

**Supplementary 2 Table. Number of drugs used during the observation period that have been reported to be associated with hypoglycemia-related hospitalization.**

Drugs with reported hypoglycemia	Total	HRH(+)	HRH(-)	P value
Abemaciclib	34	0	34	1.000
Abiraterone	1,048	29	1,019	0.002
Acebutolol	46	2	44	0.147
Acetazolamide	9,002	207	8,795	<0.001
Aciclovir	11,637	224	11,413	<0.001
Acotiamide	4,064	101	3,693	<0.001
Afatinib	344	4	340	0.823
Alendronate	26,449	526	25,923	<0.001
Alfacalcidol	41,886	1,322	40,564	<0.001
Allopurinol	46,092	1,034	45,058	<0.001
Alprazolam	11,210	202	11,008	0.004
Amantadine	5,022	129	4,893	<0.001
Amenamivir	1,291	30	1,261	0.016
Amiodarone	13,571	290	13,281	<0.001
Amitriptyline	4,785	115	4,670	<0.001
Amlodipine	219,276	4,244	215,032	<0.001
Amoxapine	874	19	855	0.091
Amoxicillin	42,277	956	41,321	<0.001
Amoxicillin/Potassium clavulanate	29,174	814	28,360	<0.001
Ampiroxicam	47	2	45	0.153
Antipyretic	18,366	562	17,804	<0.001
Apixaban	23,611	379	23,232	0.092
Aripiprazole	4,158	96	4,062	<0.001
Asenapine	635	18	617	0.012
Aspirin	190,324	3,789	186,535	<0.001
Aspirin/Lansoprazole combination	18,627	366	18,261	<0.001
Atenolol	11,298	207	11,091	0.002
Atorvastatin	96,842	1,630	95,212	<0.001

axitinib	379	8	371	0.282
Azathioprine	2,479	37	2,442	0.944
Azilsartan	46,555	940	45,615	<0.001
Azilsartan/Amlodipine combination	8,039	137	7,902	0.091
Azithromycin	20,106	569	19,537	<0.001
Baloxavir marboxil	855	17	838	0.200
Bepridil	3,374	42	3,332	0.316
Beraprost	7,924	253	7,671	<0.001
Betamethasone/d-chlorpheniramine	6,718	160	6,558	<0.001
Bexarotene	7	0	7	1.000
Bezafibrate	16,858	304	16,554	<0.001
Bisoprolol	73,538	1,184	72,354	0.001
Blonanserin	970	24	946	0.015
Brexpiprazole	150	5	145	0.072
Bromazepam	2,717	63	2,654	<0.001
Bromocriptine	340	7	333	0.360
Brotizolam	119,686	2,676	117,010	<0.001
Bucolome	692	15	677	0.151
Camostat	9,286	313	8,973	<0.001
Candesartan	55,664	1,149	54,515	<0.001
Candesartan/Amlodipine	7,522	138	7,384	0.009
Candesartan/Hydrochlorothiazide combination	3,734	88	3,646	<0.001
Capecitabine	5,783	74	5,709	0.230
Captopril	2,435	31	2,404	0.445
Carbamazepine	7,185	191	6,994	<0.001
Carteolol	5,141	172	4,969	<0.001
Carvedilol	82,184	1,839	80,345	<0.001
Cefcapene	111,743	2,667	109,076	<0.001
Cefdinir	50,583	1,144	49,439	<0.001
Cefditoren	26,060	683	25,377	<0.001
Cefteram	2,594	77	2,517	<0.001
Celecoxib	96,086	1,861	94,225	<0.001
Celiprolol	837	17	820	0.193
Cetirizine	4,072	120	3,952	<0.001

Chenpi hansatsu	1,060	30	1,030	0.001
Chlormadinone	2,224	69	2,155	<0.001
Chlorpheniramine	11,988	295	11,693	<0.001
Chlorpromazine	8,154	212	7,942	<0.001
Cibenzoline succinate	4,546	93	4,453	0.002
Ciclosporin	4,529	85	4,444	0.027
Cilostazol	54,856	1,340	53,516	<0.001
Cimetidine	4,050	73	3,977	0.085
Cinacalcet	4,917	268	4,649	<0.001
Ciprofloxacin	4,219	111	4,108	<0.001
Clarithromycin	53,288	1,378	51,910	<0.001
Clomipramine	754	14	740	0.362
Clonazepam	11,546	318	11,228	<0.001
Clopidogrel	110,705	2,182	108,523	<0.001
Cloxacolam	819	21	798	0.019
Clozapine	8	0	8	1.000
Colchicine	1,652	34	1,618	0.047
Colestimide	790	21	769	0.011
Component nutrition for liver failure	5,652	204	5,448	<0.001
Crizotinib	56	0	56	1.000
Cyproheptadine	1,446	48	1,398	<0.001
Dabigatran	7,527	113	7,414	0.853
Daclatasvir	709	11	698	0.756
Daiokanzoto	3,955	132	3,823	<0.001
Daisaikoto	218	4	214	0.568
Dantrolene	990	24	966	0.023
Deferasirox	786	16	770	0.182
Dexamethasone	40,652	805	39,847	<0.001
Diazoxide	17	5	12	<0.001
Diclofenac	173,219	3,451	169,768	<0.001
Digoxin	17,768	412	17,356	<0.001
Diltiazem	27,345	516	26,829	<0.001
Dinoprostone	204	3	201	1.000
Diphenidol	10,472	270	10,202	<0.001
Disopyramide	937	25	912	0.006

Disopyramide	2,673	53	2,620	0.032
Distigmine	13,055	396	12,659	<0.001
Disulfiram	100	9	91	<0.001
Dolutegravir	44	0	44	1.000
domperidone	51,699	1,473	50,226	<0.001
Donepezil	22,635	676	21,959	<0.001
Doxazosin	31,953	1,037	30,916	<0.001
Dried thyroide	70	4	66	0.020
Duloxetine	19,011	408	18,603	<0.001
Dutasteride	12,524	234	12,290	<0.001
Edoxaban	28,480	370	28,110	0.013
Elobixibat	2,279	58	2,221	<0.001
Emtricitabine/Tenofovir/Alafenamide	27	0	27	1.000
Enalapril	39,988	889	39,099	<0.001
Entacapone	607	11	591	0.495
Enteral nutrition	40,265	1,232	39,033	<0.001
Enzalutamide	1,338	32	1,306	0.006
Erlotinib	705	17	688	0.057
Erythromycin	862	28	834	<0.001
Escitalopram	2,810	54	2,756	0.055
Ethambutol	2,352	61	2,291	<0.001
Etizolam	52,360	1,145	51,215	<0.001
Etodolac	11,232	296	10,936	<0.001
Etretinate	507	8	499	0.852
Everolimus	823	13	810	0.771
Exemestane	898	9	889	0.329
Ezetimibe	32,302	510	31,792	0.112
Famotidine	167,773	3,378	164,395	<0.001
Faropenem	5,715	170	5,545	<0.001
febuxostat	83,669	1,878	81,791	<0.001
Fenofibrate	11,022	153	10,869	0.472
Fesoterodine	5,039	88	4,951	0.110
Flavoxate	2,536	71	2,465	<0.001
Flecainide	2,089	26	2,063	0.463
Fluconazole	7,925	157	7,768	<0.001

Flunitrazepam	41,574	989	40,585	<0.001
fluvastatin	4,864	108	4,756	<0.001
fluvoxamine	2,216	44	2,172	0.047
Forodesine	42	2	40	0.127
Fosfomycin calcium	6,189	215	5,974	<0.001
Furosemide	205,963	5,436	200,527	<0.001
Fursultiamine	6,386	196	6,390	<0.001
Gabapentin	1,058	24	1,034	0.040
Galantamine	5,054	131	4,923	<0.001
Garenoxacin	21,032	560	20,472	<0.001
Gatifloxacin	19,852	412	19,440	<0.001
Gefitinib	752	15	737	0.224
Glecaprevir/Pibrentasvir	656	15	641	0.101
Guanfacine	3	0	3	1.000
Haloperidol	63,380	1,816	61,564	<0.001
Hydrocortisone	3,069	139	2,930	<0.001
Hydroxycarbamide	888	11	877	0.676
Hydroxychloroquine	248	0	248	0.057
Imatinib	528	12	516	0.143
Imidapril	18,542	472	18,070	<0.001
Indometacin	465	8	457	0.564
Irbesartan	17,556	428	17,128	<0.001
Isoleucine, leucine, valine	11,603	351	11,252	<0.001
Isoniazid	4,229	96	4,133	<0.001
Istradefyline	555	12	543	0.212
Itraconazole	6,072	138	5,934	<0.001
L-/carbocysteine	109,406	2,654	106,752	<0.001
Lacosamide	670	17	653	0.034
Lactulose	11,248	395	10,853	<0.001
Lamotrigine	1,019	24	995	0.026
Lansoprazole	208,023	4,249	203,774	<0.001
Lansoprazole/Amoxicillin/Clarithromycin	4,838	81	4,757	0.254
Ledipasvir/Sofosbuvir	962	15	947	0.788
Leflunomide	91	1	90	1.000
Lenvatinib	799	9	790	0.555

Levetiracetam	11,351	250	11,101	<0.001
Levocarnitine	1,121	68	1,053	<0.001
Levocetirizine	18,267	362	17,905	<0.001
Levodopa/Benserazide	2,464	60	2,404	<0.001
Levodopa/Carbidopa	6,306	149	6,157	<0.001
Levodopa/Carbidopa/Entacapone	408	4	404	0.538
Levofloxacin	211,570	4,848	206,722	<0.001
Levonorgestrel Ethinylestradiol	2	0	2	1.000
Levothyroxine	27,570	756	26,814	<0.001
Linezolid	4,090	132	3,958	<0.001
Lisinopril	2,588	56	2,532	0.004
Lithium carbonate	1,443	28	1,415	0.149
Lomefloxacin	405	18	387	<0.001
Loratadine	8,953	252	8,701	<0.001
Lorazepam	7,739	164	7,575	<0.001
Lorlatinib	11	0	11	1.000
Losartan	29,435	653	28,782	<0.001
Losartan/Hydrochlorothiazide combination	7,724	188	7,536	<0.001
Loxoprofen	325,924	5,804	320,120	<0.001
Lubiprostone	33,874	1,074	32,800	<0.001
Manidipine	1,222	28	1,194	0.019
Maprotiline	726	15	711	0.213
Mecobalamin	95,795	2,080	93,715	<0.001
Memantine	10,489	312	10,177	<0.001
Mercaptopurine	201	4	197	0.547
Metenolone	975	27	948	0.002
Methadone	97	3	94	0.173
Methotrexate	7,670	112	7,558	0.956
Methylphenidate	51	3	48	0.040
Metildigoxin	5,477	103	5,374	0.014
Metoclopramide	190,201	4,297	185,904	<0.001
Metoprolol	18,245	272	17,973	0.856
Metronidazole	15,679	481	15,198	<0.001
Mianserin	5,507	143	5,364	<0.001
Miconazole	4,252	114	4,138	<0.001

Minocycline	31,040	955	30,085	<0.001
Mirabegron	19,372	331	19,041	0.007
Mirogabalin	551	11	540	0.286
Mirtazapine	7,764	165	7,599	<0.001
Mizoribine	1,668	27	1,641	0.620
Morphine	2,027	36	1,991	0.267
Mosapride	60,735	1,657	59,078	<0.001
Moxifloxacin	35,482	851	34,631	<0.001
Mycophenolate mofetil	1,369	21	1,348	0.836
Nalfurafine	5,113	235	4,878	<0.001
Nifedipine	102,650	2,579	100,071	<0.001
Nilotinib	171	6	165	0.042
Non-pyrine cold remedy	81,376	2,529	78,847	<0.001
Octotiamine, B2, B6, B12 combination	2,285	55	2,230	<0.001
Ofloxacin	61,966	1,402	60,564	<0.001
Olanzapine	2,851	44	2,807	0.764
Olmesartan	67,741	1,516	66,225	<0.001
Olmesartan/Azelnidipine combination	10,207	227	9,980	<0.001
Ombitasvir/Paritaprevir/Ritonavir	130	4	126	0.127
Omeprazole	20,705	573	20,132	<0.001
Oseltamivir	15,812	562	15,250	<0.001
Oxycodone	22,337	463	21,874	<0.001
Palbociclib	192	1	191	0.538
Paliperidone	322	5	317	0.815
Paroxetine	6,545	149	6,396	<0.001
Pazopanib	367	6	361	0.666
Pergolide	87	1	86	1.000
Perospirone	4,541	140	4,401	<0.001
Phenytoin	2,555	69	2,486	<0.001
Phytonadione	893	24	869	0.005
Picosulfate	184,432	4,039	180,393	<0.001
Pilsicainide	9,191	152	9,039	0.149
Polycarbophil calcium	5,085	177	4,908	<0.001
Pramipexole	2,742	74	2,668	<0.001
Pranlukast	7,466	197	7,269	<0.001

Precipitated calcium carbonate	18,416	846	17,570	<0.001
Prednisolone	76,792	1,465	75,327	<0.001
Pregabalin	76,756	1,502	75,254	<0.001
Probenecid	207	4	203	0.554
Promethazine	129	2	127	0.716
Propafenone	1,049	26	1,023	0.014
Propranolol	7,589	149	7,440	<0.001
Propylthiouracil	429	5	424	0.840
Prulifloxacin	1,083	35	1,048	<0.001
Pyrazinamide	782	23	759	0.002
Quetiapine	7,880	163	7,717	<0.001
Rabeprazole	89,239	1,915	87,324	<0.001
Rabeprazole/Amoxicillin/Clarithromycin	2,026	33	1,993	0.527
Raloxifene	4,333	83	425	0.017
Ramelteon	32,567	866	31,701	<0.001
Regorafenib	776	16	760	0.177
Ribavirin	1,141	21	112	0.325
Rifampicin	4,553	138	4,415	<0.001
Rifaximin	1,127	344	1,093	<0.001
Risperidone	46,477	1,487	44,990	<0.001
Ritodrine	833	6	827	0.082
Rivaroxaban	17,615	247	17,368	0.446
Ropinirole	814	25	789	0.001
Rosuvastatin	119,338	1,729	117,609	0.429
Ruxolitinib	98	1	97	1.000
Salazosulfapyridine	4,263	89	4,174	0.001
Selegiline	1,052	25	1,027	0.021
Senna leaf/Powdered senna leaf	40,308	875	39,433	<0.001
Sennoside	330,694	6,579	324,115	<0.001
Sertraline	3,568	81	3,487	<0.001
Simeprevir	193	4	189	0.375
Sitafloxacin	6,513	152	6,361	<0.001
Sodium valproate	11,447	295	11,152	<0.001
Sofosbuvir	576	12	564	0.222
Solifenacin succinate	16,438	355	16,083	<0.001



Sorafenib	1,595	51	1,544	<0.001
Sotalol	561	8	553	1.000
Sparfloxacin	2	0	2	1.000
Spherical carbon aceousad sorbent	14,685	671	14,014	<0.001
Spirolactone	87,598	2,399	85,259	<0.001
Sulfamethoxazole Trimethoprim	40,759	803	39,956	<0.001
Sulpiride	10,712	261	10,451	<0.001
Sunitinib	524	13	511	0.067
Suvorexant	42,345	1,002	41,343	<0.001
Tacrolimus	7,219	123	7,096	0.103
Tafamidis meglumine	9	0	9	1.000
Tamsulosin	36,110	792	35,318	<0.001
Tebipenem	9	0	9	1.000
Tegafur/Gimeracil/Oteracil potassium combination	18,002	434	17,568	<0.001
Telaprevir	65	1	64	0.619
Telithromycin	1	0	1	1.000
Telmisartan	71,642	1,569	70,073	<0.001
Telmisartan/Amlodipine combination	16,920	344	16,576	<0.001
Temocapril	3,564	83	3,481	<0.001
Temozolomide	435	4	431	0.428
Tenofovir	216	5	211	0.256
Terazosin	342	14	328	0.001
Terbinafine	30,878	970	29,908	<0.001
Thalidomide	152	5	147	0.076
Theophylline	14,309	369	13,940	<0.001
Thiamazole	3,807	59	3,748	0.693
Thiapride	8,836	252	8,584	<0.001
Tiopronin	126	4	122	0.117
Tipepidine	11,754	417	11,337	<0.001
Tizanidine	7,453	175	7,278	<0.001
Tofacitinib	152	0	152	0.180
Tolvaptan	34,234	1,014	33,220	<0.001
Topiramate	250	9	241	0.013
Torasemide	19,656	679	18,977	<0.001

Tosufloxacin	4,448	126	4,322	<0.001
Tramadol	24,962	528	2,434	<0.001
Tramadol/Acetaminophen combination	41,720	884	40,836	<0.001
Trandolapril	1,163	22	1,141	0.222
Trazodone	18,139	443	17,696	<0.001
Triazolam	19,895	525	19,370	<0.001
Trichlormethiazide	35,579	919	34,660	<0.001
Trilostane	8	0	8	1.000
Urapidil	13,723	408	13,315	<0.001
Ursodeoxycholic acid	63,305	1,370	61,935	<0.001
Valaciclovir	12,935	269	12,666	<0.001
Valganciclovir	1,441	25	1,416	0.387
Valsartan	46,221	1,107	45,114	<0.001
Valsartan/Amlodipine combination	8,694	157	8,537	0.011
Valsartan/Hydrochlorothiazide combination	2,635	62	2,573	<0.001
Venlafaxine	362	4	358	0.825
Verapamil	33,077	734	32,343	<0.001
Vonoprazan	69,676	1,166	68,510	<0.001
Vonoprazan/Amoxicillin/Clarithromycin	5,705	57	5,648	0.003
Voriconazole	2,871	61	2,810	0.005
Warfarin	59,123	1,256	57,867	<0.001
Zaltoprofen	3,469	91	3,378	<0.001
Zolpidem	118,870	2,713	116,157	<0.001
Zopiclone	36,302	958	35,344	<0.001
Zotepin	712	25	687	<0.001