

## Appendix 1 (as supplied by the authors): Codes Used for Analysis

Codes Used to Identify Use of Insulin	
NDC Number	Generic Name
00169330312	insulin aspart, recombinant
00169633910	insulin aspart, recombinant
00169750111	insulin aspart, recombinant
54868277700	insulin aspart, recombinant
54868605400	insulin aspart, recombinant
00169368213	insulin aspart/insulin aspart protamine
00169368512	insulin aspart/insulin aspart protamine
00169369619	insulin aspart/insulin aspart protamine
54868520100	insulin aspart/insulin aspart protamine
54868532700	insulin aspart/insulin aspart protamine
00169368712	insulin detemir
00169643910	insulin detemir
54868011200	insulin detemir
54868588300	insulin detemir
00088221905	insulin glargine, recombinant
00088222033	insulin glargine, recombinant
00088222052	insulin glargine, recombinant
00088222060	insulin glargine, recombinant
49999099410	insulin glargine, recombinant
54569560500	insulin glargine, recombinant
54868462600	insulin glargine, recombinant
54868576500	insulin glargine, recombinant
55045368501	insulin glargine, recombinant
68115083910	insulin glargine, recombinant
00088250033	insulin glulisine
00088250052	insulin glulisine
00088250205	insulin glulisine
00002831501	insulin human isophane (nph)
00002831517	insulin human isophane (nph)
00002831591	insulin human isophane (nph)
00002831759	insulin human isophane (nph)
00002873059	insulin human isophane (nph)
00003183410	insulin human isophane (nph)
00169004571	insulin human isophane (nph)
00169022201	insulin human isophane (nph)
00169033301	insulin human isophane (nph)
00169183411	insulin human isophane (nph)
00169183417	insulin human isophane (nph)
00169183418	insulin human isophane (nph)
00169231421	insulin human isophane (nph)
00169347418	insulin human isophane (nph)

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00403296118	insulin human isophane (nph)
54569231800	insulin human isophane (nph)
54569231801	insulin human isophane (nph)
54569383500	insulin human isophane (nph)
54569383501	insulin human isophane (nph)
54569383502	insulin human isophane (nph)
54868142901	insulin human isophane (nph)
54868238001	insulin human isophane (nph)
58016478801	insulin human isophane (nph)
59060183402	insulin human isophane (nph)
59060231404	insulin human isophane (nph)
68115072905	insulin human isophane (nph)
68258898501	insulin human isophane (nph)
68258898601	insulin human isophane (nph)
00002871501	insulin human isophane (nph)/insulin human regular
00002871591	insulin human isophane (nph)/insulin human regular
00002871759	insulin human isophane (nph)/insulin human regular
00002877059	insulin human isophane (nph)/insulin human regular
00002951501	insulin human isophane (nph)/insulin human regular
00003183710	insulin human isophane (nph)/insulin human regular
00169001771	insulin human isophane (nph)/insulin human regular
00169183711	insulin human isophane (nph)/insulin human regular
00169183717	insulin human isophane (nph)/insulin human regular
00169183718	insulin human isophane (nph)/insulin human regular
00169231721	insulin human isophane (nph)/insulin human regular
00169347718	insulin human isophane (nph)/insulin human regular
49999099310	insulin human isophane (nph)/insulin human regular
54569291800	insulin human isophane (nph)/insulin human regular
54569291801	insulin human isophane (nph)/insulin human regular
54569291802	insulin human isophane (nph)/insulin human regular
54569346700	insulin human isophane (nph)/insulin human regular
54569346701	insulin human isophane (nph)/insulin human regular
54868274600	insulin human isophane (nph)/insulin human regular
54868347400	insulin human isophane (nph)/insulin human regular
54868582400	insulin human isophane (nph)/insulin human regular
55045350801	insulin human isophane (nph)/insulin human regular
55045362401	insulin human isophane (nph)/insulin human regular
59060183702	insulin human isophane (nph)/insulin human regular
59060231704	insulin human isophane (nph)/insulin human regular
00002821501	insulin human regular
00002821517	insulin human regular
00002821591	insulin human regular
00002821759	insulin human regular
00002850101	insulin human regular
00003183310	insulin human regular

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00003183315	insulin human regular
00003183415	insulin human regular
00003183715	insulin human regular
00169004471	insulin human regular
00169183311	insulin human regular
00169183317	insulin human regular
00169183318	insulin human regular
00169231321	insulin human regular
00169347318	insulin human regular
00403344918	insulin human regular
23490668700	insulin human regular
54569231900	insulin human regular
54569231901	insulin human regular
54569383300	insulin human regular
54569383301	insulin human regular
54569383302	insulin human regular
54868359800	insulin human regular
54868361900	insulin human regular
55045350601	insulin human regular
59060183302	insulin human regular
68115070905	insulin human regular
68115072810	insulin human regular
00002821601	insulin human regular, buffered
00169007011	insulin human regular, buffered
00002751001	insulin lispro, recombinant
00002751017	insulin lispro, recombinant
00002751559	insulin lispro, recombinant
00002751659	insulin lispro, recombinant
00002872559	insulin lispro, recombinant
00002879959	insulin lispro, recombinant
35356010200	insulin lispro, recombinant
54868510800	insulin lispro, recombinant
54868583600	insulin lispro, recombinant
54868589900	insulin lispro, recombinant
66143751005	insulin lispro, recombinant
68115074610	insulin lispro, recombinant
00002751101	insulin lispro/insulin lispro protamine
00002751201	insulin lispro/insulin lispro protamine
00002879359	insulin lispro/insulin lispro protamine
00002879459	insulin lispro/insulin lispro protamine
00002879759	insulin lispro/insulin lispro protamine
00002879859	insulin lispro/insulin lispro protamine
54569532100	insulin lispro/insulin lispro protamine
54868438100	insulin lispro/insulin lispro protamine
00169011101	insulin, human regular buffered

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00169750111	NOVOLOG 100/MLVIANOVN
08290328438	INSULIN SYRI31GX5/SYNBD D
08290328440	INSULIN SYRI31GX5/SYNBD D
<b>HCPCS code</b>	<b>Description</b>
X6366	INSULIN INJ/BEEF/PORK/PANCREAS
S8490	Insulin syringes (100 syringes, any size)
A4230	Infusion set for external insulin pump, non-needle cannula type
A4231	Infusion set for external insulin pump, needle type
A4232	Syringe with needle for external insulin pump, sterile, 3cc
A9274	External ambulatory insulin delivery system, disposable, each, includes all supplies and accessories
E0784	External ambulatory infusion pump, insulin
J1815	Injection, insulin, per 5 units
J1817	Insulin for administration through DME (i.e., insulin pump) per 50 units
S5550	Insulin, rapid onset, 5 units
S5551	Insulin, most rapid onset (Lispro or Aspart); 5 units
S5552	Insulin, intermediate acting (NPH or LENTE); 5 units
S5553	Insulin, long acting; 5 units
S5560	Insulin delivery device, reusable pen; 1.5 ml size
S5561	Insulin delivery device, reusable pen; 3 ml size
S5565	Insulin cartridge for use in insulin delivery device other than pump; 150 units
S5566	Insulin cartridge for use in insulin delivery device other than pump; 300 units
S5570	Insulin delivery device, disposable pen (including insulin); 1.5 ml size
S5571	Insulin delivery device, disposable pen (including insulin); 3 ml size
S9145	Insulin pump initiation, instruction in initial use of pump (pump not included)
<b>Codes Used to Identify Use of an Insulin Pump</b>	
<b>NDC Number</b>	<b>Trade name</b>
61058602833	DELTEC COZMO CLEO INFUSION SET
61058602834	
61058602835	
61058602839	
61058602840	
61058602841	
65781439602	INSET 30 INFUSION SET
65781036102	INSET INFUSION SET
65781136102	
8521307010	INSULIN PUMP RESERVOIR
76300050001	MEDTRONIC REMOTE CONTROL
76300039010	MINIMED
76300039110	
76300039210	
76300039310	
76300039501	
76300039610	

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76300039710	
76300039810	
76300039910	
76300010310	MINIMED RESERVOIR
76300010324	
76300092110	MIO INFUSION SET
76300092310	
76300092510	
76300094110	
76300094310	
76300094510	
76300096510	
76300097510	
76300032610	PARADIGM
76300032620	
76300033210	
76300031221	PARADIGM INFUSION
76300031222	
76300012201	PARADIGM INSULIN PUMP PATHWAY
76300022201	
76300052201	
8290333200	PARADIGM LINK BLOOD GLUCOSE
8290333201	
8290333202	
8290333203	
76300001701	PARADIGM REAL-TIME
76300050301	PARADIGM REMOTE CONTROL
76300036810	PARADIGM SILHOUETTE
76300038110	
76300038210	
76300038310	
76300038410	
76300031512	QUICK RELEASE SOFT TEFLON
76300031612	
8189609000	QUICK-CHECK FILM
57565006090	
8189608000	QUICK-CHECK II
57565006080	
8189607000	QUICK-CHECK ONE
57565006070	

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76300038610	QUICK-SET PARADIGM
76300038710	
76300039410	
76300036910	SILHOUETTE
76300037010	
76300037110	
76300037205	
76300037310	
76300037405	
76300037410	
76300037710	
76300037810	
76300037905	
76300037910	
76300038005	
76300038010	
76300038501	SIL-SERTER
76300000211	SOF-SENSOR
76300000214	
76300030001	SOF-SERTER
76300011124	SOF-SET
76300011224	
76300031712	
76300031812	
76300032412	
76300032512	
76300032012	SOF-SET MICRO
76300032112	
50924058001	SOFT TOUCH
50924058510	
50924093720	
50924095120	
75537000580	
75537000585	
75537000937	
75537009512	
76300084010	SURE-T
76300087210	
76300086210	SURE-T PARADIGM
76300086410	

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76300086610	
76300087410	
76300087610	
76300088610	
<b>HCPCS Codes</b>	<b>Description</b>
A4221	Supplies for maintenance of drug infusion catheter, per week (list drug separately)
A4222	Infusion supplies for external drug infusion pump, per cassette or bag (list drugs separately)
A4230	Infusion set for external insulin pump, non-needle cannula type
A4231	Infusion set for external insulin pump, needle type
A4232	Syringe with needle for external insulin pump, sterile, 3cc
A4601	Lithium ion battery for non-prosthetic use, replacement
A6257	Transparent film, sterile, 16 sq. in. or less, each dressing
A6258	Transparent film, sterile, more than 16 sq. in. but less than or equal to 48 sq. in., each dressing
A6259	Transparent film, sterile, more than 48 sq. in., each dressing
A9274	External ambulatory insulin delivery system, disposable, each, includes all supplies and accessories
E0784	External ambulatory infusion pump, insulin
J1817	Insulin for administration through DME (i.e., insulin pump) per 50 units
K0601	Replacement battery for external infusion pump
K0602	Replacement battery for external infusion pump
K0603	Replacement battery for external infusion pump
K0604	Replacement battery for external infusion pump
K0605	Replacement battery for external infusion pump
K0552	Supplies for external drug infusion pump, syringe type cartridge, sterile, each
S9145	Insulin pump initiation, instruction in initial use of pump (pump not included)
S9353	Home infusion therapy, continuous insulin infusion therapy; administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem
<b>Codes Used to Identify Oral Hypoglycemic Use in Ontario</b>	
Drug Identification Code	Generic drug name
00009806	METFORMIN HCL
00012556	CHLORPROPAMIDE
00012564	CHLORPROPAMIDE
00012599	GLYBURIDE
00012602	TOLBUTAMIDE
00012610	TOLBUTAMIDE
00013730	CHLORPROPAMIDE
00013889	TOLBUTAMIDE
00015598	ACETOHEXAMIDE
00017167	TOLBUTAMIDE
00021350	CHLORPROPAMIDE
00021849	TOLBUTAMIDE
00024708	CHLORPROPAMIDE
00024716	CHLORPROPAMIDE
00093033	TOLBUTAMIDE

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00156663	TOLBUTAMIDE
00156728	CHLORPROPAMIDE
00178543	TOLBUTAMIDE
00193662	GLYBURIDE
00209872	TOLBUTAMIDE
00209937	CHLORPROPAMIDE
00237000	TOLBUTAMIDE
00244449	GLYBURIDE
00247111	CHLORPROPAMIDE
00271330	CHLORPROPAMIDE
00309265	CHLORPROPAMIDE
00312711	CHLORPROPAMIDE
00312762	TOLBUTAMIDE
00314552	METFORMIN HCL
00314730	TOLBUTAMIDE
00324361	TOLBUTAMIDE
00377937	CHLORPROPAMIDE
00379948	CHLORPROPAMIDE
00399302	CHLORPROPAMIDE
00420336	GLYBURIDE
00430986	CHLORPROPAMIDE
00431168	TOLBUTAMIDE
00438111	GLYBURIDE
00454753	GLYBURIDE
00480290	GLYBURIDE
00480304	GLYBURIDE
00502391	TOLBUTAMIDE
00584932	CHLORPROPAMIDE
00586773	CHLORPROPAMIDE
00720933	GLYBURIDE
00720941	GLYBURIDE
00765966	GLICLAZIDE
00765996	GLICLAZIDE
00808733	GLYBURIDE
00808741	GLYBURIDE
00813176	GLICLAZIDE
00913662	GLYBURIDE
00913670	GLYBURIDE
00913689	GLYBURIDE
00990329	METFORMIN HCL
01900927	GLYBURIDE
01900935	GLYBURIDE
01913654	GLYBURIDE
01913662	GLYBURIDE
01913670	GLYBURIDE
01913689	GLYBURIDE

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01959352	GLYBURIDE
01959360	GLYBURIDE
01987534	GLYBURIDE
01987542	TOLBUTAMIDE
01987828	TOLBUTAMIDE
01987836	GLYBURIDE
01990837	GLYBURIDE
01990845	GLYBURIDE
02020734	GLYBURIDE
02020742	GLYBURIDE
02045710	METFORMIN HCL
02084341	GLYBURIDE
02085887	GLYBURIDE
02099233	METFORMIN HCL
02147521	GLYBURIDE
02147548	GLYBURIDE
02148765	METFORMIN
02155850	GLICLAZIDE
02162822	METFORMIN HCL
02162849	METFORMIN HCL
02167786	METFORMIN HCL
02188902	METFORMIN HCL
02190885	ACARBOSE
02190893	ACARBOSE
02220628	METFORMIN HCL
02223562	METFORMIN HCL
02224550	GLYBURIDE
02224569	GLYBURIDE
02224771	TOLBUTAMIDE
02224798	TOLBUTAMIDE
02226804	GLYBURIDE
02226812	GLYBURIDE
02228920	GLYBURIDE
02228939	GLYBURIDE
02229516	METFORMIN HCL
02229517	METFORMIN HCL
02229519	GLICLAZIDE
02229595	GLYBURIDE
02229596	GLYBURIDE
02229656	METFORMIN
02229785	METFORMIN HCL
02229994	METFORMIN HCL
02230026	METFORMIN HCL
02230027	METFORMIN HCL
02230036	GLYBURIDE
02230037	GLYBURIDE

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02230443	GLIPIZIDE
02230444	GLIPIZIDE
02230475	METFORMIN HCL
02230670	METFORMIN HCL
02230671	METFORMIN HCL
02231058	METFORMIN HCL
02231095	TROGLITAZONE
02231096	TROGLITAZONE
02231389	METFORMIN HCL
02233999	METFORMIN HCL
02234513	GLYBURIDE
02234514	GLYBURIDE
02236543	GLYBURIDE
02236548	GLYBURIDE
02236733	GLYBURIDE
02236734	GLYBURIDE
02236985	TROGLITAZONE
02236986	TROGLITAZONE
02237531	TROGLITAZONE
02238103	GLICLAZIDE
02238698	TROGLITAZONE
02238827	METFORMIN HCL
02239081	METFORMIN HCL
02239214	METFORMIN HCL
02239924	REPAGLINIDE
02239925	REPAGLINIDE
02239926	REPAGLINIDE
02241111	ROSIGLITAZONE MALEATE
02241112	ROSIGLITAZONE MALEATE
02241113	ROSIGLITAZONE MALEATE
02241114	ROSIGLITAZONE MALEATE
02242095	GLYBURIDE
02242096	GLYBURIDE
02242572	PIOGLITAZONE HCL
02242573	PIOGLITAZONE HCL
02242574	PIOGLITAZONE HCL
02242589	METFORMIN HCL
02242726	METFORMIN HCL
02242783	METFORMIN HCL
02242793	METFORMIN HCL
02242794	METFORMIN HCL
02242931	METFORMIN HCL
02242974	METFORMIN HCL
02242987	GLICLAZIDE
02245247	GLICLAZIDE
02245272	GLIMEPIRIDE

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02245273	GLIMEPIRIDE
02245274	GLIMEPIRIDE
02245438	NATEGLINIDE
02245439	NATEGLINIDE
02245440	NATEGLINIDE
02246613	METFORMIN HCL
02246614	METFORMIN HCL
02246820	METFORMIN HCL
02246821	METFORMIN HCL
02246964	METFORMIN HCL
02246965	METFORMIN HCL
02247085	METFORMIN HCL & ROSIGLITAZONE MALEATE
02247086	METFORMIN HCL & ROSIGLITAZONE MALEATE
02247087	METFORMIN HCL & ROSIGLITAZONE MALEATE
02248008	GLYBURIDE
02248009	GLYBURIDE
02248210	GLICLAZIDE
02248440	METFORMIN HCL & ROSIGLITAZONE MALEATE
02248441	METFORMIN HCL & ROSIGLITAZONE MALEATE
02248453	GLICLAZIDE
02252945	METFORMIN HCL
02252953	METFORMIN HCL
02254719	GLICLAZIDE
02257726	METFORMIN HCL
02257734	METFORMIN HCL
02258781	GLIMEPIRIDE & ROSIGLITAZONE MALEATE
02258803	GLIMEPIRIDE & ROSIGLITAZONE MALEATE
02258811	GLIMEPIRIDE & ROSIGLITAZONE MALEATE
02265575	METFORMIN HCL
02265583	METFORMIN HCL
02268493	METFORMIN HCL
02268507	METFORMIN HCL
02269031	METFORMIN HCL
02269058	METFORMIN HCL
02269589	GLIMEPIRIDE
02269597	GLIMEPIRIDE
02269600	GLIMEPIRIDE
02269619	GLIMEPIRIDE
02273101	GLIMEPIRIDE
02273128	GLIMEPIRIDE
02273136	GLIMEPIRIDE
02273756	GLIMEPIRIDE
02273764	GLIMEPIRIDE
02273772	GLIMEPIRIDE
02274248	GLIMEPIRIDE
02274256	GLIMEPIRIDE

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02274264	GLIMEPIRIDE
02274272	GLIMEPIRIDE
02274914	PIOGLITAZONE HCL
02274922	PIOGLITAZONE HCL
02274930	PIOGLITAZONE HCL
02279061	GLIMEPIRIDE
02279088	GLIMEPIRIDE
02279126	GLIMEPIRIDE
02284545	GLIMEPIRIDE
02284553	GLIMEPIRIDE
02284782	METFORMIN HCL
02284790	METFORMIN HCL
02286149	GLYBURIDE
02286157	GLYBURIDE
02287072	GLICLAZIDE
02293862	GLICLAZIDE
02294400	GLICLAZIDE
02295377	GLIMEPIRIDE
02295385	GLIMEPIRIDE
02295393	GLIMEPIRIDE
02297795	GLICLAZIDE
02297906	PIOGLITAZONE HCL
02297914	PIOGLITAZONE HCL
02297922	PIOGLITAZONE HCL
02298279	PIOGLITAZONE HCL
02298287	PIOGLITAZONE HCL
02298295	PIOGLITAZONE HCL
02300451	METFORMIN HCL
02301423	PIOGLITAZONE HCL
02301431	PIOGLITAZONE HCL
02301458	PIOGLITAZONE HCL
02302861	PIOGLITAZONE HCL
02302888	PIOGLITAZONE HCL
02302896	PIOGLITAZONE HCL
02302942	PIOGLITAZONE HCL
02302950	PIOGLITAZONE HCL
02302977	PIOGLITAZONE HCL
02303124	PIOGLITAZONE HCL
02303132	PIOGLITAZONE HCL
02303140	PIOGLITAZONE HCL
02303442	PIOGLITAZONE HCL
02303450	PIOGLITAZONE HCL
02303469	PIOGLITAZONE HCL
02303922	SITAGLIPTIN PHOSPHATE
02305062	METFORMIN HCL
02306166	ROSIGLITAZONE MALEATE

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02306174	ROSIGLITAZONE MALEATE
02306182	ROSIGLITAZONE MALEATE
02307634	PIOGLITAZONE HCL
02307642	PIOGLITAZONE HCL
02307650	PIOGLITAZONE HCL
02307669	PIOGLITAZONE HCL
02307677	PIOGLITAZONE HCL
02307723	PIOGLITAZONE HCL
02312050	PIOGLITAZONE HCL
02312069	PIOGLITAZONE HCL
02312077	PIOGLITAZONE HCL
02313596	GLIMEPIRIDE
02314894	METFORMIN HCL
02314908	METFORMIN HCL
02316544	GLYBURIDE
02320754	PIOGLITAZONE HCL
02320762	PIOGLITAZONE HCL
02320770	PIOGLITAZONE HCL
02321475	REPAGLINIDE HCL
02321483	REPAGLINIDE HCL
02321491	REPAGLINIDE HCL
02326329	ROSIGLITAZONE MALEATE
02326337	ROSIGLITAZONE MALEATE
02326345	ROSIGLITAZONE MALEATE
02326477	PIOGLITAZONE HCL
02326485	PIOGLITAZONE HCL
02326493	PIOGLITAZONE HCL
02331519	METFORMIN HCL
02331527	METFORMIN HCL
02333554	SAXAGLIPTIN HCL
02333856	METFORMIN HCL & SITAGLIPTIN PHOSPHATE
02333864	METFORMIN HCL & SITAGLIPTIN PHOSPHATE
02333872	METFORMIN HCL & SITAGLIPTIN PHOSPHATE
02334437	METFORMIN HCL
02334445	METFORMIN HCL
02334674	PIOGLITAZONE HCL
02334682	PIOGLITAZONE HCL
02334690	PIOGLITAZONE HCL
02336316	GLICLAZIDE
02339110	METFORMIN HCL
02339129	METFORMIN HCL
02339587	PIOGLITAZONE HCL
02339595	PIOGLITAZONE HCL
02339676	PIOGLITAZONE HCL
02339684	PIOGLITAZONE HCL
02339692	PIOGLITAZONE HCL

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02340763	GLYBURIDE
02340771	GLYBURIDE
02341522	METFORMIN HCL
02341603	METFORMIN HCL
02343606	METFORMIN HCL
02343614	METFORMIN HCL
02345366	PIOGLITAZONE HCL
02345374	PIOGLITAZONE HCL
02345382	PIOGLITAZONE HCL
02345854	GLYBURIDE
02345862	GLYBURIDE
02348578	GLICLAZIDE
02350289	METFORMIN HCL
02350300	METFORMIN HCL
02350459	GLYBURIDE
02350467	GLYBURIDE
02353377	METFORMIN HCL
02353385	METFORMIN HCL
02354144	ROSIGLITAZONE MALEATE
02354152	ROSIGLITAZONE MALEATE
02354160	ROSIGLITAZONE MALEATE
02354349	ROSIGLITAZONE MALEATE
02354357	ROSIGLITAZONE MALEATE
02354365	ROSIGLITAZONE MALEATE
02354926	REPAGLINIDE
02354934	REPAGLINIDE
02354942	REPAGLINIDE
02355663	REPAGLINIDE
02355671	REPAGLINIDE
02355698	REPAGLINIDE
02356422	GLICLAZIDE
02357453	REPAGLINIDE
02357461	REPAGLINIDE
02357488	REPAGLINIDE
02357887	ROSIGLITAZONE MALEATE & METFORMIN HCL
02357895	ROSIGLITAZONE MALEATE & METFORMIN HCL
02357909	ROSIGLITAZONE MALEATE & METFORMIN HCL
02357917	ROSIGLITAZONE MALEATE & METFORMIN HCL
02357925	ROSIGLITAZONE MALEATE & METFORMIN HCL
02361264	METFORMIN HCL
02361272	METFORMIN HCL
02363232	PIOGLITAZONE HCL
02363240	PIOGLITAZONE HCL
02363259	PIOGLITAZONE HCL
02363518	GLICLAZIDE
02363704	GLYBURIDE

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02363712	GLYBURIDE
02364506	METFORMIN HCL
02364514	METFORMIN HCL
02365286	METFORMIN HCL
02365294	METFORMIN HCL
02365529	PIOGLITAZONE HCL
02365537	PIOGLITAZONE HCL
02366347	REPAGLINIDE
02366355	REPAGLINIDE
02366363	REPAGLINIDE
02373270	REPAGLINIDE
02373289	REPAGLINIDE
02373297	REPAGLINIDE
02374013	PIOGLITAZONE HCL
02374021	PIOGLITAZONE HCL
02374048	PIOGLITAZONE HCL
02374587	PIOGLITAZONE HCL
02374595	PIOGLITAZONE HCL
02375842	SAXAGLIPTIN HCL
02375850	PIOGLITAZONE HCL
02375869	PIOGLITAZONE HCL
02375877	PIOGLITAZONE HCL
02378043	METFORMIN HCL
02378051	METFORMIN HCL
02378116	METFORMIN HCL
02378124	METFORMIN HCL
02378620	METFORMIN HCL
02378639	METFORMIN HCL
02378841	METFORMIN HCL
02378868	METFORMIN HCL
02379767	METFORMIN HCL
02379775	METFORMIN HCL
02380196	METFORMIN HCL
02380218	METFORMIN HCL
02380722	METFORMIN HCL
02380730	METFORMIN HCL
02384906	PIOGLITAZONE HCL
02384914	PIOGLITAZONE HCL
02384922	PIOGLITAZONE HCL
02385341	METFORMIN HCL
02385368	METFORMIN HCL
02388766	METFORMIN HCL
02388774	METFORMIN HCL
02388839	SITAGLIPTIN PHOSPHATE
02388847	SITAGLIPTIN PHOSPHATE
02391600	PIOGLITAZONE HCL

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02397307	PIOGLITAZONE HCL
02415968	REPAGLINIDE
02415976	REPAGLINIDE HCL
02415984	REPAGLINIDE HCL
02416794	METFORMIN HCL & SITAGLIPTIN PHOSPHATE
22022429	METFORMIN HCL
22297850	METFORMIN HCL
22399260	REPAGLINIDE
25022429	METFORMIN HCL
49012599	GLYBURIDE
81913662	GLYBURIDE
82148765	METFORMIN
82167786	METFORMIN HCL
99100755	METFORMIN HCL
<b>Codes Used to Identify Oral Hypoglycemic Use in CCS</b>	
NDC	Generic Drug Name
00093725401	GLIMEPIRIDE 1 MG TABTEVA
00093725501	GLIMEPIRIDE 2 MG TABTEVA
00093725601	GLIMEPIRIDE 4 MG TABTEVA
00781504601	GLIMEPIRIDE 2 MG TABSAND
16729000201	GLIMEPIRIDE 2 MG TABACCO
16729000301	GLIMEPIRIDE 4 MG TABACCO
45802077078	GLIMEPIRIDE 1 MG TABPERR
45802082278	GLIMEPIRIDE 2 MG TABPERR
45802094778	GLIMEPIRIDE 4 MG TABPERR
55111032001	GLIMEPIRIDE 1 MG TABDR.R
55111032101	GLIMEPIRIDE 2 MG TABDR.R
55111032105	GLIMEPIRIDE 2 MG TABDR.R
55111032201	GLIMEPIRIDE 4 MG TABDR.R
55111032205	GLIMEPIRIDE 4 MG TABDR.R
63304042501	GLIMEPIRIDE 1 MG TABRANB
66993016302	GLIMEPIRIDE 2 MG TABPRAS
66993016402	GLIMEPIRIDE 4 MG TABPRAS
60505014201	GLIPIZIDE 10 MG TABAPOT
00172365070	GLIPIZIDE 10 MG TABIVAX
00378111001	GLIPIZIDE 10 MG TABMYLA
00378111005	GLIPIZIDE 10 MG TABMYLA
00781145301	GLIPIZIDE 10 MG TABSAND
00781145310	GLIPIZIDE 10 MG TABSAND
00591046105	GLIPIZIDE 10 MG TABWATS
00591046110	GLIPIZIDE 10 MG TABWATS
59762503101	GLIPIZIDE 2.5 MGTABGRN1
00591090030	GLIPIZIDE 2.5 MGTABWATS
60505014102	GLIPIZIDE 5 MG TABAPOT
00172364960	GLIPIZIDE 5 MG TABIVAX
68645015054	GLIPIZIDE 5 MG TABLEGA

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00378110501	GLIPIZIDE 5 MG TABMYLA
00378110505	GLIPIZIDE 5 MG TABMYLA
00781145201	GLIPIZIDE 5 MG TABSAND
00781145210	GLIPIZIDE 5 MG TABSAND
00591046001	GLIPIZIDE 5 MG TABWATS
00591046005	GLIPIZIDE 5 MG TABWATS
00591046010	GLIPIZIDE 5 MG TABWATS
00591084401	GLIPIZIDE 5 MG TABWATS
00228275211	GLYBMETFORHC2.5-50TABACTA
00228275250	GLYBMETFORHC2.5-50TABACTA
00228275350	GLYBMETFORHC5 MG-5TABACTA
00093571201	GLYBMETFORHC5 MG-5TABTEVA
00093571205	GLYBMETFORHC5 MG-5TABTEVA
64720012410	GLYBURIDE 2.5 MGTABCORE
00781114601	GLYBURIDE 2.5 MGTABSAND
00093834301	GLYBURIDE 2.5 MGTABTEVA
00093834310	GLYBURIDE 2.5 MGTABTEVA
00093943305	GLYBURIDE 2.5 MGTABTEVA
64720012510	GLYBURIDE 5 MG TABCORE
64720012511	GLYBURIDE 5 MG TABCORE
59762372707	GLYBURIDE 5 MG TABGRN1
68645021154	GLYBURIDE 5 MG TABLEGA
00781119101	GLYBURIDE 5 MG TABSAND
00781119110	GLYBURIDE 5 MG TABSAND
00093834401	GLYBURIDE 5 MG TABTEVA
00093834410	GLYBURIDE 5 MG TABTEVA
00093936401	GLYBURIDE 5 MG TABTEVA
00093936405	GLYBURIDE 5 MG TABTEVA
00093936410	GLYBURIDE 5 MG TABTEVA
64720012310	GLYBURIDE1.25 MG TABCORE
00093834201	GLYBURIDE1.25 MG TABTEVA
62584025901	METFORMIN 500 MGTABAHP
53746017801	METFORMIN 500 MGTABAMNE
53746017805	METFORMIN 500 MGTABAMNE
65162017510	METFORMIN 500 MGTABAMNE
65162017511	METFORMIN 500 MGTABAMNE
65162017550	METFORMIN 500 MGTABAMNE
60505019000	METFORMIN 500 MGTABAPOT
60505019001	METFORMIN 500 MGTABAPOT
60505019008	METFORMIN 500 MGTABAPOT
60505026001	METFORMIN 500 MGTABAPOT
65862000801	METFORMIN 500 MGTABAURO
65862000805	METFORMIN 500 MGTABAURO
57664039713	METFORMIN 500 MGTABCARA
57664039718	METFORMIN 500 MGTABCARA
57664039751	METFORMIN 500 MGTABCARA

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57664039753	METFORMIN 500 MGTABCARA
57664039758	METFORMIN 500 MGTABCARA
57664039788	METFORMIN 500 MGTABCARA
00185441601	METFORMIN 500 MGTABEON
68462015905	METFORMIN 500 MGTABGLEN
68462015910	METFORMIN 500 MGTABGLEN
00172433160	METFORMIN 500 MGTABIVAX
00172433180	METFORMIN 500 MGTABIVAX
68645012059	METFORMIN 500 MGTABLEGA
00904563461	METFORMIN 500 MGTABMAJO
00904584980	METFORMIN 500 MGTABMAJO
53489046705	METFORMIN 500 MGTABMUTU
53489046710	METFORMIN 500 MGTABMUTU
00378023405	METFORMIN 500 MGTABMYLA
00378035205	METFORMIN 500 MGTABMYLA
00378718505	METFORMIN 500 MGTABMYLA
49884092101	METFORMIN 500 MGTABPAR
63304086001	METFORMIN 500 MGTABRANB
63304086005	METFORMIN 500 MGTABRANB
00781505001	METFORMIN 500 MGTABSAND
00781505005	METFORMIN 500 MGTABSAND
00781505010	METFORMIN 500 MGTABSAND
00781505061	METFORMIN 500 MGTABSAND
43547024810	METFORMIN 500 MGTABSOLC
43547024850	METFORMIN 500 MGTABSOLC
62756014201	METFORMIN 500 MGTABSUN
62756014202	METFORMIN 500 MGTABSUN
00093104801	METFORMIN 500 MGTABTEVA
00093104810	METFORMIN 500 MGTABTEVA
00093726701	METFORMIN 500 MGTABTEVA
00093726710	METFORMIN 500 MGTABTEVA
62037057101	METFORMIN 500 MGTABWATS
62037057110	METFORMIN 500 MGTABWATS
62037067401	METFORMIN 500 MGTABWATS
62037067410	METFORMIN 500 MGTABWATS
68382002801	METFORMIN 500 MGTABZYDU
68382002805	METFORMIN 500 MGTABZYDU
68382002810	METFORMIN 500 MGTABZYDU
53746017901	METFORMIN 750 MGTABAMNE
00555010702	METFORMIN 750 MGTABBAR2
62756014301	METFORMIN 750 MGTABSUN
00093721201	METFORMIN 750 MGTABTEVA
62037057701	METFORMIN 750 MGTABWATS
65162017450	METFORMIN 850 MGTABAMNE
65862000901	METFORMIN 850 MGTABAURO
65862000905	METFORMIN 850 MGTABAURO

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57664043553	METFORMIN 850 MGTABCARA
57664043558	METFORMIN 850 MGTABCARA
00185021501	METFORMIN 850 MGTABEON
68462016005	METFORMIN 850 MGTABGLEN
00172433060	METFORMIN 850 MGTABIVAX
00172433080	METFORMIN 850 MGTABIVAX
00904585040	METFORMIN 850 MGTABMAJO
00904609161	METFORMIN 850 MGTABMAJO
53489046810	METFORMIN 850 MGTABMUTU
00378718605	METFORMIN 850 MGTABMYLA
00093104901	METFORMIN 850 MGTABTEVA
00093104910	METFORMIN 850 MGTABTEVA
68382002901	METFORMIN 850 MGTABZYDU
68382002905	METFORMIN 850 MGTABZYDU
68382002910	METFORMIN 850 MGTABZYDU
65162017710	METFORMIN1000 MG TABAMNE
65162017711	METFORMIN1000 MG TABAMNE
65162017750	METFORMIN1000 MG TABAMNE
60505019200	METFORMIN1000 MG TABAPOT
60505019201	METFORMIN1000 MG TABAPOT
65862001001	METFORMIN1000 MG TABAURO
65862001005	METFORMIN1000 MG TABAURO
57664047451	METFORMIN1000 MG TABCARA
57664047453	METFORMIN1000 MG TABCARA
57664047458	METFORMIN1000 MG TABCARA
57664047488	METFORMIN1000 MG TABCARA
00185022101	METFORMIN1000 MG TABEON
68462016105	METFORMIN1000 MG TABGLEN
68462016110	METFORMIN1000 MG TABGLEN
59762432200	METFORMIN1000 MG TABGRN1
00172443260	METFORMIN1000 MG TABIVAX
00172443280	METFORMIN1000 MG TABIVAX
00904585140	METFORMIN1000 MG TABMAJO
53489046905	METFORMIN1000 MG TABMUTU
53489046910	METFORMIN1000 MG TABMUTU
00378024401	METFORMIN1000 MG TABMYLA
00378718705	METFORMIN1000 MG TABMYLA
00781505201	METFORMIN1000 MG TABSAND
00781505205	METFORMIN1000 MG TABSAND
00781505261	METFORMIN1000 MG TABSAND
43547025010	METFORMIN1000 MG TABSOLC
43547025050	METFORMIN1000 MG TABSOLC
00093721401	METFORMIN1000 MG TABTEVA
00093721410	METFORMIN1000 MG TABTEVA
00591245501	METFORMIN1000 MG TABWATS
62037067601	METFORMIN1000 MG TABWATS

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62037067610	METFORMIN1000 MG TABWATS
68382003001	METFORMIN1000 MG TABZYDU
68382003005	METFORMIN1000 MG TABZYDU
68382003010	METFORMIN1000 MG TABZYDU
00378313301	GLIPIZMETFOR5 MG-5TABMYLA
<b>Codes Used to Identify DM-Complication Hospitalizations and Emergency Visits</b>	
California	ICD-9-CM codes 250.10, 250.11, 250.12, 250.13, 250.20, 250.21, 250.22, 250.23, 250.30, 250.31, 250.32, 250.33
Ontario	ICD-10 codes E 10.0x, E 10.1x, E 10.64, E 11.0x, E 11.1x, E 11.64, E 13.0x, E 13.1x, E 13.64, E 14.0x, E 14.1x, E 14.64
<b>DM-routine visits definition in Ontario</b>	
1) visit provided by an endocrinologist, or 2) billed with a DM-preventive visit fee code [K030, K029, Q040, K045, K046], or 3) billed as a general consultation with a diagnosis code of DM by a family physician, pediatrician, or internist [ICD-9-CM code 250.xx and billing codes A005, A905, A006, A003, A004, A265, A565, A266, A263, A264, A661, A261, A262, A135, A765, A435, A136, A133, A134, A131, or A138], or 4) or having a diagnosis code for DM (ICD-9 code 250.xx) and occurring within 2 weeks of a billing claim for measurement of serum Hemoglobin A1C [OHIP fee code L093]	
<b>DM-routine visits definition in CCS</b>	
1) visit provided by an endocrinologist, or 2) for DM care (ICD-9 code 250.xx)	