

Table S2. The medicine codes for diabetes

medicine codes	The type of medicine for diabetes
610412056	Surfonylurea
610443002	Surfonylurea
610443003	Surfonylurea
613960002	Surfonylurea
613960003	Surfonylurea
613960008	Surfonylurea
613960017	Surfonylurea
613960026	Surfonylurea
613960027	Surfonylurea
613960028	Surfonylurea
613960038	Surfonylurea
613960039	Surfonylurea
613960078	Surfonylurea
620000048	Surfonylurea
620002031	Surfonylurea
620002032	Surfonylurea
620003159	Surfonylurea
620003160	Surfonylurea
620003947	Surfonylurea
620003948	Surfonylurea
620006030	Surfonylurea
620006890	Surfonylurea
620009209	Surfonylurea
620871601	Surfonylurea
620872002	Surfonylurea
620872003	Surfonylurea
620872004	Surfonylurea
620872009	Surfonylurea
620872016	Surfonylurea
620873202	Surfonylurea
620873301	Surfonylurea
620873402	Surfonylurea
620873702	Surfonylurea
621982701	Surfonylurea
621997001	Surfonylurea
621997101	Surfonylurea
621998701	Surfonylurea
621998801	Surfonylurea

621998901	Surfonylurea
621999001	Surfonylurea
621999301	Surfonylurea
621999401	Surfonylurea
621999701	Surfonylurea
621999801	Surfonylurea
622000601	Surfonylurea
622000701	Surfonylurea
622001701	Surfonylurea
622001801	Surfonylurea
622004701	Surfonylurea
622004801	Surfonylurea
622005501	Surfonylurea
622005601	Surfonylurea
622005802	Surfonylurea
622009802	Surfonylurea
622009901	Surfonylurea
622010001	Surfonylurea
622011401	Surfonylurea
622011501	Surfonylurea
622011601	Surfonylurea
622011701	Surfonylurea
622013401	Surfonylurea
622013501	Surfonylurea
622013601	Surfonylurea
622016001	Surfonylurea
622016101	Surfonylurea
622017301	Surfonylurea
622017401	Surfonylurea
622017501	Surfonylurea
622017901	Surfonylurea
622018001	Surfonylurea
622018802	Surfonylurea
622020903	Surfonylurea
622021003	Surfonylurea
622021801	Surfonylurea
622021901	Surfonylurea
622022001	Surfonylurea
622022101	Surfonylurea
622023501	Surfonylurea

622023601	Surfonylurea
622025201	Surfonylurea
622025301	Surfonylurea
622025801	Surfonylurea
622025901	Surfonylurea
622026501	Surfonylurea
622026601	Surfonylurea
622029901	Surfonylurea
622030001	Surfonylurea
622031401	Surfonylurea
622031501	Surfonylurea
622033001	Surfonylurea
622033101	Surfonylurea
622033201	Surfonylurea
622033701	Surfonylurea
622033801	Surfonylurea
622035701	Surfonylurea
622035801	Surfonylurea
622036002	Surfonylurea
622037901	Surfonylurea
622038001	Surfonylurea
622039901	Surfonylurea
622048401	Surfonylurea
622048501	Surfonylurea
622058801	Surfonylurea
622058901	Surfonylurea
622059002	Surfonylurea
622059102	Surfonylurea
622075601	Surfonylurea
622088301	Surfonylurea
622088401	Surfonylurea
622103201	Surfonylurea
622114701	Surfonylurea
622114801	Surfonylurea
622118501	Surfonylurea
622122201	Surfonylurea
622122301	Surfonylurea
622127301	Surfonylurea
622127401	Surfonylurea
622127501	Surfonylurea

622128101	Surfonylurea
622137701	Surfonylurea
622141101	Surfonylurea
622141302	Surfonylurea
622143402	Surfonylurea
622144001	Surfonylurea
622159301	Surfonylurea
622169102	Surfonylurea
622169301	Surfonylurea
622176301	Surfonylurea
622177501	Surfonylurea
622186201	Surfonylurea
622187301	Surfonylurea
622190001	Surfonylurea
622190801	Surfonylurea
622193301	Surfonylurea
622194901	Surfonylurea
622198001	Surfonylurea
622202201	Surfonylurea
622202801	Surfonylurea
622205101	Surfonylurea
622205501	Surfonylurea
622208901	Surfonylurea
622211501	Surfonylurea
622217701	Surfonylurea
622219701	Surfonylurea
622221001	Surfonylurea
622222001	Surfonylurea
622242001	Surfonylurea
622246801	Surfonylurea
622252501	Surfonylurea
622254701	Surfonylurea
622271101	Surfonylurea
622271201	Surfonylurea
622271301	Surfonylurea
622313200	Surfonylurea
622313300	Surfonylurea
622338501	Surfonylurea
622338601	Surfonylurea
622338701	Surfonylurea

622462501	Meglitinide
622462401	Meglitinide
620001908	Meglitinide
620001907	Meglitinide
622053601	Meglitinide
622040901	Meglitinide
622041001	Meglitinide
610432026	Meglitinide
610432027	Meglitinide
622196601	Meglitinide
622119301	Meglitinide
622230001	Meglitinide
622196701	Meglitinide
622119401	Meglitinide
622230101	Meglitinide
610432032	Meglitinide
610432033	Meglitinide
622518201	Meglitinide
622525401	Meglitinide
622515301	Meglitinide
622523401	Meglitinide
622521001	Meglitinide
622518101	Meglitinide
622525301	Meglitinide
622515201	Meglitinide
622523301	Meglitinide
622520901	Meglitinide
610406390	α -glucosidase inhibitor
620002841	α -glucosidase inhibitor
620002843	α -glucosidase inhibitor
620004045	α -glucosidase inhibitor
620004072	α -glucosidase inhibitor
620004071	α -glucosidase inhibitor
620008727	α -glucosidase inhibitor
620008726	α -glucosidase inhibitor
621665301	α -glucosidase inhibitor
621683401	α -glucosidase inhibitor
621673501	α -glucosidase inhibitor
621691201	α -glucosidase inhibitor
622090001	α -glucosidase inhibitor

621689303	α -glucosidase inhibitor
621689001	α -glucosidase inhibitor
621690402	α -glucosidase inhibitor
621690901	α -glucosidase inhibitor
621690203	α -glucosidase inhibitor
620002120	α -glucosidase inhibitor
620004069	α -glucosidase inhibitor
620005557	α -glucosidase inhibitor
620005558	α -glucosidase inhibitor
620005559	α -glucosidase inhibitor
620005560	α -glucosidase inhibitor
620005561	α -glucosidase inhibitor
620008071	α -glucosidase inhibitor
620008072	α -glucosidase inhibitor
620008073	α -glucosidase inhibitor
621953301	α -glucosidase inhibitor
621943301	α -glucosidase inhibitor
620009287	α -glucosidase inhibitor
621896502	α -glucosidase inhibitor
622008602	α -glucosidase inhibitor
620009286	α -glucosidase inhibitor
621896402	α -glucosidase inhibitor
622008502	α -glucosidase inhibitor
620009296	α -glucosidase inhibitor
620009294	α -glucosidase inhibitor
620009293	α -glucosidase inhibitor
622302301	α -glucosidase inhibitor
620009297	α -glucosidase inhibitor
621958801	α -glucosidase inhibitor
620005360	α -glucosidase inhibitor
621785002	α -glucosidase inhibitor
621942202	α -glucosidase inhibitor
620009295	α -glucosidase inhibitor
620009291	α -glucosidase inhibitor
620009289	α -glucosidase inhibitor
620009288	α -glucosidase inhibitor
622302201	α -glucosidase inhibitor
620009292	α -glucosidase inhibitor
621958701	α -glucosidase inhibitor
620005359	α -glucosidase inhibitor

621784902	α -glucosidase inhibitor
621942102	α -glucosidase inhibitor
620009290	α -glucosidase inhibitor
621937201	α -glucosidase inhibitor
621937101	α -glucosidase inhibitor
613960082	α -glucosidase inhibitor
613960081	α -glucosidase inhibitor
622053601	α -glucosidase inhibitor
622432501	α -glucosidase inhibitor
622426601	α -glucosidase inhibitor
622426701	α -glucosidase inhibitor
620003127	α -glucosidase inhibitor
620003128	α -glucosidase inhibitor
620003129	α -glucosidase inhibitor
620002121	α -glucosidase inhibitor
610406391	α -glucosidase inhibitor
621953401	α -glucosidase inhibitor
620004046	α -glucosidase inhibitor
620004070	α -glucosidase inhibitor
620005562	α -glucosidase inhibitor
620008074	α -glucosidase inhibitor
620005563	α -glucosidase inhibitor
620005564	α -glucosidase inhibitor
620005565	α -glucosidase inhibitor
620008075	α -glucosidase inhibitor
620005566	α -glucosidase inhibitor
621943401	α -glucosidase inhibitor
620008076	α -glucosidase inhibitor
620004073	α -glucosidase inhibitor
620002845	α -glucosidase inhibitor
621690303	α -glucosidase inhibitor
620008729	α -glucosidase inhibitor
620008728	α -glucosidase inhibitor
620004074	α -glucosidase inhibitor
621689403	α -glucosidase inhibitor
621689101	α -glucosidase inhibitor
621691001	α -glucosidase inhibitor
621691601	α -glucosidase inhibitor
621665401	α -glucosidase inhibitor
621683501	α -glucosidase inhibitor

620002847	α -glucosidase inhibitor
622090101	α -glucosidase inhibitor
621690502	α -glucosidase inhibitor
621673601	α -glucosidase inhibitor
622517101	biganides
622450401	biganides
622450301	biganides
620004480	biganides
620004502	biganides
620005979	biganides
610463145	biganides
621986401	biganides
621986301	biganides
610444147	biganides
621974701	biganides
622242501	biganides
622070801	biganides
621676001	biganides
620005570	biganides
622427201	biganides
622421901	biganides
622424401	biganides
622421101	biganides
622412701	biganides
622438401	biganides
622417101	biganides
622432601	biganides
622436301	biganides
622427301	biganides
622422001	biganides
622424501	biganides
622421201	biganides
622448601	biganides
622438501	biganides
622417201	biganides
622432701	biganides
622466601	biganides
621990901	thiazolidines
621991001	thiazolidines
610432040	thiazolidines

610432041	thiazolidines
622048501	thiazolidines
622048401	thiazolidines
622065301	thiazolidines
622061601	thiazolidines
622041402	thiazolidines
622155901	thiazolidines
622063201	thiazolidines
622156901	thiazolidines
622144601	thiazolidines
622167201	thiazolidines
622045401	thiazolidines
622159401	thiazolidines
622056001	thiazolidines
622147501	thiazolidines
622175601	thiazolidines
622071901	thiazolidines
622065401	thiazolidines
622061701	thiazolidines
622041502	thiazolidines
622156001	thiazolidines
622063301	thiazolidines
622157001	thiazolidines
622144701	thiazolidines
622167301	thiazolidines
622045501	thiazolidines
622159501	thiazolidines
622056101	thiazolidines
622147601	thiazolidines
622175701	thiazolidines
622072001	thiazolidines
622320800	thiazolidines
622320900	thiazolidines
622065101	thiazolidines
622042901	thiazolidines
622061401	thiazolidines
622166801	thiazolidines
622182401	thiazolidines
622041202	thiazolidines
622079101	thiazolidines

622155701	thiazolidines
622063001	thiazolidines
622066201	thiazolidines
622164301	thiazolidines
622062302	thiazolidines
622047701	thiazolidines
622049901	thiazolidines
622046801	thiazolidines
622163301	thiazolidines
622053101	thiazolidines
622081801	thiazolidines
622059201	thiazolidines
622045201	thiazolidines
622053801	thiazolidines
622055801	thiazolidines
622147301	thiazolidines
622078301	thiazolidines
622175401	thiazolidines
622071701	thiazolidines
622065201	thiazolidines
622043001	thiazolidines
622061501	thiazolidines
622166901	thiazolidines
622182501	thiazolidines
622041302	thiazolidines
622079201	thiazolidines
622155801	thiazolidines
622063101	thiazolidines
622066301	thiazolidines
622164401	thiazolidines
622062402	thiazolidines
622047801	thiazolidines
622050001	thiazolidines
622046901	thiazolidines
622163401	thiazolidines
622053201	thiazolidines
622081901	thiazolidines
622059301	thiazolidines
622045301	thiazolidines
622061001	thiazolidines

622055901	thiazolidines
622147401	thiazolidines
622078401	thiazolidines
622175501	thiazolidines
622071801	thiazolidines
621986401	thiazolidines
621986301	thiazolidines
622086101	thiazolidines
622086001	thiazolidines
621950901	dipeptidyl peptidase-4 inhibitor
621951001	dipeptidyl peptidase-4 inhibitor
621951101	dipeptidyl peptidase-4 inhibitor
621970601	dipeptidyl peptidase-4 inhibitor
621970701	dipeptidyl peptidase-4 inhibitor
621970801	dipeptidyl peptidase-4 inhibitor
621980701	dipeptidyl peptidase-4 inhibitor
621986001	dipeptidyl peptidase-4 inhibitor
621986101	dipeptidyl peptidase-4 inhibitor
621986201	dipeptidyl peptidase-4 inhibitor
622086001	dipeptidyl peptidase-4 inhibitor
622086101	dipeptidyl peptidase-4 inhibitor
622093501	dipeptidyl peptidase-4 inhibitor
622182601	dipeptidyl peptidase-4 inhibitor
622201701	dipeptidyl peptidase-4 inhibitor
622245601	dipeptidyl peptidase-4 inhibitor
622245701	dipeptidyl peptidase-4 inhibitor
622277501	dipeptidyl peptidase-4 inhibitor
622288401	dipeptidyl peptidase-4 inhibitor
622415401	dipeptidyl peptidase-4 inhibitor
622415501	dipeptidyl peptidase-4 inhibitor
622448901	dipeptidyl peptidase-4 inhibitor
622449001	dipeptidyl peptidase-4 inhibitor
622450301	dipeptidyl peptidase-4 inhibitor
622450401	dipeptidyl peptidase-4 inhibitor
622517101	dipeptidyl peptidase-4 inhibitor
622340101	sodium glucose cotransporter 2 inhibitor
622360601	sodium glucose cotransporter 2 inhibitor
622401201	sodium glucose cotransporter 2 inhibitor
622401301	sodium glucose cotransporter 2 inhibitor
622306601	sodium glucose cotransporter 2 inhibitor

622306701	sodium glucose cotransporter 2 inhibitor
622336801	sodium glucose cotransporter 2 inhibitor
622342001	sodium glucose cotransporter 2 inhibitor
622341901	sodium glucose cotransporter 2 inhibitor
622335701	sodium glucose cotransporter 2 inhibitor
622335801	sodium glucose cotransporter 2 inhibitor
621911101	rapid-acting insulin
621911301	rapid-acting insulin
621911201	rapid-acting insulin
620008895	rapid-acting insulin
621926901	rapid-acting insulin
622252701	rapid-acting insulin
620008893	rapid-acting insulin
620008894	rapid-acting insulin
620008916	rapid-acting insulin
640451027	rapid-acting insulin
620007460	rapid-acting insulin
620008897	short-acting insulin
620000265	short-acting insulin
620008909	short-acting insulin
620008907	short-acting insulin
622114401	short-acting insulin
622440701	long-acting insulin
620008945	long-acting insulin
620008943	long-acting insulin
620007536	long-acting insulin
622198901	long-acting insulin
622199001	long-acting insulin
622410901	long-acting insulin
622484801	long-acting insulin
622411001	long-acting insulin
621927001	long-acting insulin
620008952	long-acting insulin
620008953	long-acting insulin
620000266	immediate-acting insulin
620008912	immediate-acting insulin
620008910	immediate-acting insulin
622114501	immediate-acting insulin
620002441	immediate-acting insulin
620007459	immediate-acting insulin

620002439	premixed insulin
620007461	premixed insulin
620002440	premixed insulin
620007462	premixed insulin
620008915	premixed insulin
620008913	premixed insulin
622114601	premixed insulin
620000269	premixed insulin
620000448	premixed insulin
620008896	premixed insulin
621973201	premixed insulin
621973301	premixed insulin
640453023	premixed insulin
622451001	combination-acting insulin
622450901	combination-acting insulin
622038401	glucagon-like peptide-1 receptor agonist
622038301	glucagon-like peptide-1 receptor agonist
621974801	glucagon-like peptide-1 receptor agonist
622229001	glucagon-like peptide-1 receptor agonist
622406001	glucagon-like peptide-1 receptor agonist
622267001	glucagon-like peptide-1 receptor agonist
622442201	glucagon-like peptide-1 receptor agonist