	1.12 (0.882 to 1.428)	0.349	1.05 (0.902 to 1.219)	0.538
Cerebrovascular accident	3.88 (1.248 to 12.041)	0.019	3.22 (1.534 to 6.772)	0.002
Mental status changes	—	—	—	—
Myocardial infarction	4.38 (0.136 to 141.499)	0.405	5.84 (0.501 to 67.97)	0.159
Urinary tract infection	2.164 (1.507 to 3.107)	<0.001	1.78 (1.387 to 2.297)	<0.001
Ileus	0.996 (0.325 to 3.059)	0.995	2.98 (1.965 to 4.534)	<0.001
Thrombophlebitis	—	—	2.46 (1.119 to 5.398)	0.025
Deep-vein thrombosis	—	—	1.50 (0.195 to 11.468)	0.698
Pneumonia	0.39 (0.051 to 2.965)	0.361	1.64 (0.853 to 3.162)	0.138
Infection	0.79 (0.240 to 2.630)	0.706	3.17 (1.783 to 5.646)	<0.001
Postop. hemorrhage/shock	1.62 (0.834 to 3.132)	0.155	2.00 (1.283 to 3.132)	0.002
Other wound complications	4.58 (0.664 to 31.572)	0.123	—	—
Transfusion	1.26 (0.977 to 1.633)	0.074	1.15 (0.985 to 1.350)	0.077

*For Type-I uncontrolled diabetes, Type-I controlled diabetes was the reference variable. For Type-II uncontrolled diabetes, Type-II controlled diabetes was the reference variable. †The values are given as the odds ratio, with the 95% confidence interval in parentheses.

TABLE E-5 Adjusted Bivariate Values for Length of Stay and Inflation-Adjusted Charges

	Controlled Type-II Diabetes	Uncontrolled Type-II Diabetes	P Value	Controlled Type-I Diabetes	Uncontrolled Type-I Diabetes	P Value
Length of stay (<i>d</i>)			<0.001			<0.001
Adjusted median	4.181	4.965		5.103	5.781	
95% confidence interval	(4.159 to 4.204)	(4.853 to 5.076)		(5.011 to 5.195)	(5.502 to 6.060)	
Inflation-adjusted charges (<i>United States dollars</i>)			0.612			0.099
Adjusted median	29,169.42	29,423.9		29,218.11	30,545.26	
95% confidence interval	(28,975.67 to 29,363.17)	(28,459.97 to 30,387.83)		(28,724.98 to 29,711.24)	(29,052.00 to 32,038.53)	