

Medical and Dental Electronic Health Record Reporting Discrepancies in Integrated Patient Care

S. Adibi, M. Li, N. Salazar, D. Seferovic, K. Kookal, J.N. Holland, M. Walji, and M.C. Farach-Carson

Appendix

Appendix 1: Hypertension ICD diagnostic codes

ICD Code	Code Description
ICD9:401	Essential hypertension
ICD9:401.0	Malignant essential hypertension
ICD9:401.1	Benign essential hypertension
ICD9:401.9	Unspecified essential hypertension
ICD9:401-405.99	HYPERTENSIVE DISEASE
ICD9:402	Hypertensive heart disease
ICD9:402.0	Malignant hypertensive heart disease
ICD9:402.00	Malignant hypertensive heart disease without heart failure
ICD9:402.01	Malignant hypertensive heart disease with heart failure
ICD9:402.1	Benign hypertensive heart disease
ICD9:402.10	Benign hypertensive heart disease without heart failure
ICD9:402.11	Benign hypertensive heart disease with heart failure
ICD9:402.9	Unspecified hypertensive heart disease
ICD9:402.90	Unspecified hypertensive heart disease without heart failure
ICD9:402.91	Unspecified hypertensive heart disease with heart failure
ICD9:403	Hypertensive chronic kidney disease
ICD9:403.0	Hypertensive chronic kidney disease, malignant
ICD9:403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified
ICD9:403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease
ICD9:403.1	Hypertensive renal disease, benign
ICD9:403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified
ICD9:403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease
ICD9:403.9	Hypertensive renal disease, unspecified
ICD9:403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified
ICD9:403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease
ICD9:404	Hypertensive heart and chronic kidney disease
ICD9:404.0	Hypertensive heart and chronic kidney disease, malignant
ICD9:404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified

ICD9:404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified
ICD9:404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease
ICD9:404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease
ICD9:404.1	Hypertensive heart and renal disease, benign
ICD9:404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified
ICD9:404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified
ICD9:404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease
ICD9:404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease
ICD9:404.9	Hypertensive heart and renal disease, unspecified
ICD9:404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified
ICD9:404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified
ICD9:404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease
ICD9:404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease
ICD9:405	Secondary hypertension
ICD9:405.0	Malignant secondary hypertension
ICD9:405.01	Malignant renovascular hypertension
ICD9:405.09	Other malignant secondary hypertension
ICD9:405.1	Benign secondary hypertension
ICD9:405.11	Benign renovascular hypertension
ICD9:405.19	Other benign secondary hypertension
ICD9:405.9	Unspecified secondary hypertension
ICD9:405.91	Unspecified renovascular hypertension
ICD9:405.99	Other unspecified secondary hypertension

Appendix 2: Diabetes ICD diagnostic codes

ICD Code	Code Description
ICD9:250	Diabetes mellitus
ICD9:250.2	Diabetes mellitus with hyperosmolarity
ICD9:250.9	Diabetes with unspecified complication
ICD9:250.8	Diabetes with other specified manifestations
ICD9:250.0	Diabetes mellitus without mention of complication
ICD9:250.1	Diabetes with ketoacidosis
ICD9:250.3	Diabetes with other coma
ICD9:250.4	Diabetes with renal manifestations
ICD9:250.5	Diabetes with ophthalmic manifestations
ICD9:250.7	Diabetes with peripheral circulatory disorders
ICD9:250.6	Diabetes with neurological manifestations
ICD9:250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled
ICD9:250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled
ICD9:250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled
ICD9:250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled
ICD9:250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled
ICD9:250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled
ICD9:250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled
ICD9:250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled
ICD9:250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled
ICD9:250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled
ICD9:250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled
ICD9:250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled
ICD9:250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled
ICD9:250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled
ICD9:250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled
ICD9:250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled
ICD9:250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled
ICD9:250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled
ICD9:250.32	Diabetes with other coma, type II or unspecified type, uncontrolled
ICD9:250.33	Diabetes with other coma, type I [juvenile type], uncontrolled
ICD9:250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled
ICD9:250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled
ICD9:250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled

ICD9:250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled
ICD9:250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled
ICD9:250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled
ICD9:250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled
ICD9:250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled
ICD9:250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled
ICD9:250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled
ICD9:250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled
ICD9:250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled
ICD9:250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled
ICD9:250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled
ICD9:250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled
ICD9:250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled
ICD9:250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled
ICD9:250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled
ICD9:250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled
ICD9:250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled