

## e-Appendix 1: Read/OXMIS Codes

### Type 2 Diabetes

C109.00, C109200, C109600, 66A3.00, C109C00, C10y100, C100111, C105100, C109500, C100112, , C109000, C109300, C109400, C10z100, L180600, C109900, C104100, 66A4.00, C100100, C107100, C109B00, C107200, C109.11, C109A00, C101100, C109.12, C109100, C102100, C103100, C106100, C108900, C109700, C109.13, 250 AA, 250 AK, 250 AL, 250 AM, C109711, C109511, C109411, C109612, C109E12, C109611, C109B11, C109C11, C109H12, C109F12, C109D11, C109011, C109J00, C109E11, C109C12, C109J11, C109G00, C109212, C109112, C109712, C109H11, C109012, 66AV.00, C109412, C109D00, C109J12, C109211, C109D12, C109K00, C10F.00, C10FC00, C10FJ00, C109E00, C10FH00, C109F11, C10F600, C10F900, C10FM00, C109A11, C10FA00, C10FN00, C10FK00, C10FL00, C10FF00, C10F200, C10FE00, C10F700, C10F400, C10F000, C10F500, C10FB00, C10FQ00, C10FP00, C10FD00, C10F100, C109G11, C109G12, C10F300 , C10FG00 , C10F.11, C10FL11, C109111, C10FC11, C109911, C10FJ11, C10F011, C10F611, C10FR00, C10F711, C10F911, C10F311, C10FB11, C10F511, C10FF11

### Heart failure

3912F, G232.00, SP11111, 4270CC, 33BA.00, G1yz100, G1yz100, G582.00 , 7824BP , 7824FM, G58z.12, Q490.00 , 4270BN, 14A6.00, G580.13, G580000 , 4270D , 4271B , G580.00, G581.13, G581000, SP11100, L4271RF, 4270BD, G580100, G580200, G581.00, G580300 , 4270LW , 428 AT, 14AM.00, L09y200, L4271LF , 402 C , 428 A , 8B29.00 , 4270BT , 4270R , G580.11, G58z.00, G5y4z00, 4270DR, G58..00, G58..11, G580.12, G58z.11, Q48y100, 4270 , 4270C, 4271 , 4271H , 428 AM,7824FC, 7824FH , 4271A , 7824AC, 7824BW, 662T.00, 8HBE.00, 662W.00, 68B6.00, 1O1..00, ZRad.00, 1J60.00, 8HTL.00, 9N2p.00, 9N0k.00, 8HHb.00, 8H2S.00, 9Or..00, 8CL3.00, 8Hk0.00, 9N6T.00, 8HHz.00, 9Or0.00, 8HTI.00, 67D4.00

## e-Appendix 2: GPRD Product codes

### Acarbose

4012256, 4012255, 1084002, 1084001

### Chlorpropamide

4004450, 4004463, 4005595, 4005596, 4010412, 4010413, 4005147, 4060737,  
4002934, 3244001, 3244002

### Glibenclamide

4004516, 4005643, 4005644, 4013453, 4734001, 4009186, 4009190, 4098001,  
4066551, 4005612, 4005613, 4006610, 4082092, 4057177, 4081052, 4082093,  
4081051, 2872001, 2872002

### Gliclazide

4089529, 4085652, 4070570, 3981001, 4069149, 4092097, 3716002, 4003631,  
3716001

### Glimepiride

4074283, 4074282, 4074281, 4074284, 1550003, 1550002, 1644001, 1550001

### Glipizide

4099867, 4008361, 4008362, 4002885, 3717001, 3717002

### Gliquidone

4065680, 3719001

### Insulin

4000201, 4000205, 4000445, 4000446, 4000449, 4000452, 4000453, 4002256,  
4006704, 4008116, 4008119, 4009609, 4009610, 4009612, 4009618, 4009895,  
4009897, 4013115, 4013123, 4013124, 4013125, 4013126, 4013238, 4013239,  
4013240, 4013245, 4013288, 4013967, 4014412, 4053792, 4055647, 4056197,  
4056729, 4057117, 4057118, 4057119, 4058866, 4058867, 4058868, 4058869,  
4059796, 4060280, 4060281, 4061576, 4062212, 4067569, 4067570, 4067571,  
4067581, 4067582, 4067583, 4069721, 4072128, 4072134, 4072136, 4072924,

4073546, 4074571, 4081653, 4082011, 4082012, 4085407, 4089555, 4089556, 4091150, 4095316, 4095328, 4101281, 4114046, 4115562, 4122913, 4122915, 3510609, 3510610, 3934001, 3936001, 3937001, 3938001, 3939001, 3940001, 3941001, 3942001, 3943001, 3944001, 3945001, 3946001, 3946002, 3946003, 3947001, 3948001, 3954001, 5051001, 5677001, 7623001, 7623002, 7623003, 8241001, 8839001, 9301001, 9302001, 9302002, 9302003, 9308001, 9309001, 9310001, 9311001, 9312001, 9313001, 9314001, 9315001, 9315002, 9315003, 9316001, 9316002, 9317001, 9317002, 9317003, 9318001, 9318002, 9318003, 9620001, 9987001, 0009001, 0009002, 0111001, 0444001, 1996001, 2032001, 2032002, 2526001, 3446001, 3448001, 3450001, 3680001, 3681001, 3682001, 3683001, 3684001, 3687001, 3688001, 3689001, 3690001, 3691001, 3693001, 3694001, 3695001, 3696001, 3698001, 3699001, 3701001, 3704001, 3705001, 3708001, 3711001, 3714001, 3715001, 3716001, 3717001, 3718001, 3720001, 3721001, 3723001, 3724001, 3725001, 3727001, 3728001, 3729001, 3730001, 3731001, 3733001, 3734001, 3735001, 3736001, 3737001, 3738001, 3739001, 3740001, 3743001, 3744001, 3745001, 3746001, 3747001, 3748001, 3749001, 3750001, 3751001, 3752001, 3753001, 3754001, 3756001, 3757001, 3758001, 3759001, 3760001, 3761001, 3762001, 3763001, 3784001, 3785001, 3805001, 3806001, 3808001, 3809001, 3810001, 3811001, 3812001, 3813001, 3814001, 3815001, 3819001, 3820001, 3821001, 3822001, 3823001, 3824001, 3825001, 3826001, 3830001, 3831001, 3918001, 3919001, 3921001, 3922001, 3952001, 3953001, 3954001, 3955001, 3970001, 3971001

#### Metformin

2912001, 2912002, 4008628, 2945001, 4008629, 4103642, 4008779, 2463001, 4023931, 4023932, 4004522, 4008780, 4325001, 4085817, 4004523, 4085816, 4004668, 4079911, 4079912, 4089535, 4091467, 4091468, 4091513, 4091514, 4444001, M14445001, M14593001

#### Nateglinide

M11867001, M11867002, M11867003, 4090534, 4090535, 4090536

#### Pioglitazone

M07762002, M07762001, M12114001, 4088147, 4088146, 4109393

#### Repaglinide

M08075003, M08075002, M08075001, 4080468, 4080467, 4080444

#### Rosiglitazone

M10236002, M10236003, M10236001

Tolbutamide

4005158, M04851001,4004447, 4081066, M02890001