

Type 2 diabetes search strategies

Systematic reviews and mapping searches

The MEDLINE search strategies are presented below. They were translated for use in each of the other databases.

Review Question 1: Which pharmacological blood glucose lowering therapies should be used to control blood glucose levels in people with type 2 diabetes? July 2012

Ovid MEDLINE <1946 to July week 1 2012>

- 1 exp Diabetes Mellitus, Type 2/ (87707)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (75708)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2310)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (537)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11408)
- 6 NIDDM.tw. (6762)
- 7 or/1-6 (113512)
- 8 Dipeptidyl-Peptidase IV Inhibitors/ (1767)
- 9 (Dipeptidyl* adj2 Peptidase* adj2 ("4" or "iv") adj Inhibitor*).tw. (859)
- 10 (DPP* adj2 ("4" or "iv")).tw. (2738)
- 11 (Sitagliptin* or Januvia*).tw. (745)
- 12 (Vildagliptin* or Galvus*).tw. (443)
- 13 (Linagliptin* or Trajenta*).tw. (210)
- 14 (Saxagliptin* or Onglyza*).tw. (205)
- 15 Alogliptin*.tw. (116)
- 16 or/8-15 (3932)
- 17 Glucagon-Like Peptide 1/ (5464)
- 18 (Glucagon* adj Like adj Peptide adj "1").tw. (5553)
- 19 (GLP* adj "1").tw. (5577)
- 20 (Exenatide* or Byetta* or Bydureon*).tw. (1030)
- 21 (Liraglutide* or Victoza*).tw. (743)
- 22 (Lixisenatide* or Lyxumia*).tw. (24)

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- 23 or/17-22 (8332)
- 24 Thiazolidinediones/ (9833)
- 25 (Thiazolidinedione* or Glitazone*).tw. (4900)
- 26 (Pioglitazone* or Actos*).tw. (3375)
- 27 or/24-26 (11936)
- 28 exp Sulfonylurea Compounds/tu [Therapeutic Use] (4680)
- 29 (Sulfonylurea* or Sulphonylurea*).tw. (7488)
- 30 Tolbutamide*.tw. (4050)
- 31 Glibenclamide*.tw. (6965)
- 32 (Glipizide* or Minodiab*).tw. (828)
- 33 (Glimepiride* or Amaryl*).tw. (1166)
- 34 (Gliclazide* or Diamicron*).tw. (945)
- 35 or/28-34 (19733)
- 36 Metformin/ (7273)
- 37 (Metformin* or Glucophage*).tw. (8503)
- 38 (Competact* or Janumet* or Eucreas*).tw. (11)
- 39 Biguanides/ (2768)
- 40 Biguanide*.tw. (2060)
- 41 or/36-40 (13057)
- 42 Acarbose/ (1088)
- 43 (Acarbose* or Glucobay*).tw. (1397)
- 44 or/42-43 (1588)
- 45 exp Insulins/tu [Therapeutic Use] (20286)
- 46 exp Insulin/ad [Administration & Dosage] (15892)
- 47 Insulin Infusion Systems/ (3982)
- 48 (Insulin* adj3 (treat* or therap* or administrat* or dos* or human* or analogue* or biphasic* or basal* or protamine* or isophane* or inject* or pen* or deliver* or device* or system* or pump* or syringe* or needle*).tw. (44593)
- 49 (Insulin* adj3 (Intermediate* or shortact* or short-act* or short act* or longact* or long-act* or long act* or ultralong* or ultra-long* or ultra long*).tw. (1696)
- 50 (Actrapid* or Humulin* or Insuman* or Hypurin*).tw. (312)
- 51 (Aspart* or Novorapid*).tw. (76577)
- 52 (Glulisine* or Apidra*).tw. (187)

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- 53 (Lispro* or Humalog*).tw. (854)
- 54 (Insulin* adj3 zinc* adj3 (suspension* or protamine*)).tw. (245)
- 55 (Detemir* or Levemir*).tw. (493)
- 56 (Glargine* or Lantus*).tw. (1342)
- 57 Degludec*.tw. (54)
- 58 (Isophane* or Insulatard* or Humulin* or Insuman* or Novomix*).tw. (331)
- 59 or/45-58 (140575)
- 60 Sodium-Glucose Transporter 2/ (326)
- 61 (Sodium* adj3 Glucose* adj3 Transporter* adj3 "2").tw. (104)
- 62 (Sodium* adj3 Glucose* adj3 (co-transporter* or cotransporter* or co transporter*) adj3 "2").tw. (183)
- 63 SGLT*.tw. (1264)
- 64 (Canagliflozin* or Dapagliflozin* or Empagliflozin*).tw. (125)
- 65 (Meglitinide* or Nateglinide* or Repaglinide*).tw. (894)
- 66 or/60-65 (2267)
- 67 16 or 23 or 27 or 35 or 41 or 44 or 59 or 66 (186449)
- 68 7 and 67 (25970)
- 69 Meta-Analysis.pt. (52213)
- 70 Meta-Analysis as Topic/ (14196)
- 71 Review.pt. (1924416)
- 72 exp Review Literature as Topic/ (7732)
- 73 (metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw. (60052)
- 74 (review\$ or overview\$).ti. (265955)
- 75 (systematic\$ adj5 (review\$ or overview\$)).tw. (54185)
- 76 ((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw. (4377)
- 77 ((studies or trial\$) adj2 (review\$ or overview\$)).tw. (26148)
- 78 (integrat\$ adj3 (research or review\$ or literature)).tw. (5397)
- 79 (pool\$ adj2 (analy\$ or data)).tw. (14672)
- 80 (handsearch\$ or (hand adj3 search\$)).tw. (6759)
- 81 (manual\$ adj3 search\$).tw. (3235)
- 82 or/69-81 (2082990)
- 83 animals/ not humans/ (3974347)
- 84 82 not 83 (1946464)

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- 85 Randomized Controlled Trial.pt. (390995)
- 86 Controlled Clinical Trial.pt. (90070)
- 87 Clinical Trial.pt. (505440)
- 88 exp Clinical Trials as Topic/ (297285)
- 89 Placebos/ (33814)
- 90 Random Allocation/ (81895)
- 91 Double-Blind Method/ (132149)
- 92 Single-Blind Method/ (19669)
- 93 Cross-Over Studies/ (36253)
- 94 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw. (762949)
- 95 (random\$ adj3 allocat\$).tw. (21255)
- 96 placebo\$.tw. (162152)
- 97 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw. (129888)
- 98 (crossover\$ or (cross adj over\$)).tw. (59285)
- 99 or/85-98 (1423907)
- 100 animals/ not humans/ (3974347)
- 101 99 not 100 (1328812)
- 102 84 or 101 (3024023)
- 103 68 and 102 (12422)

Review Question 2: What are the serious adverse effects of long-term use of pharmacological interventions to control blood glucose in people with type 2 diabetes? January 2013

Ovid MEDLINE <1946 to January week 1 2013>

- 1 exp Diabetes Mellitus, Type 2/ (74370)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (61248)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2119)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (473)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11155)
- 6 NIDDM.tw. (6633)

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- 7 or/1-6 (95582)
- 8 Dipeptidyl-Peptidase IV Inhibitors/ (1158)
- 9 (Dipeptidyl* adj2 Peptidase* adj2 ("4" or "iv") adj Inhibitor*).tw. (598)
- 10 (DPP* adj2 ("4" or "iv")).tw. (2100)
- 11 (Sitagliptin* or Januvia*).tw. (498)
- 12 (Vildagliptin* or Galvus*).tw. (314)
- 13 (Linagliptin* or Trajenta*).tw. (85)
- 14 (Saxagliptin* or Onglyza*).tw. (140)
- 15 Alogliptin*.tw. (79)
- 16 or/8-15 (2907)
- 17 Glucagon-Like Peptide 1/ (3812)
- 18 (Glucagon* adj Like adj Peptide adj "1").tw. (3838)
- 19 (GLP* adj "1").tw. (3809)
- 20 (Exenatide* or Byetta* or Bydureon*).tw. (670)
- 21 (Liraglutide* or Victoza*).tw. (350)
- 22 (Lixisenatide* or Lyxumia*).tw. (9)
- 23 or/17-22 (5794)
- 24 Thiazolidinediones/ (8371)
- 25 (Thiazolidinedione* or Glitazone*).tw. (4239)
- 26 (Pioglitazone* or Actos*).tw. (2761)
- 27 or/24-26 (10136)
- 28 exp Sulfonylurea Compounds/tu [Therapeutic Use] (4371)
- 29 (Sulfonylurea* or Sulphonylurea*).tw. (6700)
- 30 Tolbutamide*.tw. (3857)
- 31 Glibenclamide*.tw. (6282)
- 32 (Glipizide* or Minodiab*).tw. (777)
- 33 (Glimepiride* or Amaryl*).tw. (975)
- 34 (Gliclazide* or Diamicron*).tw. (862)
- 35 or/28-34 (17966)
- 36 Metformin/ (5951)
- 37 (Metformin* or Glucophage*).tw. (6856)
- 38 (Competact* or Janumet* or Eucreas*).tw. (11)
- 39 Biguanides/ (2625)
- 40 Biguanide*.tw. (1858)

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- 41 or/36-40 (11027)
- 42 Acarbose/ (1033)
- 43 (Acarbose* or Glucobay*).tw. (1281)
- 44 or/42-43 (1465)
- 45 exp Insulins/tu [Therapeutic Use] (18814)
- 46 exp Insulin/ad [Administration & Dosage] (14523)
- 47 Insulin Infusion Systems/ (3585)
- 48 (Insulin* adj3 (treat* or therap* administrat* or dos* or human* or analogue* or biphasic* or basal* or protamine* or isophane* or inject* or pen* or deliver* or device* or system* or pump* or syringe* or needle*)).tw. (40387)
- 49 (Insulin* adj3 (Intermediate* or shortact* or short-act* or short act* or longact* or long-act* or long act* or ultralong* or ultra-long* or ultra long*)).tw. (1521)
- 50 (Actrapid* or Humulin* or Insuman* or Hypurin*).tw. (296)
- 51 (Aspart* or Novorapid*).tw. (68526)
- 52 (Glulisine* or Apidra*).tw. (144)
- 53 (Lispro* or Humalog*).tw. (770)
- 54 (Insulin* adj3 zinc* adj3 (suspension* or protamine*)).tw. (239)
- 55 (Detemir* or Levemir*).tw. (400)
- 56 (Glargine* or Lantus*).tw. (1081)
- 57 Degludec*.tw. (19)
- 58 (Isophane* or Insulatard* or Humulin* or Insuman* or Novomix*).tw. (308)
- 59 or/45-58 (127084)
- 60 Sodium-Glucose Transporter 2/ (216)
- 61 (Sodium* adj3 Glucose* adj3 Transporter* adj3 "2").tw. (64)
- 62 (Sodium* adj3 Glucose* adj3 (co-transporter* or cotransporter* or co transporter*) adj3 "2").tw. (110)
- 63 SGLT*.tw. (1029)
- 64 (Canagliflozin* or Dapagliflozin* or Empagliflozin*).tw. (70)
- 65 (Meglitinide* or Nateglinide* or Repaglinide*).tw. (795)
- 66 or/60-65 (1885)
- 67 16 or 23 or 27 or 35 or 41 or 44 or 59 or 66 (165776)
- 68 7 and 67 (21837)
- 69 exp Cohort Studies/ (1211858)
- 70 (cohort adj (study or studies)).tw. (63699)
- 71 cohort analy\$.tw. (2838)
- 72 (follow up adj (study or studies)).tw. (33378)

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- 73 longitudinal.tw. (112432)
- 74 prospective.tw. (294067)
- 75 or/69-74 (1373943)
- 76 68 and 75 (2727)
- 77 Animals/ not Humans/ (3653831)
- 78 76 not 77 (2698)
- 79 limit 78 to english language (2446)

Review Question 3: What are the optimal target values for HbA1c, fasting blood glucose and post prandial blood glucose in people with type 2 diabetes? (December 2012)

Ovid MEDLINE <1946 to November week 3 2012>

- 1 exp Diabetes Mellitus, Type 2/ (76208)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (63336)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2166)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (475)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11214)
- 6 NIDDM.tw. (6654)
- 7 or/1-6 (98196)
- 8 *Hemoglobin A, Glycosylated/ (5205)
- 9 (hemoglobin* adj3 glyc*).tw. (7213)
- 10 (haemoglobin* adj3 glyc*).tw. (3389)
- 11 glycohemoglobin*.tw. (633)
- 12 glycohaemoglobin*.tw. (97)
- 13 (hba1c or hb a1c).tw. (10948)
- 14 or/8-13 (21025)
- 15 *Fasting/ (7688)
- 16 fast*.tw. (291196)
- 17 (diet adj3 restrict*).tw. (3734)
- 18 *Postprandial Period/ (1828)
- 19 (postprandial* or post-prandial*).tw. (17493)
- 20 or/15-19 (305960)
- 21 *Blood Glucose/ (35609)

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- 22 ((blood*or plasma* or serum*) adj3 (gluc* or sugar*)).tw. (13292)
- 23 or/21-22 (46815)
- 24 20 and 23 (11305)
- 25 14 or 24 (30758)
- 26 7 and 25 (12019)
- 27 Animals/ not Humans/ (3720385)
- 28 26 not 27 (11612)
- 29 limit 28 to english language (10446)
- 30 Epidemiologic Studies/ (5579)
- 31 exp Case-Control Studies/ (586243)
- 32 exp Cohort Studies/ (1234174)
- 33 Cross-Sectional Studies/ (150828)
- 34 Comparative Study.pt. (1621448)
- 35 case control\$.tw. (65792)
- 36 case series.tw. (27324)
- 37 (cohort adj (study or studies)).tw. (65854)
- 38 cohort analy\$.tw. (2895)
- 39 (follow up adj (study or studies)).tw. (33920)
- 40 (observational adj (study or studies)).tw. (33241)
- 41 longitudinal.tw. (115334)
- 42 prospective.tw. (299660)
- 43 retrospective.tw. (223737)
- 44 cross sectional.tw. (130903)
- 45 or/30-44 (3057909)
- 46 Meta-Analysis.pt. (37918)
- 47 (metaanaly\$ or metanaly\$ or (meta adj2 analy\$)).tw. (45163)
- 48 (systematic\$ adj4 (review\$ or overview\$)).tw. (40486)
- 49 ((quantitative\$ or qualitative\$) adj4 (review\$ or overview\$)).tw. (3114)
- 50 ((studies or trial\$) adj1 (review\$ or overview\$)).tw. (6564)
- 51 (integrat\$ adj2 (research or review\$ or literature)).tw. (3115)
- 52 (pool\$ adj1 (analy\$ or data)).tw. (7700)
- 53 (handsearch\$ or (hand adj2 search\$)).tw. (4489)
- 54 (manual\$ adj2 search\$).tw. (2443)
- 55 or/46-54 (100721)

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- 56 animals/ not humans/ (3720385)
- 57 55 not 56 (98559)
- 58 Randomized Controlled Trial.pt. (342334)
- 59 Controlled Clinical Trial.pt. (85694)
- 60 Placebos/ (31583)
- 61 Random Allocation/ (76596)
- 62 Double-Blind Method/ (118498)
- 63 Single-Blind Method/ (17086)
- 64 Cross-Over Studies/ (30990)
- 65 ((random\$ or control\$ or clinical\$) adj2 (trial\$ or stud\$)).tw. (570078)
- 66 (random\$ adj2 allocat\$).tw. (18136)
- 67 placebo\$.tw. (141131)
- 68 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw. (116108)
- 69 (crossover\$ or (cross adj over\$)).tw. (52349)
- 70 or/58-69 (946027)
- 71 animals/ not humans/ (3720385)
- 72 70 not 71 (870899)
- 73 45 or 57 or 72 (3584205)
- 74 29 and 73 (6922)

Review Question 4: Should intensive or conventional target values be used to control blood glucose levels in people with type 2 diabetes? (January 2013)

Ovid MEDLINE <1946 to November week 4 2012>

- 1 exp Diabetes Mellitus, Type 2/ (76208)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (63336)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2166)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (475)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11214)
- 6 NIDDM.tw. (6654)
- 7 or/1-6 (98196)
- 8 ((Intensiv* or aggressiv* or rigorous* or tight*) adj3 (glucose* or glycaemic* or glyceemic*) adj3 (control* or lower*)).tw. (1734)
- 9 TGC.tw. (633)

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- 10 (Intensiv* adj3 (strateg* or therap* or treat* or process* or protocol*).tw. (20047)
- 11 or/8-10 (21994)
- 12 7 and 11 (1430)
- 13 Meta-Analysis.pt. (37918)
- 14 Meta-Analysis as Topic/ (12608)
- 15 Review.pt. (1758734)
- 16 exp Review Literature as Topic/ (6626)
- 17 (metaanaly\$ or metanaly\$ or (meta adj2 analy\$)).tw. (45163)
- 18 (review\$ or overview\$).ti. (240815)
- 19 (systematic\$ adj4 (review\$ or overview\$)).tw. (40486)
- 20 ((quantitative\$ or qualitative\$) adj4 (review\$ or overview\$)).tw. (3114)
- 21 ((studies or trial\$) adj1 (review\$ or overview\$)).tw. (6564)
- 22 (integrat\$ adj2 (research or review\$ or literature)).tw. (3115)
- 23 (pool\$ adj1 (analy\$ or data)).tw. (7700)
- 24 (handsearch\$ or (hand adj2 search\$)).tw. (4489)
- 25 (manual\$ adj2 search\$).tw. (2443)
- 26 or/13-25 (1896455)
- 27 animals/ not humans/ (3720385)
- 28 26 not 27 (1767418)
- 29 Randomized Controlled Trial.pt. (342334)
- 30 Controlled Clinical Trial.pt. (85694)
- 31 Clinical Trial.pt. (476450)
- 32 exp Clinical Trials as Topic/ (264416)
- 33 Placebos/ (31583)
- 34 Random Allocation/ (76596)
- 35 Double-Blind Method/ (118498)
- 36 Single-Blind Method/ (17086)
- 37 Cross-Over Studies/ (30990)
- 38 ((random\$ or control\$ or clinical\$) adj2 (trial\$ or stud\$)).tw. (570078)
- 39 (random\$ adj2 allocat\$).tw. (18136)
- 40 placebo\$.tw. (141131)
- 41 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw. (116108)
- 42 (crossover\$ or (cross adj over\$)).tw. (52349)
- 43 or/29-42 (1199393)

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- 44 animals/ not humans/ (3720385)
- 45 43 not 44 (1121835)
- 46 28 or 45 (2686528)
- 47 12 and 46 (1011)
- 48 limit 47 to english language (858)

Review Question 5: Should self-monitoring be used to manage blood glucose levels in people with type 2 diabetes? (November 2012)

Ovid MEDLINE <1946 to November week 2 2012>

- 1 exp Diabetes Mellitus, Type 2/ (75950)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (63139)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2161)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (474)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11209)
- 6 NIDDM.tw. (6651)
- 7 or/1-6 (97880)
- 8 Blood Glucose Self-Monitoring/ (3875)
- 9 ((Self-monitor* or self monitor* or home-monitor* or home monitor*) adj3 (glucose* or sugar* or blood* or urine* or glycaemi* or advice*)).tw. (1742)
- 10 ((Self-test* or self test* or home-test* or home test*) adj3 (glucose* or sugar* or blood* or urine* or glycaemi* or advice*)).tw. (62)
- 11 ((Self-assess* or self assess* or home-assess* or home assess*) adj3 (glucose* or sugar* or blood* or urine* or glycaemi* or advice*)).tw. (36)
- 12 ((Self-manag* or self manage* or home-manage* or home manage*) adj3 (glucose* or sugar* or blood* or urine* or glycaemi* or advice*)).tw. (93)
- 13 ((Self-control* or self control* or home-control* or home control*) adj3 (glucose* or sugar* or blood* or urine* or glycaemi* or advice*)).tw. (64)
- 14 SMBG.tw. (478)
- 15 (Fingerprick* or fingerstick*).tw. (456)
- 16 ((Finger* or thumb*) adj3 (prick* or stick*)).tw. (883)
- 17 (Blood adj3 glucose* adj3 meter*).tw. (371)
- 18 or/8-17 (6300)
- 19 7 and 18 (1464)
- 20 limit 19 to (ed=20070101-20121115 and english language) (712)

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- 21 Randomized Controlled Trial.pt. (341859)
- 22 Controlled Clinical Trial.pt. (85658)
- 23 Clinical Trial.pt. (476183)
- 24 exp Clinical Trials as Topic/ (264107)
- 25 Placebos/ (31561)
- 26 Random Allocation/ (76545)
- 27 Double-Blind Method/ (118375)
- 28 Single-Blind Method/ (17053)
- 29 Cross-Over Studies/ (30947)
- 30 ((random\$ or control\$ or clinical\$) adj2 (trial\$ or stud\$)).tw. (569143)
- 31 (random\$ adj2 allocat\$).tw. (18118)
- 32 placebo\$.tw. (140976)
- 33 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw. (116001)
- 34 (crossover\$ or (cross adj over\$)).tw. (52292)
- 35 or/21-34 (1197753)
- 36 animals/ not humans/ (3717557)
- 37 35 not 36 (1120276)
- 38 Meta-Analysis.pt. (37760)
- 39 Meta-Analysis as Topic/ (12581)
- 40 Review.pt. (1756044)
- 41 exp Review Literature as Topic/ (6611)
- 42 (metaanaly\$ or metanaly\$ or (meta adj2 analy\$)).tw. (44982)
- 43 (review\$ or overview\$).ti. (240422)
- 44 (systematic\$ adj4 (review\$ or overview\$)).tw. (40325)
- 45 ((quantitative\$ or qualitative\$) adj4 (review\$ or overview\$)).tw. (3103)
- 46 ((studies or trial\$) adj1 (review\$ or overview\$)).tw. (6551)
- 47 (integrat\$ adj2 (research or review\$ or literature)).tw. (3106)
- 48 (pool\$ adj1 (analy\$ or data)).tw. (7671)
- 49 (handsearch\$ or (hand adj2 search\$)).tw. (4482)
- 50 (manual\$ adj2 search\$).tw. (2443)
- 51 or/38-50 (1893544)
- 52 animals/ not humans/ (3717557)
- 53 51 not 52 (1764589)
- 54 37 or 53 (2682475)

Review Question 6: Should aspirin and/ or clopidogrel be used for primary prevention of cardiovascular disease in people with type 2 diabetes? (November 2012)

Ovid MEDLINE <1946 to October week 4 2012>

- 1 exp Diabetes Mellitus, Type 2/ (75451)
- 2 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (62632)
- 3 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (2152)
- 4 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (474)
- 5 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (11204)
- 6 NIDDM.tw. (6648)
- 7 or/1-6 (97234)
- 8 Aspirin/ (36490)
- 9 (Aspirin* or acetylsalicylic acid* or micropirin* or caprin*).tw. (41115)
- 10 (Clopidogrel* or Plavix* or Grepid*).tw. (5905)
- 11 or/8-10 (56239)
- 12 7 and 11 (658)
- 13 Animals/ not Humans/ (3707435)
- 14 12 not 13 (639)
- 15 limit 14 to (ed=20070101-20121107 and english language) (301)
- 16 Meta-Analysis.pt. (37222)
- 17 Meta-Analysis as Topic/ (12516)
- 18 Review.pt. (1749326)
- 19 exp Review Literature as Topic/ (6580)
- 20 (metaanaly\$ or metanaly\$ or (meta adj2 analy\$)).tw. (44398)
- 21 (review\$ or overview\$).ti. (239135)
- 22 (systematic\$ adj4 (review\$ or overview\$)).tw. (39724)
- 23 ((quantitative\$ or qualitative\$) adj4 (review\$ or overview\$)).tw. (3074)
- 24 ((studies or trial\$) adj1 (review\$ or overview\$)).tw. (6497)
- 25 (integrat\$ adj2 (research or review\$ or literature)).tw. (3081)

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- 26 (pool\$ adj1 (analy\$ or data)).tw. (7594)
- 27 (handsearch\$ or (hand adj2 search\$)).tw. (4445)
- 28 (manual\$ adj2 search\$).tw. (2423)
- 29 or/16-28 (1886158)
- 30 animals/ not humans/ (3707435)
- 31 29 not 30 (1757509)
- 32 Randomized Controlled Trial.pt. (340101)
- 33 Controlled Clinical Trial.pt. (85462)
- 34 Clinical Trial.pt. (475088)
- 35 exp Clinical Trials as Topic/ (262887)
- 36 Placebos/ (31496)
- 37 Random Allocation/ (76290)
- 38 Double-Blind Method/ (117930)
- 39 Single-Blind Method/ (16934)
- 40 Cross-Over Studies/ (30793)
- 41 ((random\$ or control\$ or clinical\$) adj2 (trial\$ or stud\$)).tw. (565398)
- 42 (random\$ adj2 allocat\$).tw. (18044)
- 43 placebo\$.tw. (140317)
- 44 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw. (115572)
- 45 (crossover\$ or (cross adj over\$)).tw. (52021)
- 46 or/32-45 (1191602)
- 47 animals/ not humans/ (3707435)
- 48 46 not 47 (1114558)
- 49 31 or 48 (2671072)
- 50 15 and 49 (145)

Review Question 7: What pharmacological treatment should be used to manage erectile dysfunction in men with type 2 diabetes? (October 2012 [multi-file search strategy])

Ovid MEDLINE <1946 to October week 1 2012>

Ovid MEDLINE-in-Process <October 10, 2012>

EMBASE (Ovid) <1980 to 2012 week 40>

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- 1 exp Diabetes Mellitus, Type 2/ use mesz (75110)
- 2 exp non insulin dependent diabetes mellitus/ use emez (116377)
- 3 (Type* adj3 ("2" or "II" or two*) adj3 (diabete* or diabetic*)).tw. (161562)
- 4 ((Maturit* or adult* or slow*) adj3 onset* adj3 (diabete* or diabetic*)).tw. (4594)
- 5 ((Ketosis-resistant* or stable*) adj3 (diabete* or diabetic*)).tw. (1121)
- 6 ((Non-insulin* or Non insulin* or Noninsulin*) adj3 depend* adj3 (diabete* or diabetic*)).tw. (24574)
- 7 NIDDM.tw. (14551)
- 8 Diabetes Mellitus, Type 1/ use mesz (57276)
- 9 exp insulin dependent diabetes mellitus/ use emez (70113)
- 10 (Type* adj3 ("1" or "I" or one*) adj3 (diabete* or diabetic*)).tw. (77647)
- 11 ((Autoimmune* or auto-immune* or auto immune* or sudden-onset* or sudden onset* or brittle* or juvenile-onset* or juvenile onset*) adj3 (diabete* or diabetic*)).tw. (9587)
- 12 ((Ketosis-prone* or ketosis prone*) adj3 (diabete* or diabetic*)).tw. (221)
- 13 (Insulin* adj3 depend* adj3 (diabete* or diabetic*)).tw. (54382)
- 14 IDDM.tw. (14280)
- 15 or/1-14 (368668)
- 16 exp Erectile Dysfunction/ use mesz (14699)
- 17 exp erectile dysfunction/ use emez (15908)
- 18 impotence/ use emez (13770)
- 19 ((Erectile* or sex*) adj3 dysfunct*).tw. (37450)
- 20 ED.tw. (71486)
- 21 Impotence*.tw. (11497)
- 22 or/16-21 (126086)
- 23 Testosterone/ use mesz (57123)
- 24 testosterone/ use emez (75502)
- 25 testosterone undecanoate/ use emez (1362)
- 26 Testosterone*.tw. (124639)
- 27 (Restandol Testocaps or Striant SR or Nebido or Sustanon or Viormone or Intrinsa or Testim or Testogel or Tostran).tw. (843)
- 28 TRT.tw. (1696)
- 29 or/23-28 (170672)
- 30 Prostaglandins E/ use mesz (14417)

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- 31 Alprostadil/ use mesz (6451)
- 32 prostaglandin E1/ use emez (14587)
- 33 Prostaglandin* E.tw. (13009)
- 34 (pge1 or pge-1 or "pge 1" or "pg e1" or "pg e-1" or "pg e 1").tw. (12625)
- 35 (Alprostadil* or Caverject* or Viridal* or Muse).tw. (1923)
- 36 or/30-35 (49004)
- 37 Phosphodiesterase 5 Inhibitors/ use mesz (997)
- 38 phosphodiesterase V inhibitor/ use emez (4034)
- 39 "Phosphodiesterase* 5 Inhibitor*".tw. (1761)
- 40 "Phosphodiesterase* V Inhibitor*".tw. (95)
- 41 ((pde5 or pde-5 or "pde 5") adj3 Inhibitor*).tw. (3661)
- 42 ((pdeV or pde-V or "pde V") adj3 Inhibitor*).tw. (130)
- 43 sildenafil/ use emez (13334)
- 44 tadalafil/ use emez (3345)
- 45 vardenafil/ use emez (2597)
- 46 (Sildenafil or Viagra or Revatio or Tadalafil or Cialis or Vardenafil or Levitra).tw. (14903)
- 47 or/37-46 (23696)
- 48 limit 47 to ed=20070101-20121011 use mesz [Limit not valid in Embase; records were retained] (3201)
- 49 limit 47 to em=200700-201240 use emez [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained] (9857)
- 50 48 or 49 (13058)
- 51 29 or 36 or 50 (230891)
- 52 15 and 22 and 51 (538)
- 53 Animals/ not Humans/ use mesz (5497586)
- 54 Nonhuman/ not Human/ use emez (3176971)
- 55 53 or 54 (8660434)
- 56 52 not 55 (517)
- 57 limit 56 to english language (466)
- 58 remove duplicates from 57 (356)

Health economics searches

The following sources were searched to identify economic evaluations and quality of life data featuring the patient population of type 2 diabetes

Ovid MEDLINE

Ovid MEDLINE-in-Process

EMBASE (Ovid)

NHS EED (Wiley)

HEED

The following search filters were added to all clinical search strategies:

- 1 Economics/ (26636)
- 2 exp "Costs and Cost Analysis"/ (172722)
- 3 Economics, Dental/ (1861)
- 4 exp Economics, Hospital/ (18697)
- 5 exp Economics, Medical/ (13342)
- 6 Economics, Nursing/ (3871)
- 7 Economics, Pharmaceutical/ (2445)
- 8 Budgets/ (9411)
- 9 exp Models, Economic/ (9415)
- 10 Markov Chains/ (9010)
- 11 Monte Carlo Method/ (18608)
- 12 Decision Trees/ (8471)
- 13 econom\$.tw. (143763)
- 14 cba.tw. (8570)
- 15 cea.tw. (15284)
- 16 cua.tw. (736)
- 17 markov\$.tw. (10445)
- 18 (monte adj carlo).tw. (19126)
- 19 (decision adj2 (tree\$ or analys\$)).tw. (7051)
- 20 (cost or costs or costing\$ or costly or costed).tw. (280831)
- 21 (price\$ or pricing\$).tw. (21406)
- 22 budget\$.tw. (16270)
- 23 expenditure\$.tw. (32597)
- 24 (value adj2 (money or monetary)).tw. (1121)

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- 25 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw. (3114)
- 26 or/1-25 (607987)
- 27 "Quality of Life"/ (108608)
- 28 quality of life.tw. (123243)
- 29 "Value of Life"/ (5320)
- 30 Quality-Adjusted Life Years/ (6276)
- 31 quality adjusted life.tw. (5117)
- 32 (qaly\$ or qald\$ or qale\$ or qtime\$).tw. (4282)
- 33 disability adjusted life.tw. (995)
- 34 daly\$.tw. (992)
- 35 Health Status Indicators/ (19253)
- 36 (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).tw. (13766)
- 37 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. (936)
- 38 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw. (2220)
- 39 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw. (18)
- 40 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw. (319)
- 41 (euroqol or euro qol or eq5d or eq 5d).tw. (3108)
- 42 (qol or hql or hqol or hrqol).tw. (21283)
- 43 (hye or hyes).tw. (51)
- 44 health\$ year\$ equivalent\$.tw. (36)
- 45 utilit\$.tw. (101718)
- 46 (hui or hui1 or hui2 or hui3).tw. (775)
- 47 disutilit\$.tw. (179)
- 48 rosser.tw. (69)
- 49 quality of wellbeing.tw. (5)
- 50 quality of well-being.tw. (314)
- 51 qwb.tw. (153)
- 52 willingness to pay.tw. (1858)
- 53 standard gamble\$.tw. (615)
- 54 time trade off.tw. (670)
- 55 time tradeoff.tw. (194)

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56 tto.tw. (523)

57 or/27-56 (289501)

58 26 or 57 (858294)