

HbA1c treatment effect

Male (n=17329)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1602)

3–5 mmol/mol (n=2315)

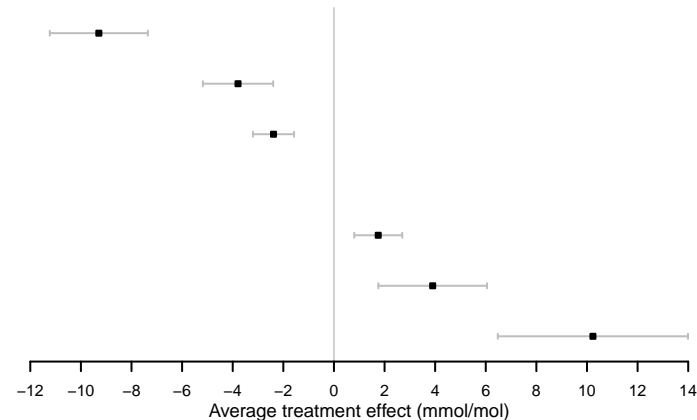
0–3 mmol/mol (n=6474)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5285)

3–5 mmol/mol (n=1084)

>5 mmol/mol (n=569)



Female (n=11356)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=591)

3–5 mmol/mol (n=538)

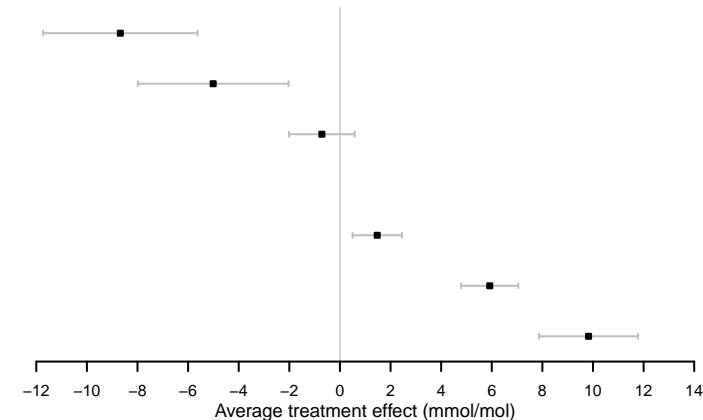
0–3 mmol/mol (n=2267)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=3779)

3–5 mmol/mol (n=2694)

>5 mmol/mol (n=1487)



Weight change

Propensity score matching

■ SGLT2 ■ GLP1

Female (n=6649)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=439)

3–5 mmol/mol (n=356)

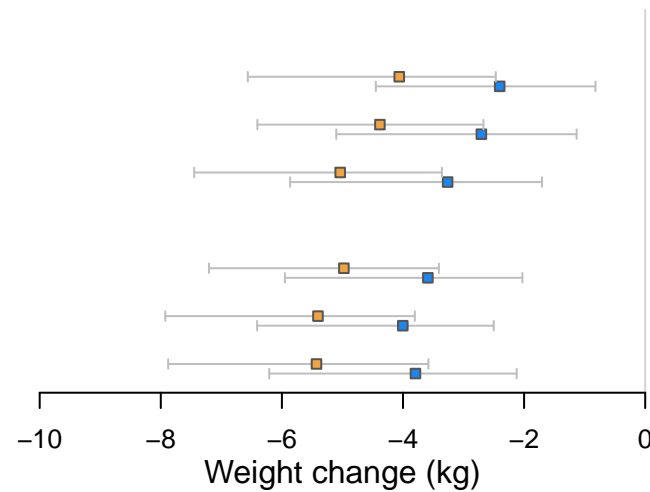
0–3 mmol/mol (n=1510)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2173)

3–5 mmol/mol (n=1348)

>5 mmol/mol (n=823)



Male (n=8649)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=987)

3–5 mmol/mol (n=1406)

0–3 mmol/mol (n=3298)

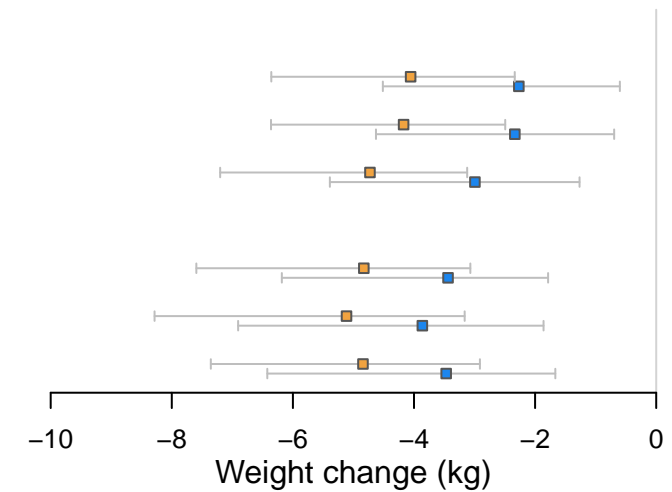
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2219)

3–5 mmol/mol (n=479)

>5 mmol/mol (n=260)

■ SGLT2 ■ GLP1



Propensity score matching + adjusted

■ SGLT2 ■ GLP1

Female (n=6649)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=439)

3–5 mmol/mol (n=356)

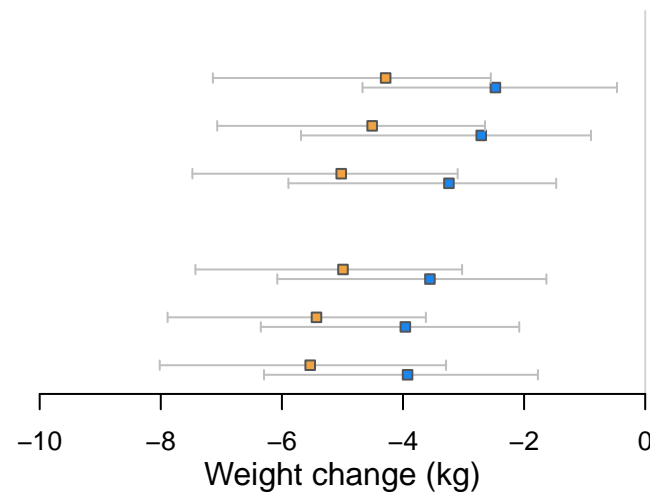
0–3 mmol/mol (n=1510)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2173)

3–5 mmol/mol (n=1348)

>5 mmol/mol (n=823)



Male (n=8649)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=987)

3–5 mmol/mol (n=1406)

0–3 mmol/mol (n=3298)

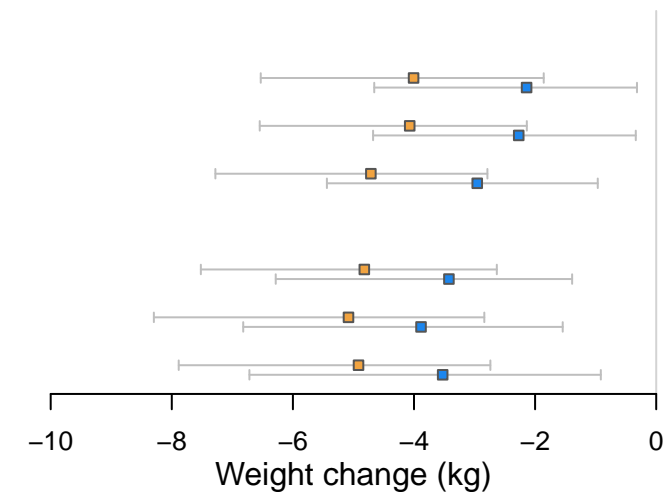
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2219)

3–5 mmol/mol (n=479)

>5 mmol/mol (n=260)

■ SGLT2 ■ GLP1



Adjusted

■ SGLT2 ■ GLP1

Female (n=15532)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=815)

3–5 mmol/mol (n=704)

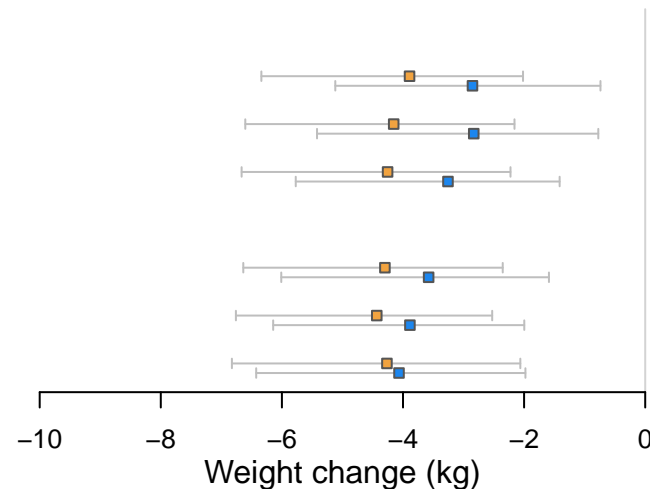
0–3 mmol/mol (n=3155)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5285)

3–5 mmol/mol (n=3554)

>5 mmol/mol (n=2019)



Male (n=24022)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=2155)

3–5 mmol/mol (n=3252)

0–3 mmol/mol (n=9124)

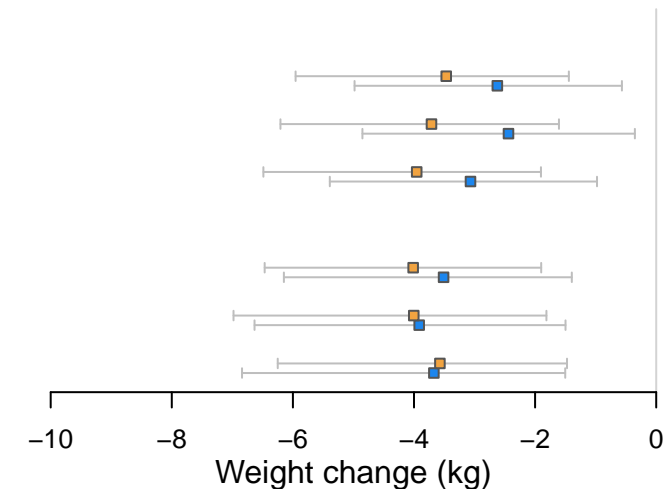
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=7276)

3–5 mmol/mol (n=1484)

>5 mmol/mol (n=731)

■ SGLT2 ■ GLP1



eGFR change

Propensity score matching

SGLT2 GLP1

Female (n=7034)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=433)

3–5 mmol/mol (n=380)

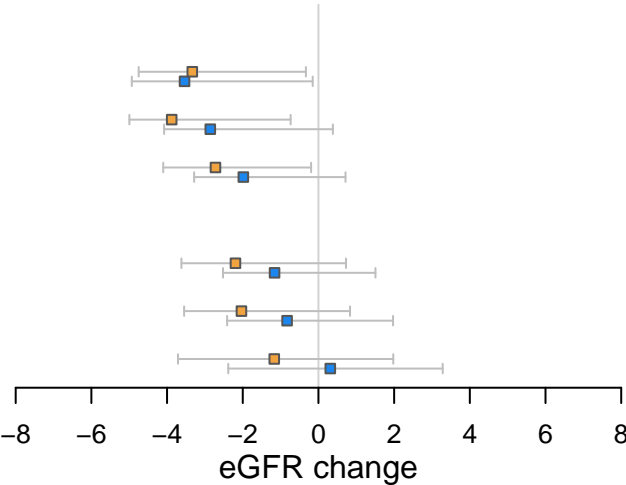
0–3 mmol/mol (n=1568)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2298)

3–5 mmol/mol (n=1408)

>5 mmol/mol (n=947)



Male (n=9230)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1080)

3–5 mmol/mol (n=1506)

0–3 mmol/mol (n=3513)

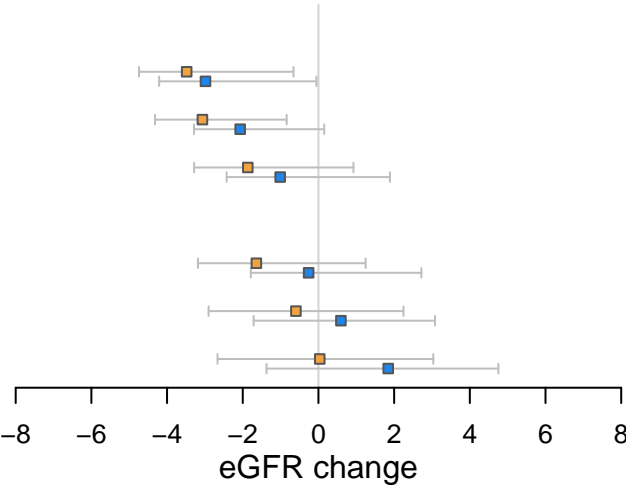
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2320)

3–5 mmol/mol (n=511)

(5,40]

SGLT2 GLP1



Propensity score matching + adjusted

SGLT2 GLP1

Female (n=7034)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=433)

3–5 mmol/mol (n=380)

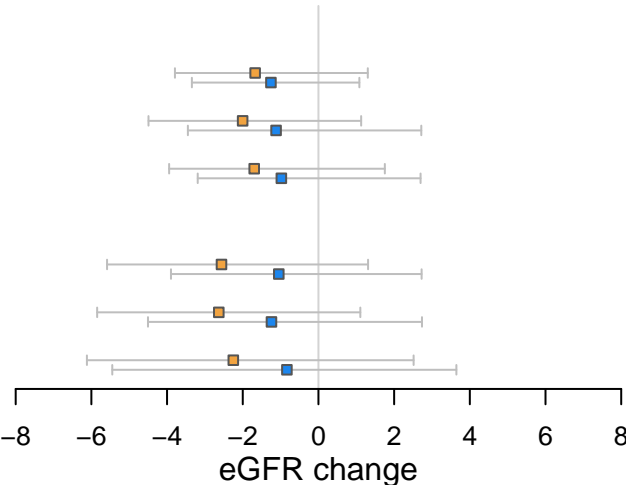
0–3 mmol/mol (n=1568)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2298)

3–5 mmol/mol (n=1408)

>5 mmol/mol (n=947)



Male (n=9230)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1080)

3–5 mmol/mol (n=1506)

0–3 mmol/mol (n=3513)

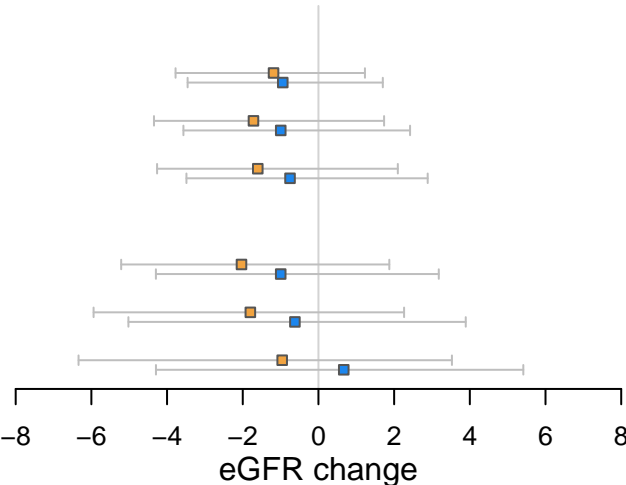
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2320)

3–5 mmol/mol (n=511)

(5,40]

SGLT2 GLP1



Adjusted

SGLT2 GLP1

Female (n=17094)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=872)

3–5 mmol/mol (n=794)

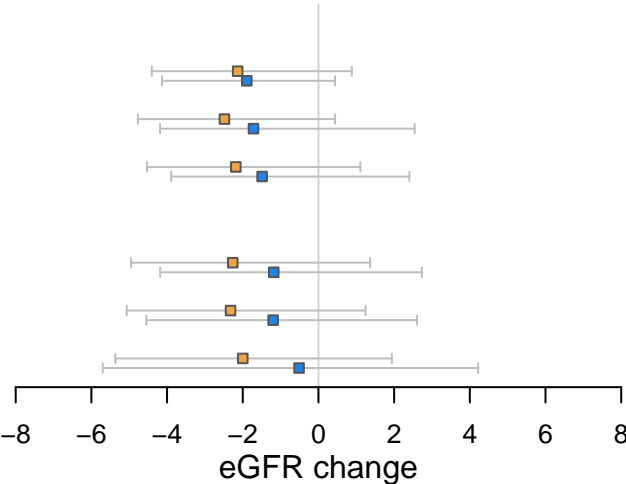
0–3 mmol/mol (n=3389)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5781)

3–5 mmol/mol (n=3964)

>5 mmol/mol (n=2294)



Male (n=26432)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=2399)

3–5 mmol/mol (n=3541)

0–3 mmol/mol (n=9997)

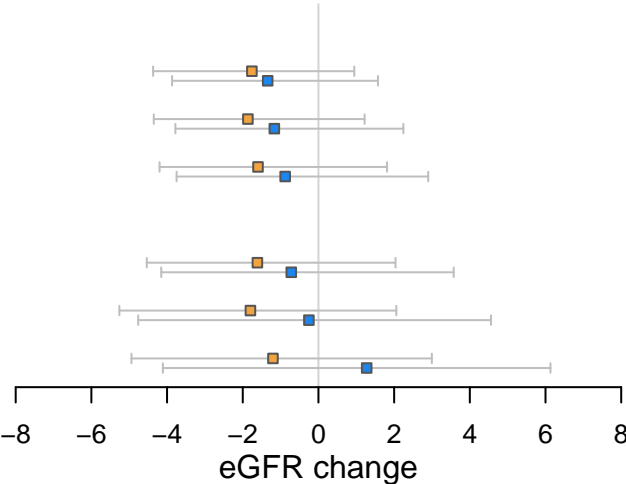
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=7947)

3–5 mmol/mol (n=1678)

>5 mmol/mol (n=870)

SGLT2 GLP1



Propensity score matching

SGLT2 GLP1

Female (n=7826)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=511)

3–5 mmol/mol (n=428)

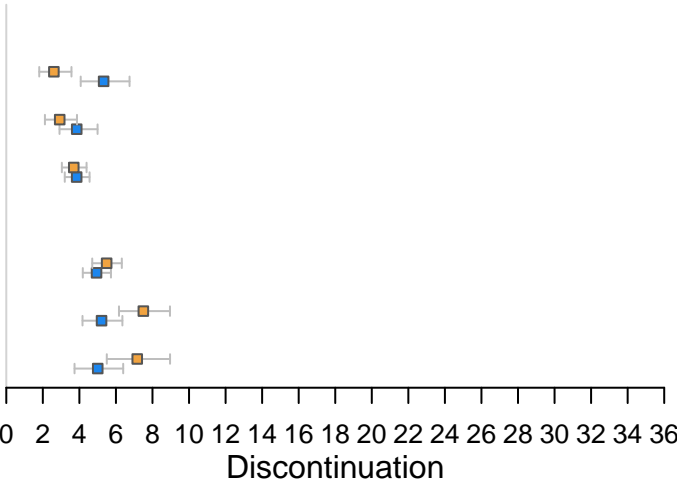
0–3 mmol/mol (n=1741)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2538)

3–5 mmol/mol (n=1565)

>5 mmol/mol (n=1043)



Male (n=10240)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1203)

3–5 mmol/mol (n=1665)

0–3 mmol/mol (n=3915)

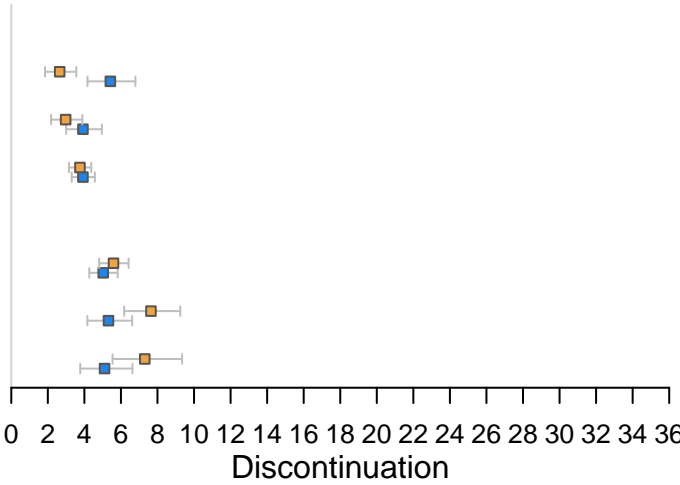
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2571)

3–5 mmol/mol (n=560)

>5 mmol/mol (n=326)

SGLT2 GLP1



Propensity score matching + adjusted

SGLT2 GLP1

Female (n=7826)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=511)

3–5 mmol/mol (n=428)

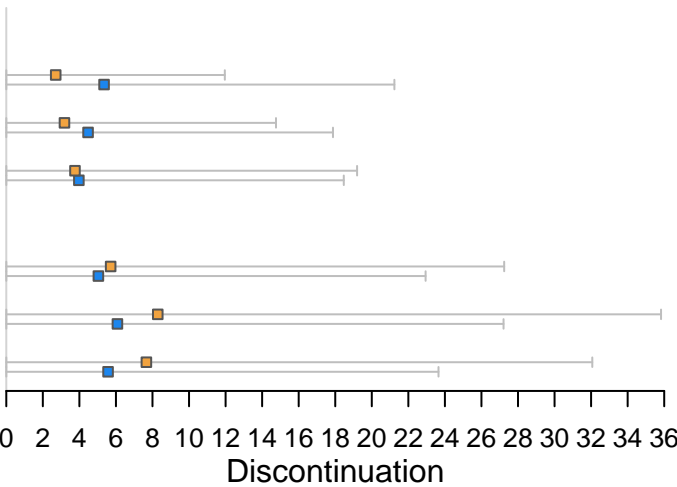
0–3 mmol/mol (n=1741)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2538)

3–5 mmol/mol (n=1565)

>5 mmol/mol (n=1043)



Male (n=7826)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1203)

3–5 mmol/mol (n=1665)

0–3 mmol/mol (n=3915)

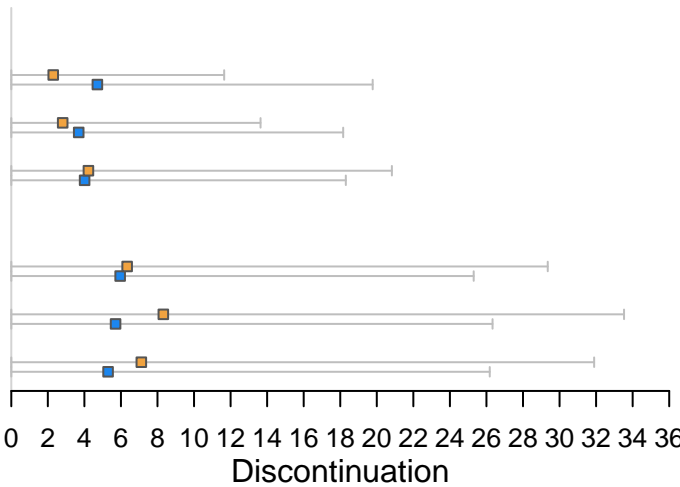
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2571)

3–5 mmol/mol (n=560)

>5 mmol/mol (n=326)

SGLT2 GLP1



Adjusted

SGLT2 GLP1

Female (n=18762)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=974)

3–5 mmol/mol (n=884)

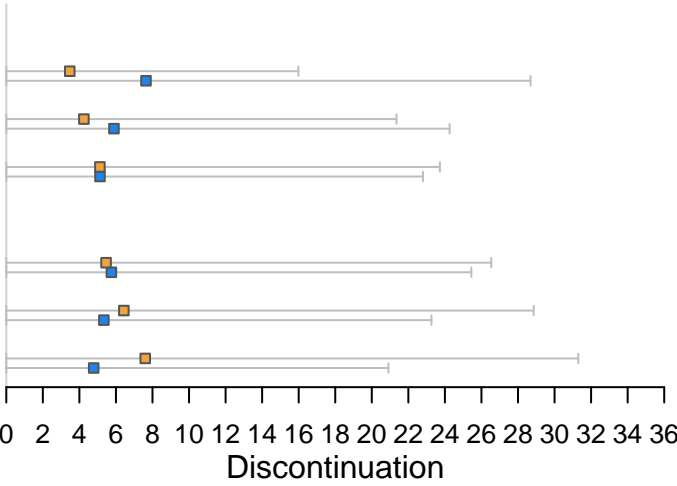
0–3 mmol/mol (n=3744)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=6311)

3–5 mmol/mol (n=4347)

>5 mmol/mol (n=2502)



Male (n=28998)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=2642)

3–5 mmol/mol (n=3896)

0–3 mmol/mol (n=10916)

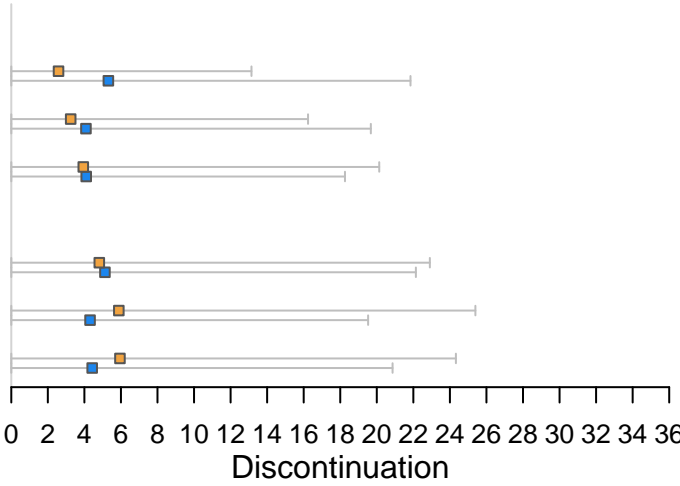
Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=8766)

3–5 mmol/mol (n=1844)

>5 mmol/mol (n=934)

SGLT2 GLP1



Propensity score matching

Female (n=4909)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=355)

3–5 mmol/mol (n=274)

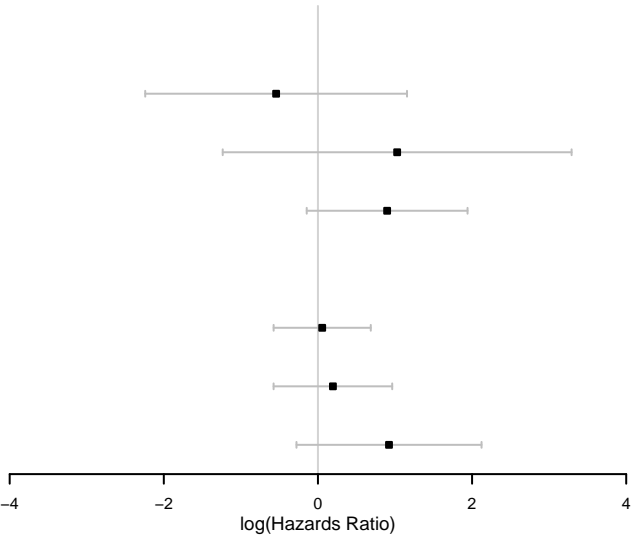
0–3 mmol/mol (n=1145)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1614)

3–5 mmol/mol (n=1074)

>5 mmol/mol (n=447)



Male (n=5447)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=738)

3–5 mmol/mol (n=931)

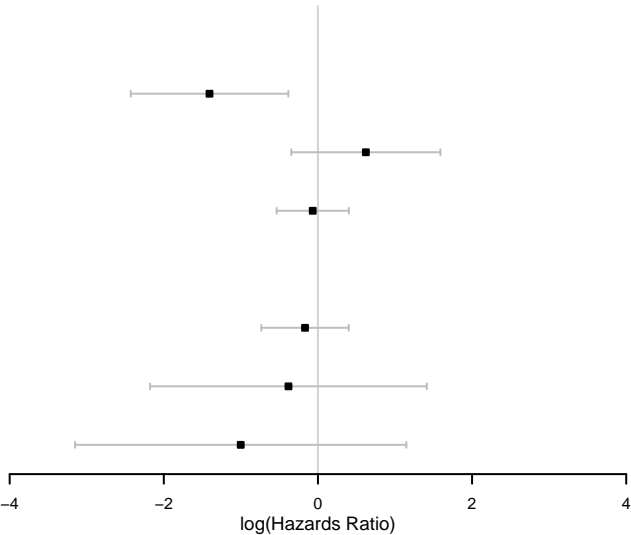
0–3 mmol/mol (n=2194)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1336)

3–5 mmol/mol (n=168)

>5 mmol/mol (n=80)



Propensity score matching + adjusted

Female (n=4909)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=355)

3–5 mmol/mol (n=274)

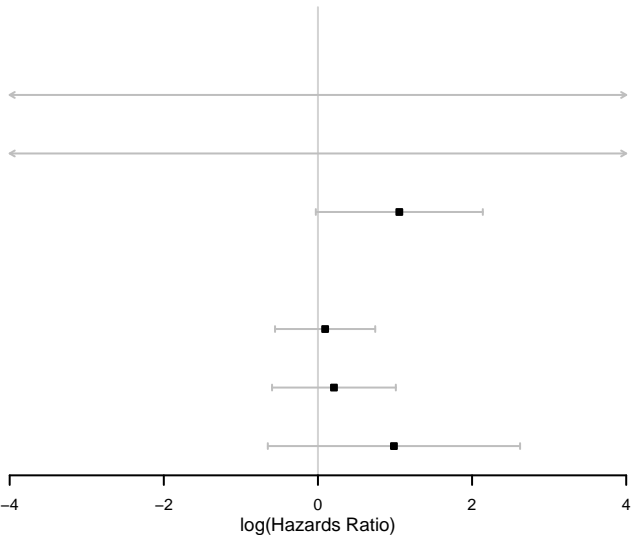
0–3 mmol/mol (n=1145)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1614)

3–5 mmol/mol (n=1074)

>5 mmol/mol (n=447)



Male (n=5447)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=738)

3–5 mmol/mol (n=931)

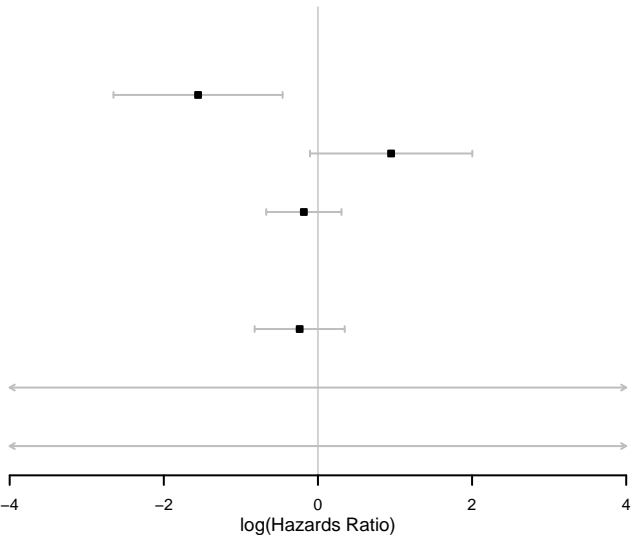
0–3 mmol/mol (n=2194)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1336)

3–5 mmol/mol (n=168)

>5 mmol/mol (n=80)



Adjusted

Female (n=13606)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=740)

3–5 mmol/mol (n=661)

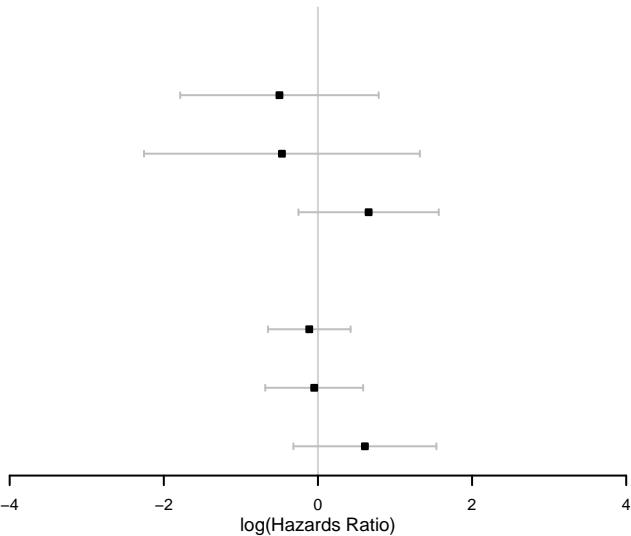
0–3 mmol/mol (n=2846)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=4631)

3–5 mmol/mol (n=3369)

>5 mmol/mol (n=1359)



Male (n=19083)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1852)

3–5 mmol/mol (n=2709)

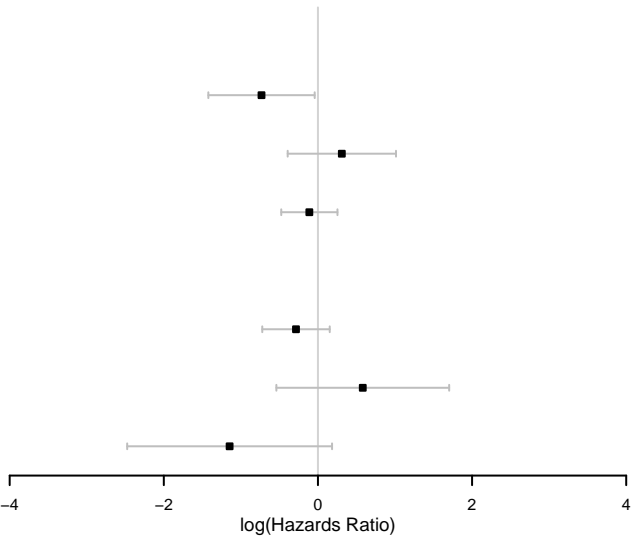
0–3 mmol/mol (n=7648)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5774)

3–5 mmol/mol (n=770)

>5 mmol/mol (n=330)



Propensity score matching

Female (n=4909)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=355)

3–5 mmol/mol (n=274)

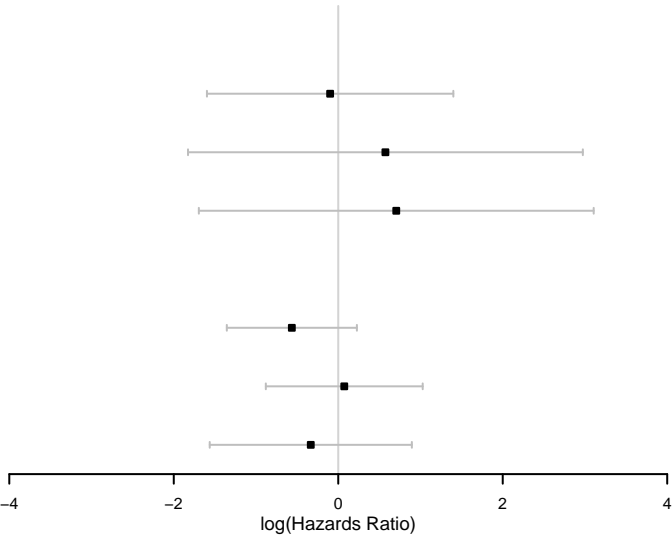
0–3 mmol/mol (n=1145)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1614)

3–5 mmol/mol (n=1074)

>5 mmol/mol (n=447)



Male (n=5447)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=738)

3–5 mmol/mol (n=931)

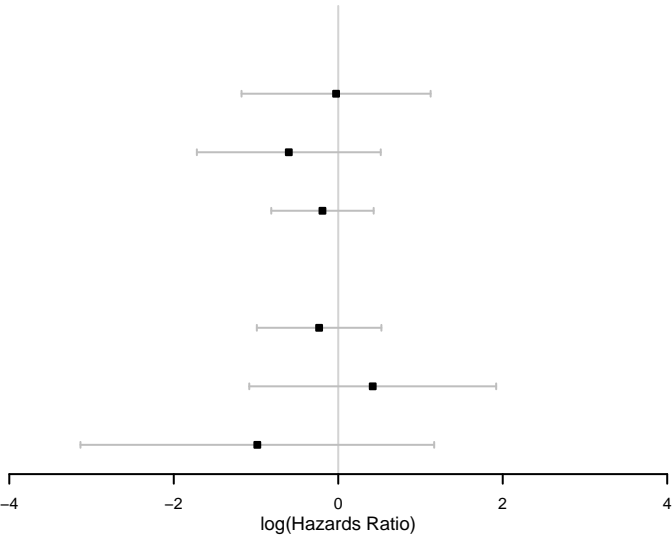
0–3 mmol/mol (n=2194)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1336)

3–5 mmol/mol (n=168)

>5 mmol/mol (n=80)



Propensity score matching + adjusted

Female (n=4909)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=355)

3–5 mmol/mol (n=274)

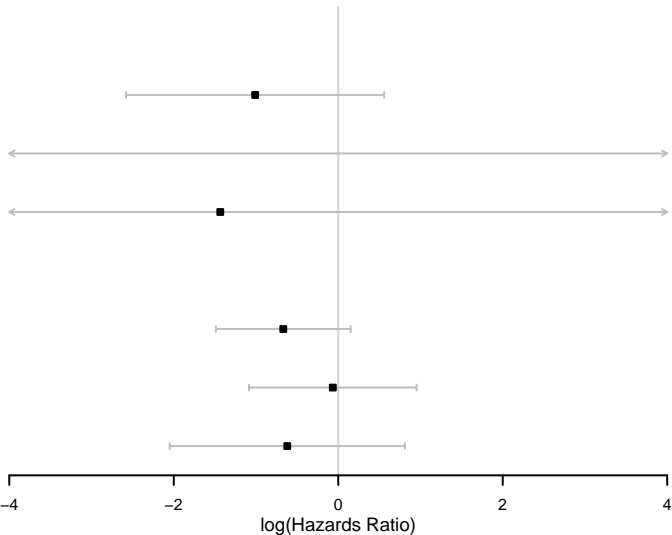
0–3 mmol/mol (n=1145)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1614)

3–5 mmol/mol (n=1074)

>5 mmol/mol (n=447)



Male (n=5447)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=738)

3–5 mmol/mol (n=931)

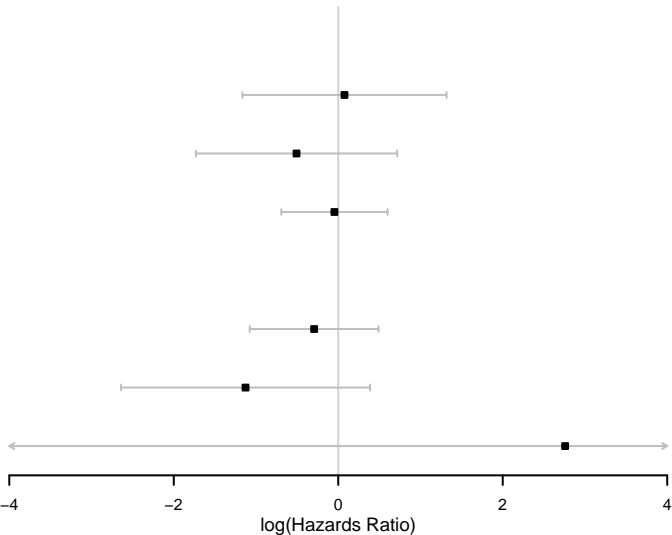
0–3 mmol/mol (n=2194)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1336)

3–5 mmol/mol (n=168)

>5 mmol/mol (n=80)



Adjusted

Female (n=13606)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=740)

3–5 mmol/mol (n=661)

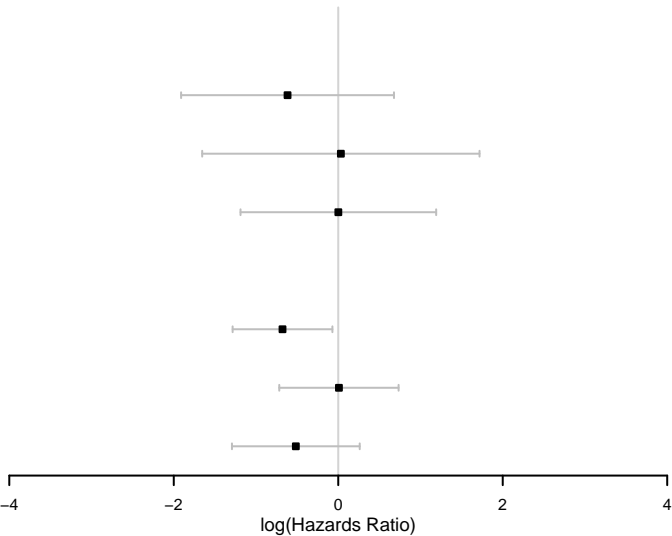
0–3 mmol/mol (n=2846)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=4631)

3–5 mmol/mol (n=3369)

>5 mmol/mol (n=1359)



Male (n=19083)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1852)

3–5 mmol/mol (n=2709)

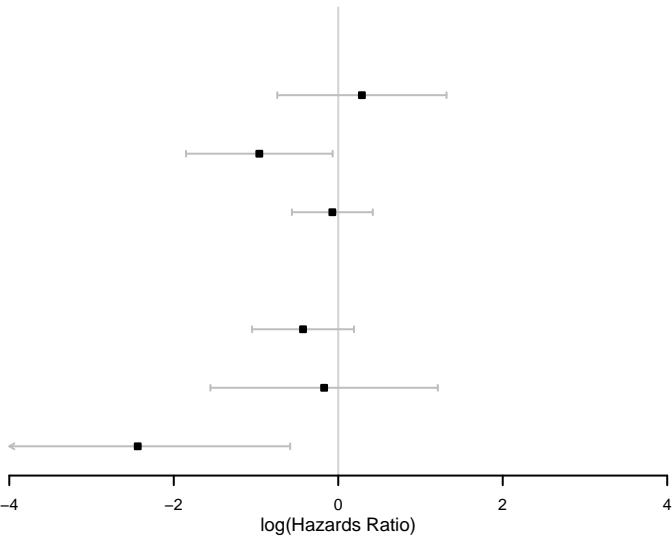
0–3 mmol/mol (n=7648)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5774)

3–5 mmol/mol (n=770)

>5 mmol/mol (n=330)



Propensity score matching

Female (n=5347)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=348)

3–5 mmol/mol (n=280)

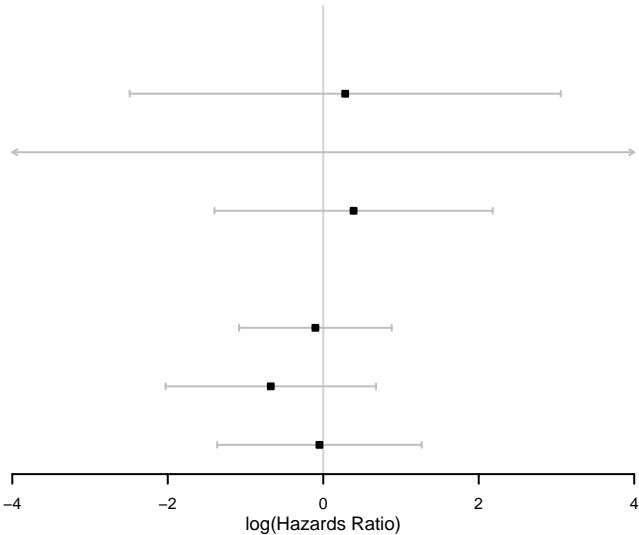
0–3 mmol/mol (n=1167)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1686)

3–5 mmol/mol (n=1161)

>5 mmol/mol (n=705)



Male (n=5795)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=733)

3–5 mmol/mol (n=974)

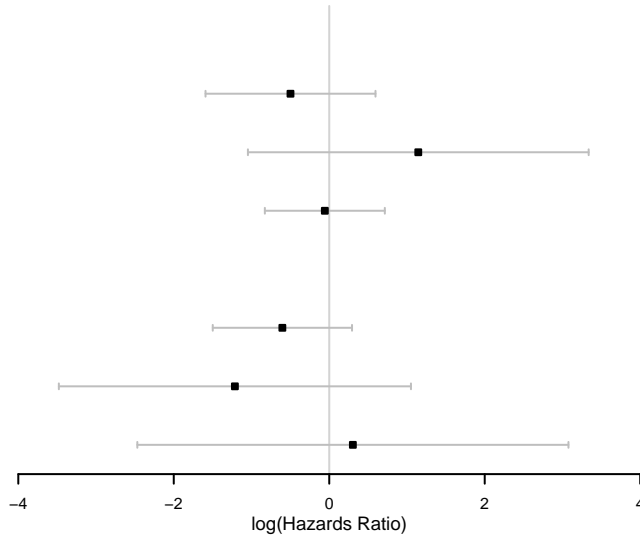
0–3 mmol/mol (n=2240)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1442)

3–5 mmol/mol (n=249)

>5 mmol/mol (n=157)



Propensity score matching + adjusted

Female (n=5347)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=348)

3–5 mmol/mol (n=280)

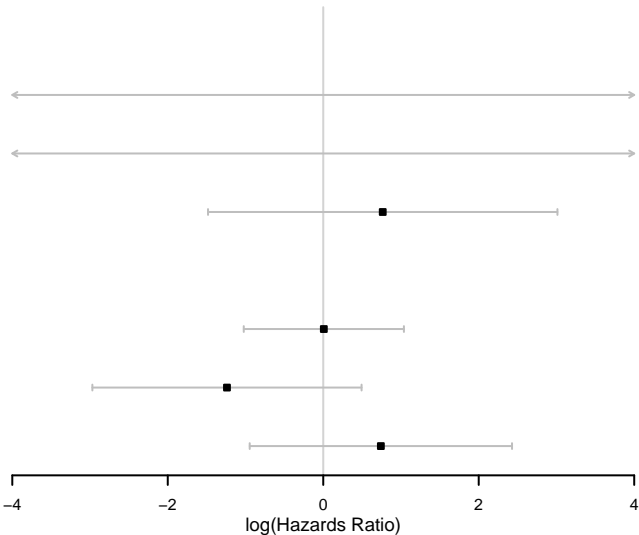
0–3 mmol/mol (n=1167)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1686)

3–5 mmol/mol (n=1161)

>5 mmol/mol (n=705)



Male (n=5795)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=733)

3–5 mmol/mol (n=974)

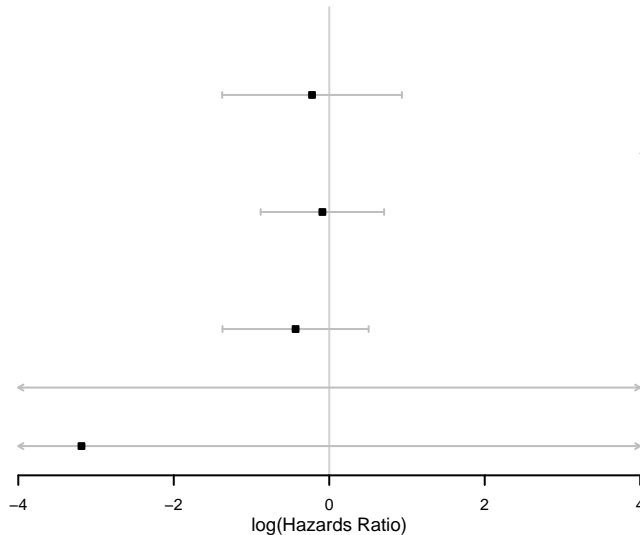
0–3 mmol/mol (n=2240)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1442)

3–5 mmol/mol (n=249)

>5 mmol/mol (n=157)



Adjusted

Female (n=14461)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=750)

3–5 mmol/mol (n=674)

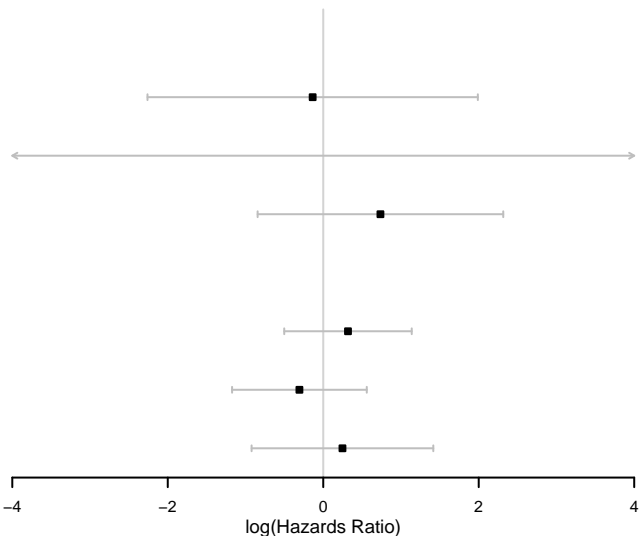
0–3 mmol/mol (n=2876)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=4823)

3–5 mmol/mol (n=3541)

>5 mmol/mol (n=1797)



Male (n=19827)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=1891)

3–5 mmol/mol (n=2741)

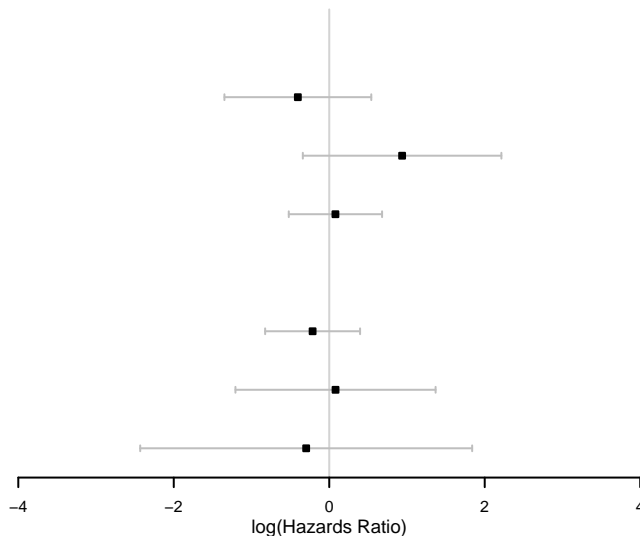
0–3 mmol/mol (n=7818)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=6019)

3–5 mmol/mol (n=880)

>5 mmol/mol (n=478)



Propensity score matching

Female (n=6238)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=378)

3–5 mmol/mol (n=343)

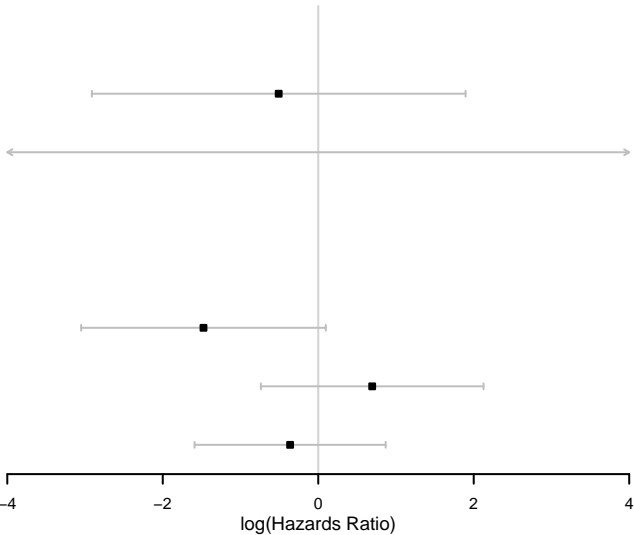
0–3 mmol/mol (n=1316)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1963)

3–5 mmol/mol (n=1395)

>5 mmol/mol (n=843)



Male (n=7472)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=850)

3–5 mmol/mol (n=1145)

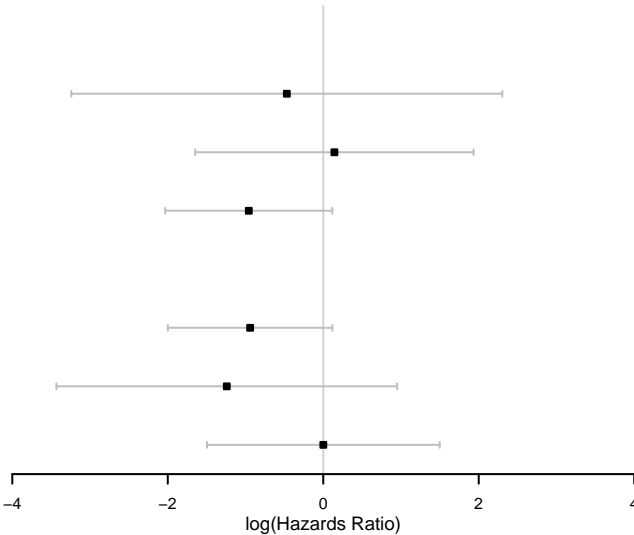
0–3 mmol/mol (n=2756)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2020)

3–5 mmol/mol (n=425)

>5 mmol/mol (n=276)



Propensity score matching + adjusted

Female (n=6238)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=378)

3–5 mmol/mol (n=343)

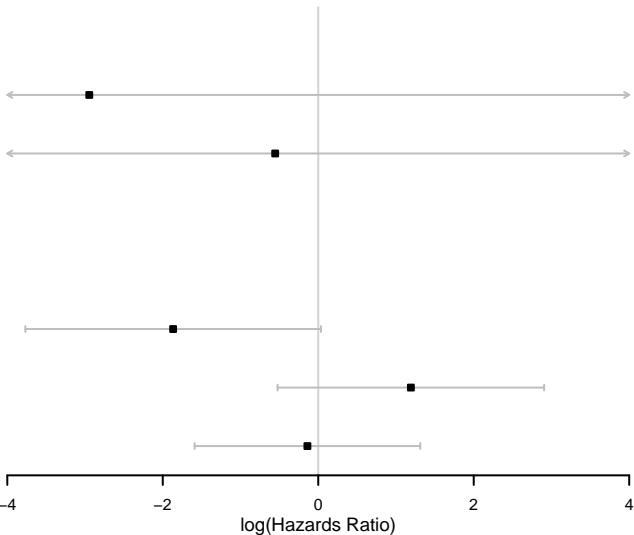
0–3 mmol/mol (n=1316)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=1963)

3–5 mmol/mol (n=1395)

>5 mmol/mol (n=843)



Male (n=7472)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=850)

3–5 mmol/mol (n=1145)

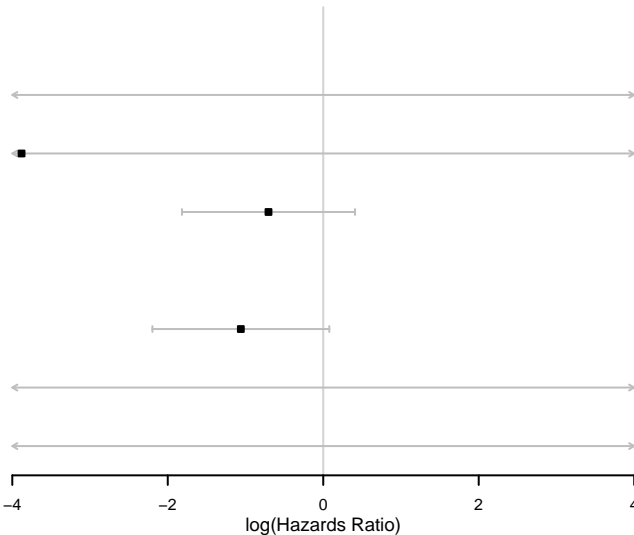
0–3 mmol/mol (n=2756)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=2020)

3–5 mmol/mol (n=425)

>5 mmol/mol (n=276)



Adjusted

Female (n=16480)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=801)

3–5 mmol/mol (n=747)

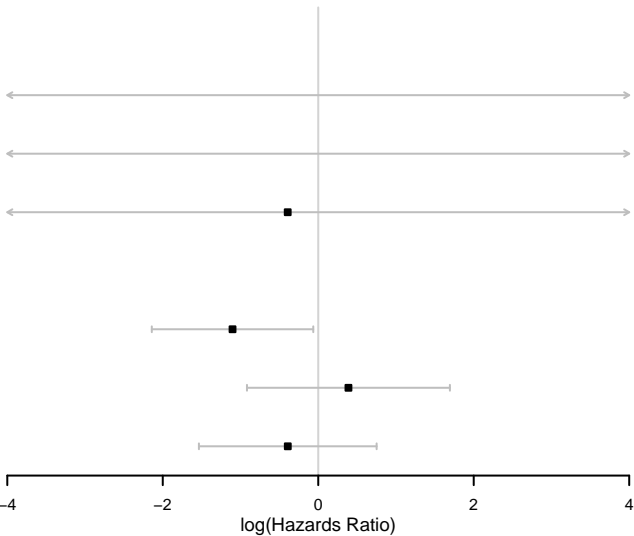
0–3 mmol/mol (n=3183)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=5481)

3–5 mmol/mol (n=4081)

>5 mmol/mol (n=2187)



Male (n=24871)

Predicted HbA1c benefit on SGLT2i

>5 mmol/mol (n=2105)

3–5 mmol/mol (n=3154)

0–3 mmol/mol (n=9281)

Predicted HbA1c benefit on GLP1–RA

0–3 mmol/mol (n=7924)

3–5 mmol/mol (n=1574)

>5 mmol/mol (n=833)

