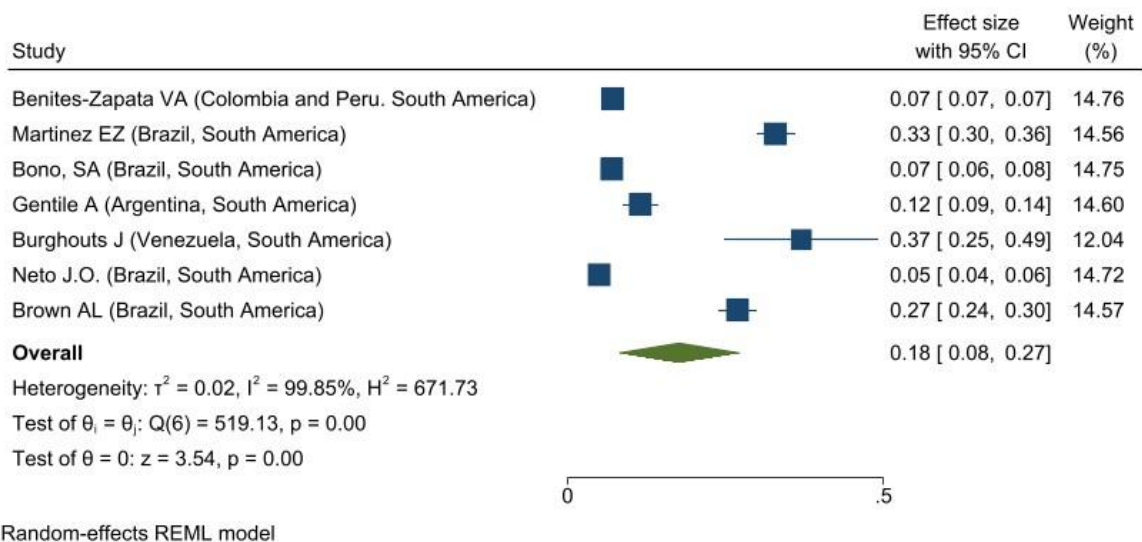
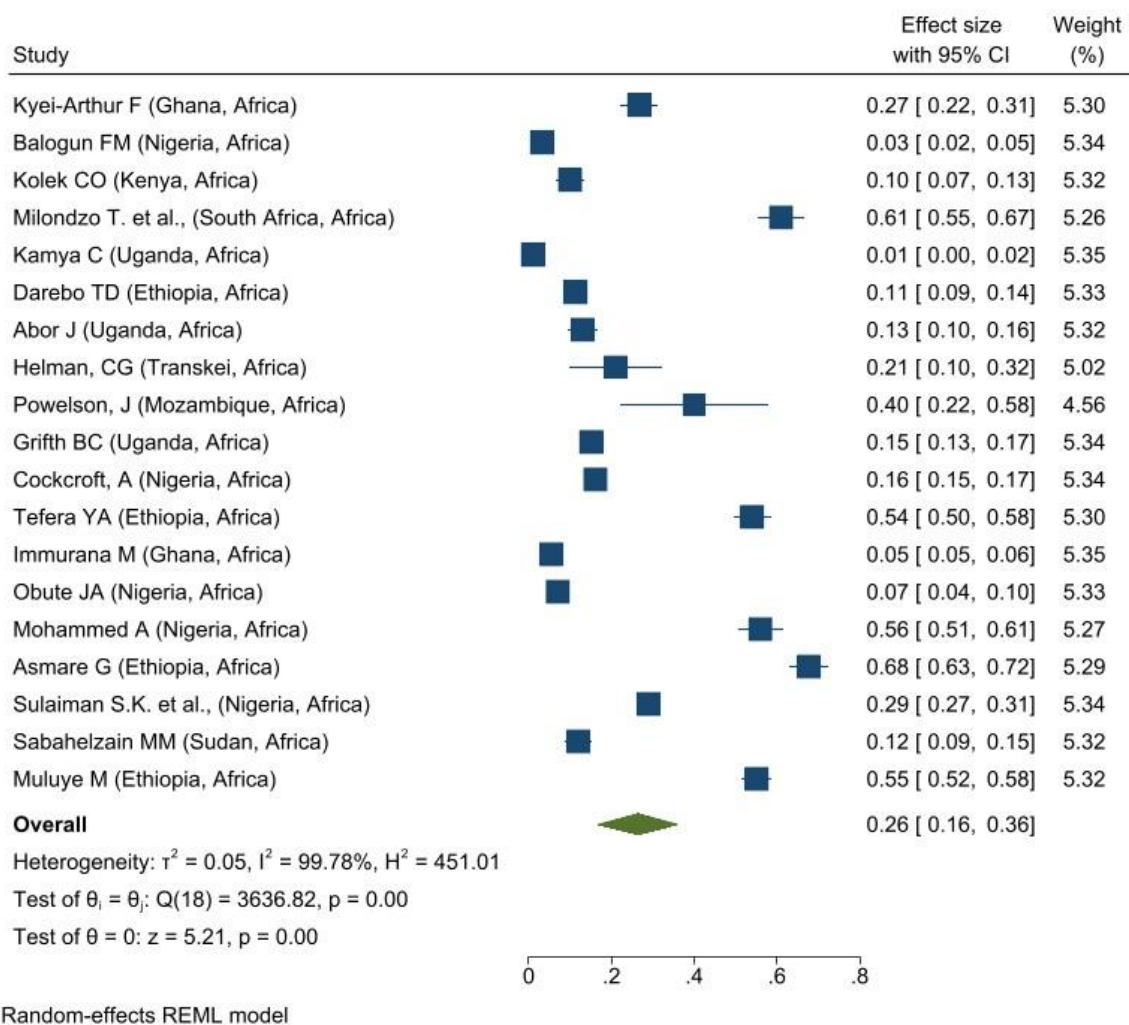


S4 Figure: Forest plot overall prevalence of vaccine hesitancy

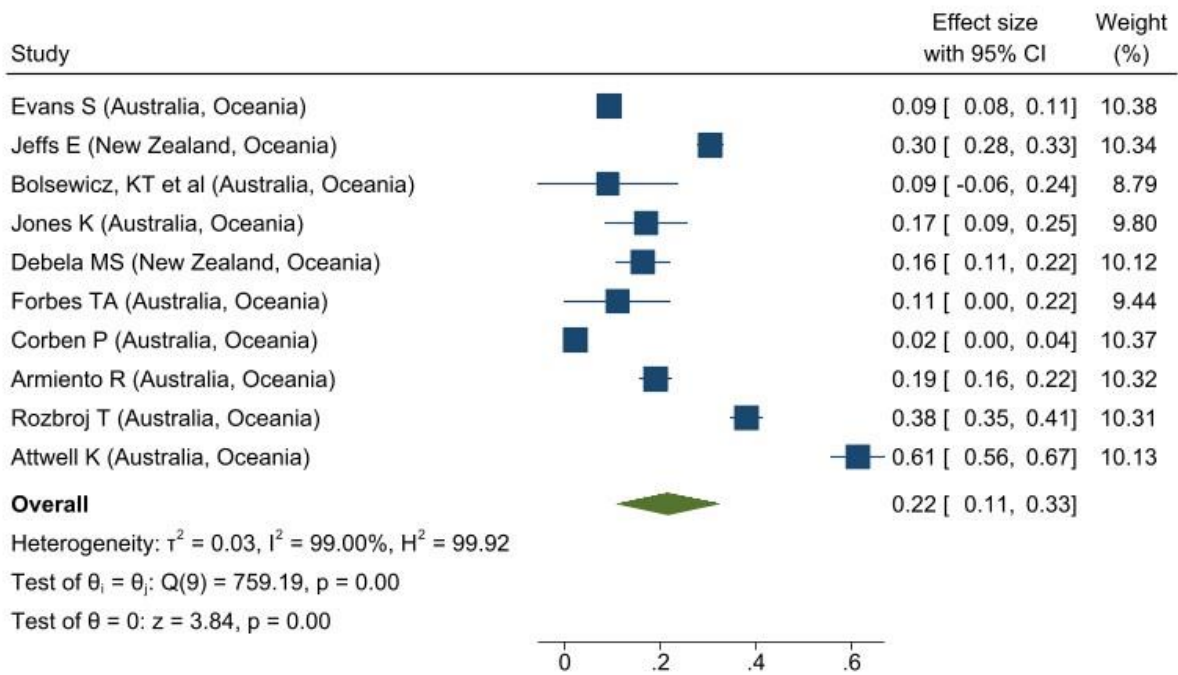
(1) All vaccine



i. *South America region*

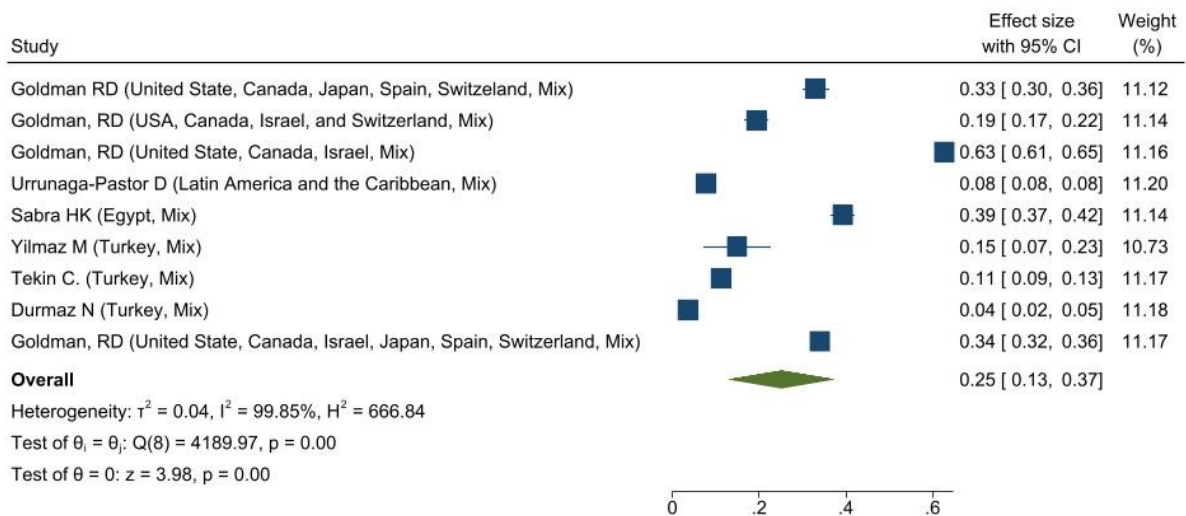


ii. *Africa region*



Random-effects REML model

iii. *Oceania region*

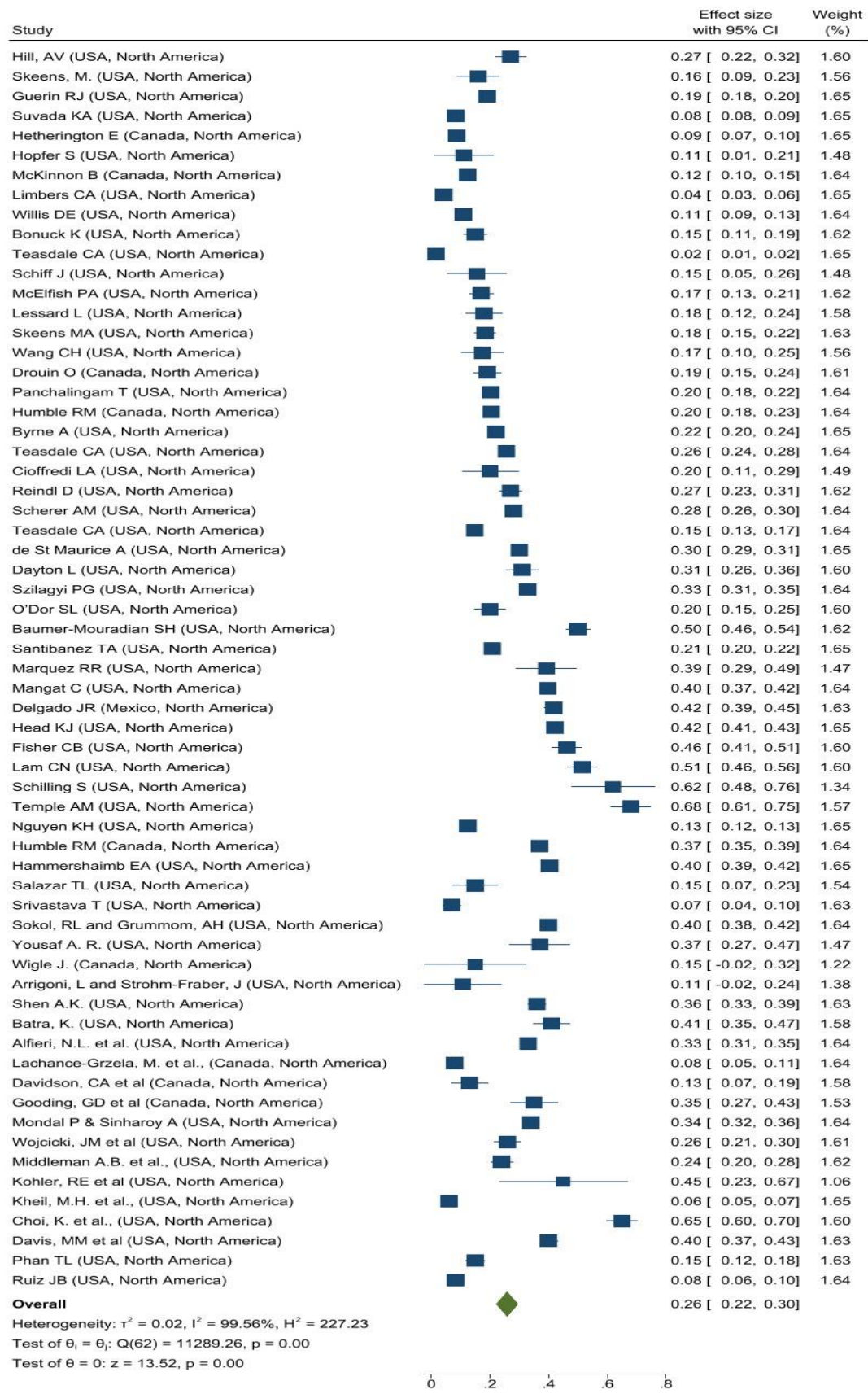


Random-effects REML model

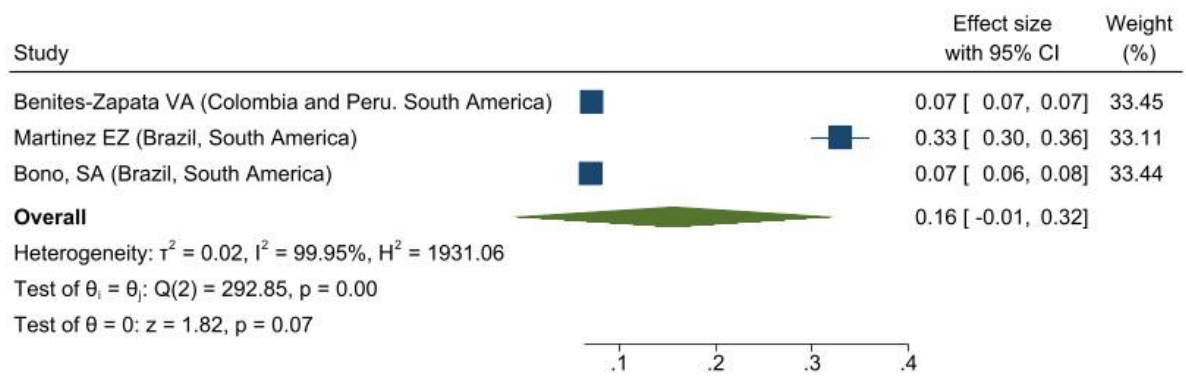
v. *Mix region*

- Forest plot for all regions, Asia, North America and Europe are unable to be generated due to the total of articles (high number of articles) included for all type of vaccines.

(2) Covid-19 vaccine

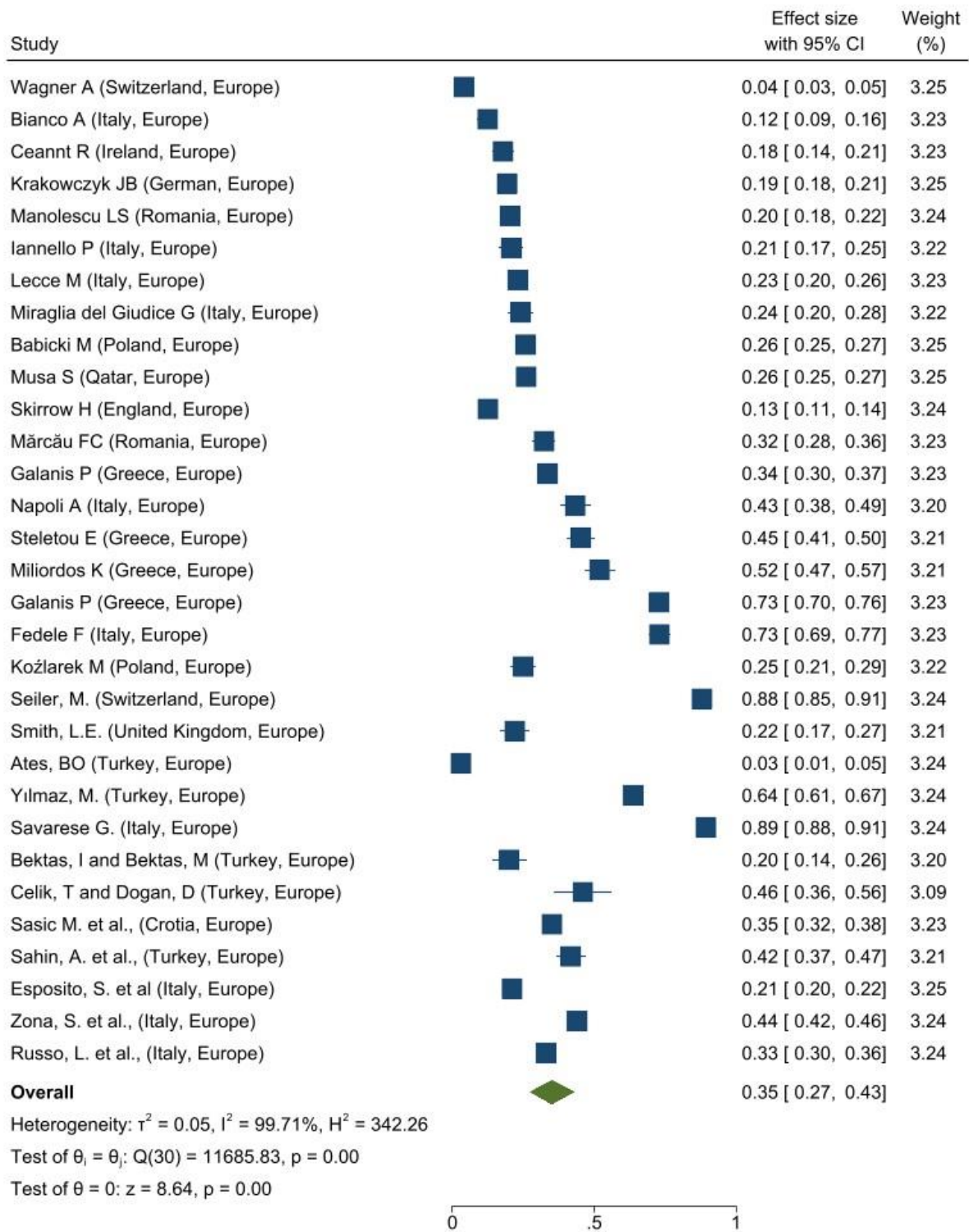


i. *North America region*



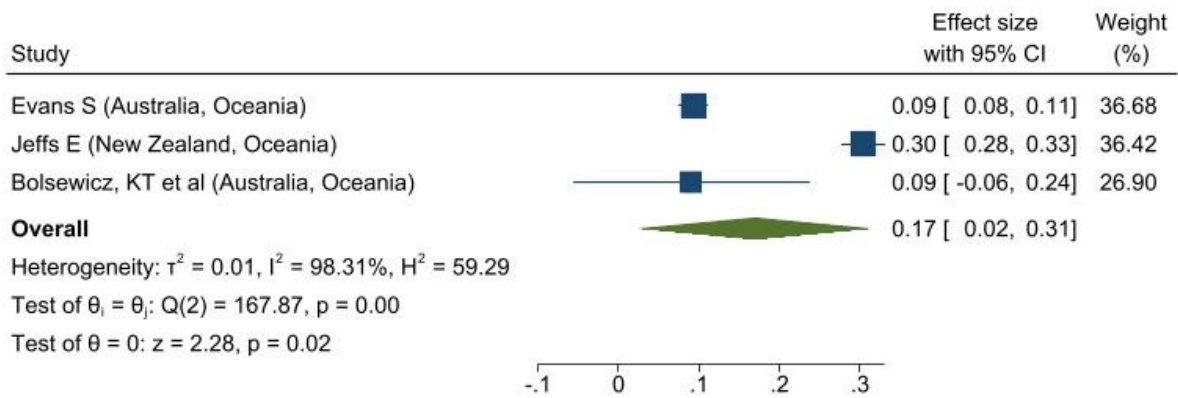
Random-effects REML model

ii. South America region



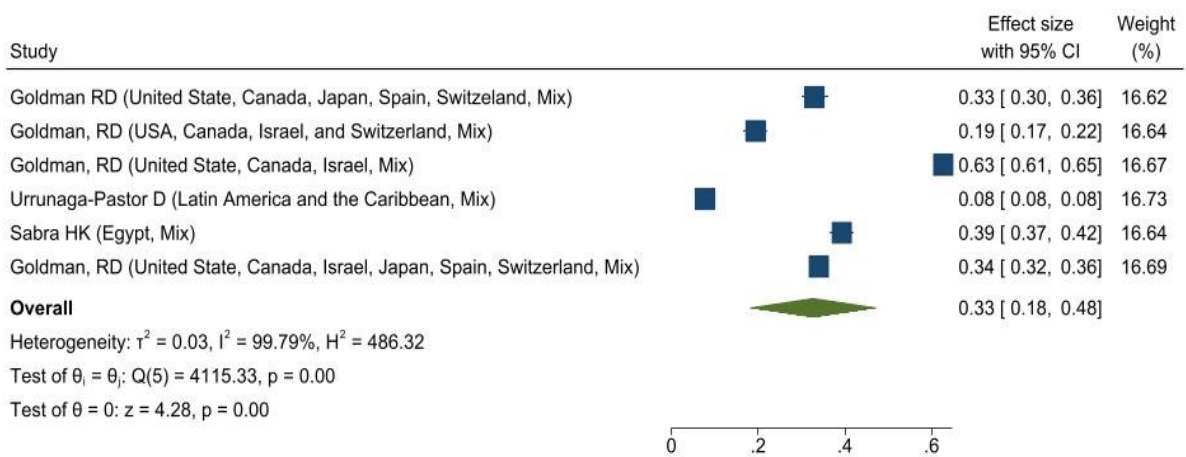
Random-effects REML model

iii. Europe region



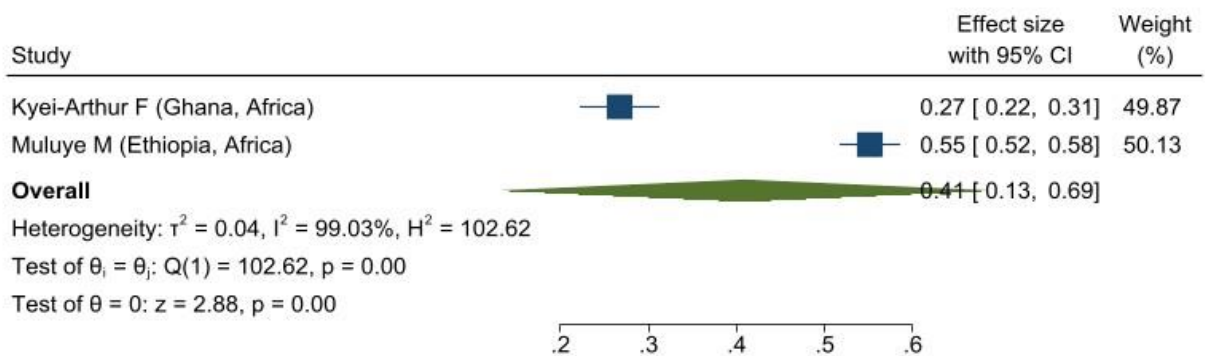
Random-effects REML model

iv. *Oceania region*



Random-effects REML model

v. *Mix region*

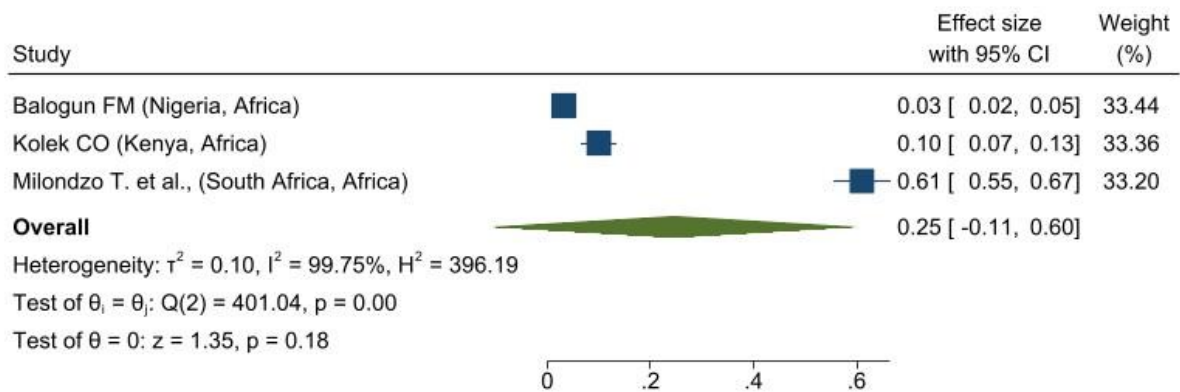


Random-effects REML model

vi. *Africa region*

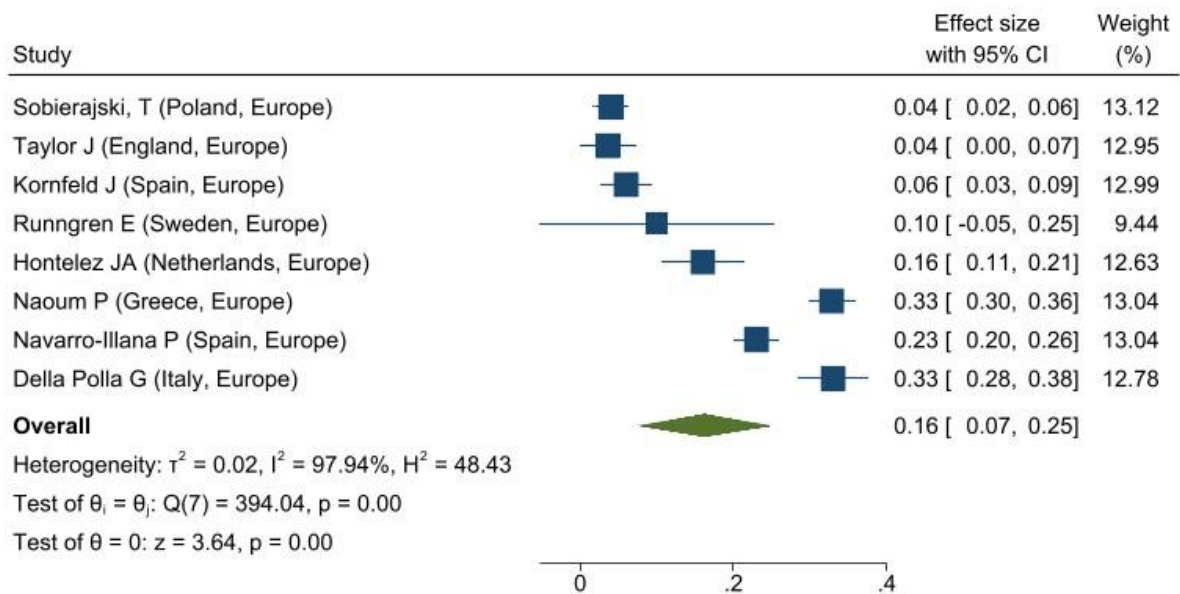
- Forest plot for all regions and Asia are unable to be generated due to the total of articles (high number of articles) included for COVID-19 vaccine.

(3) HPV vaccine



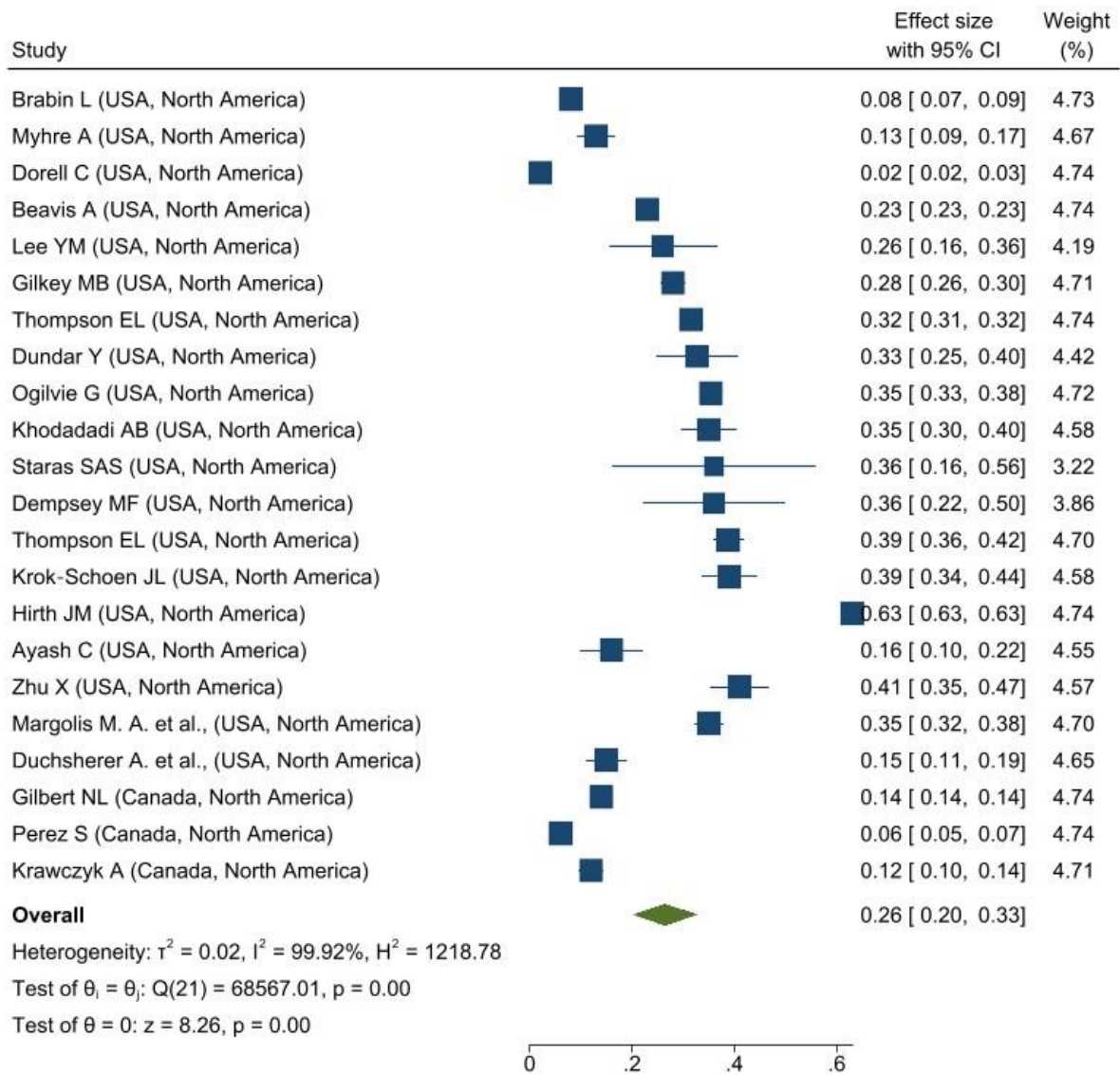
Random-effects REML model

i. Africa region



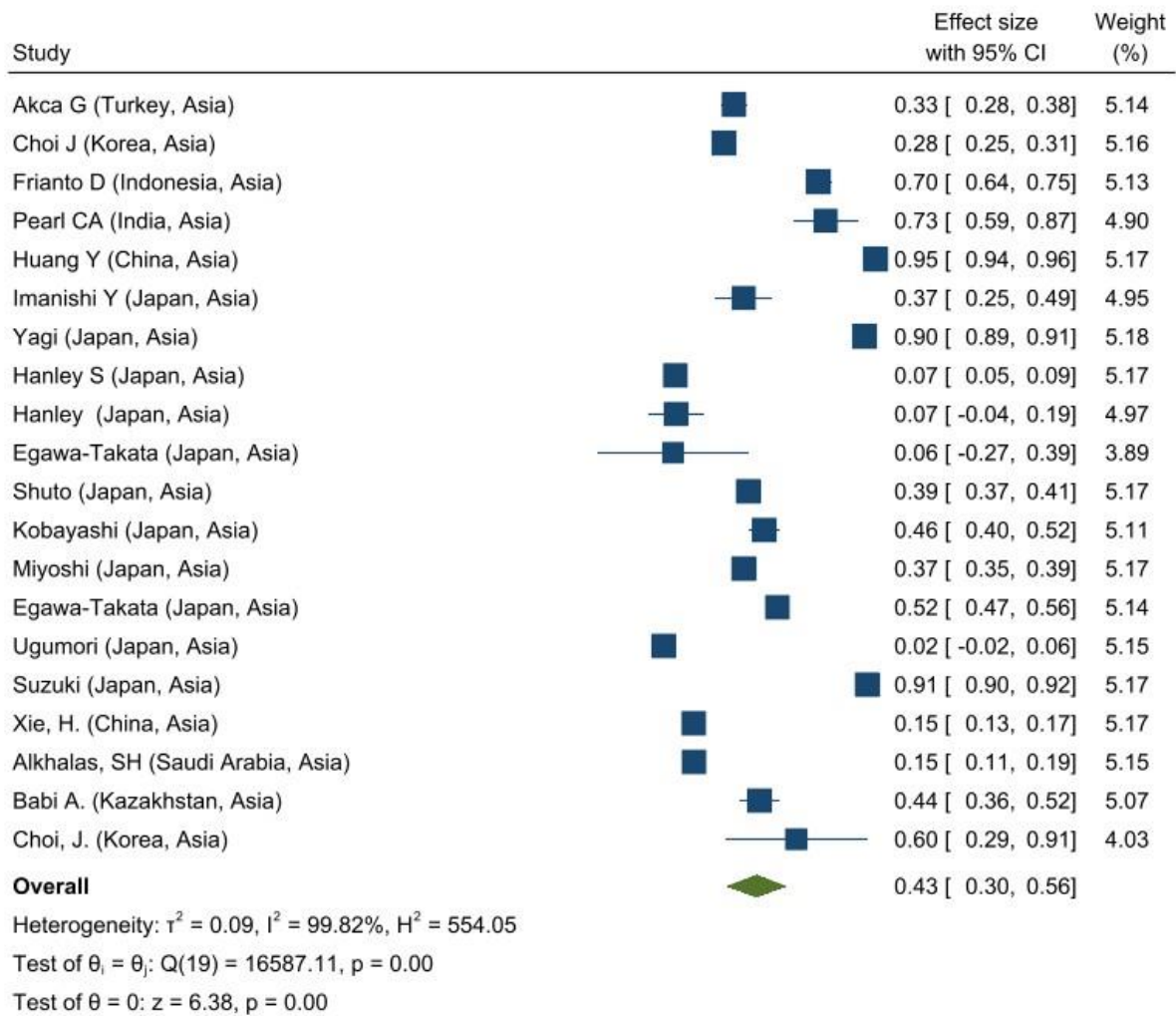
Random-effects REML model

ii. Europe region



Random-effects REML model

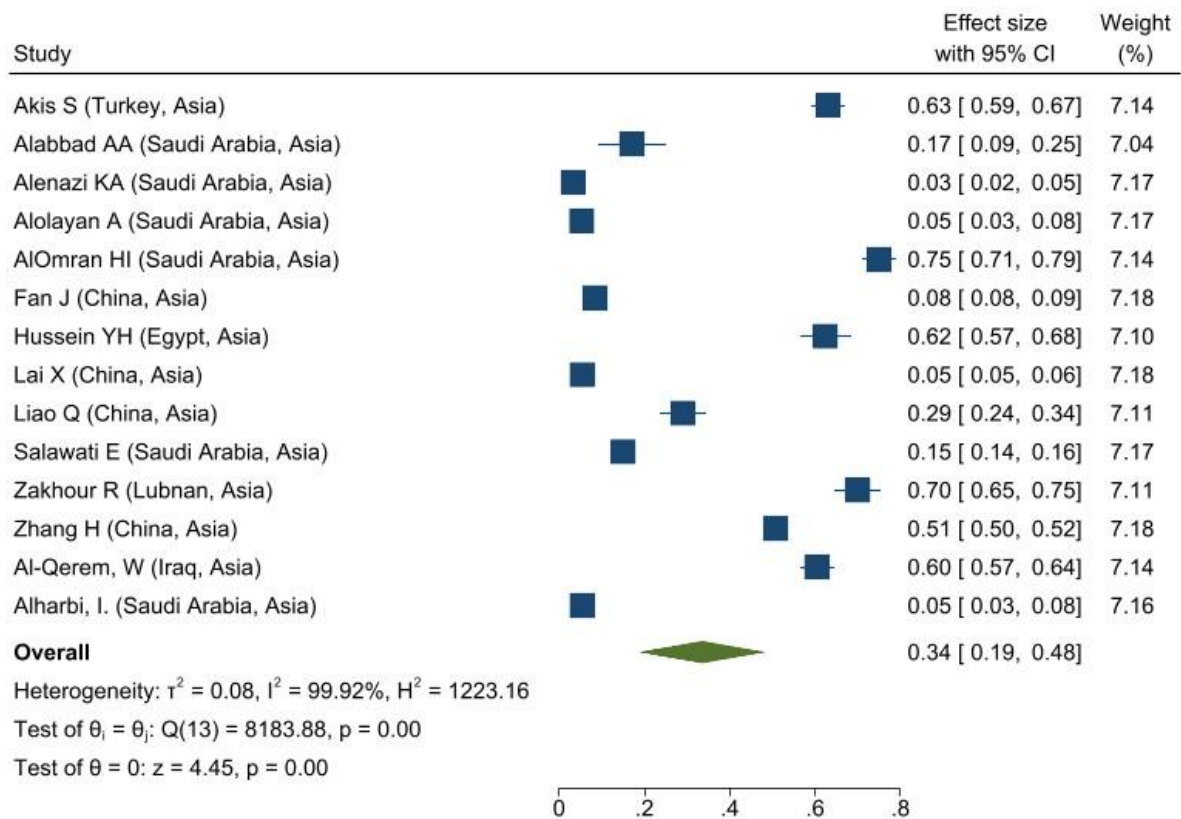
iii. North America region



Random-effects REML model

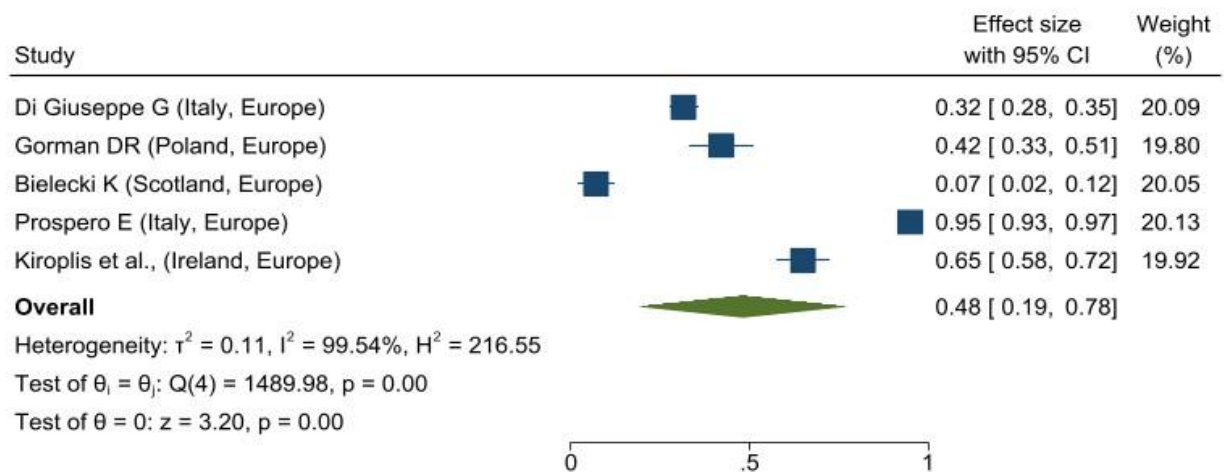
iv. Asia region

4) Influenza vaccine



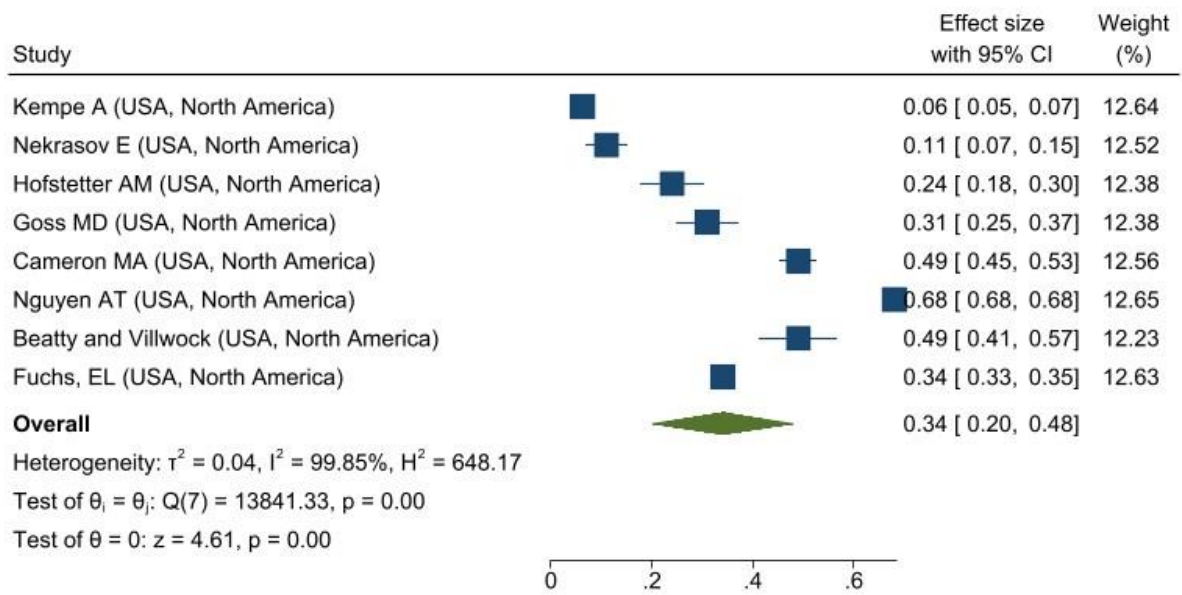
Random-effects REML model

i. Asia region



Random-effects REML model

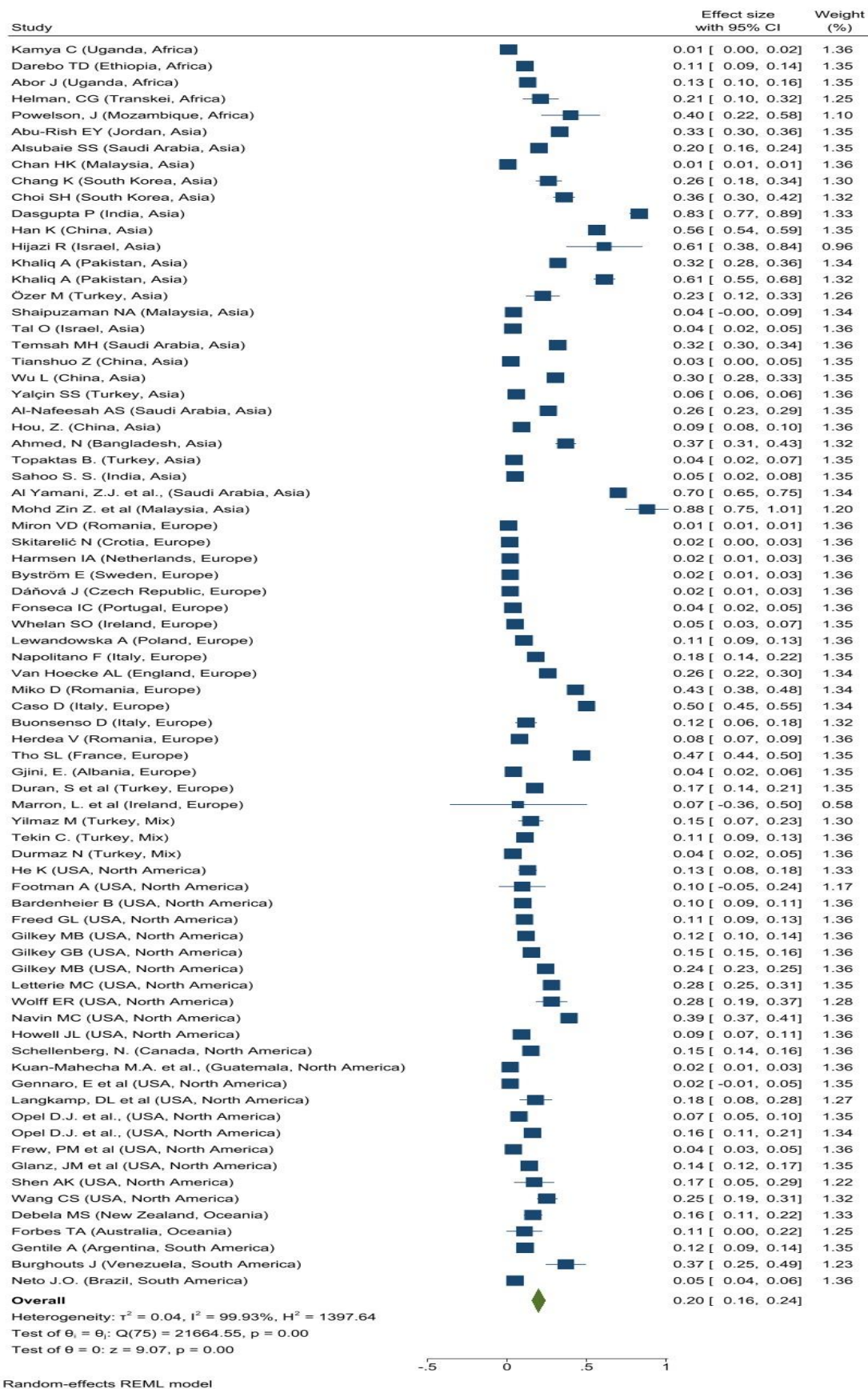
ii. Europe region



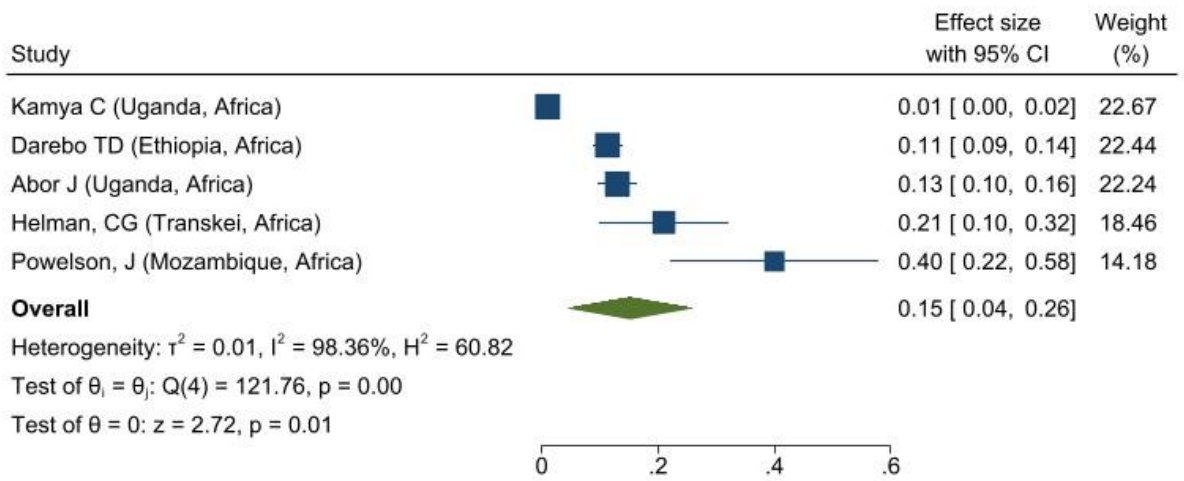
Random-effects REML model

iii. North America

5) Mix vaccine

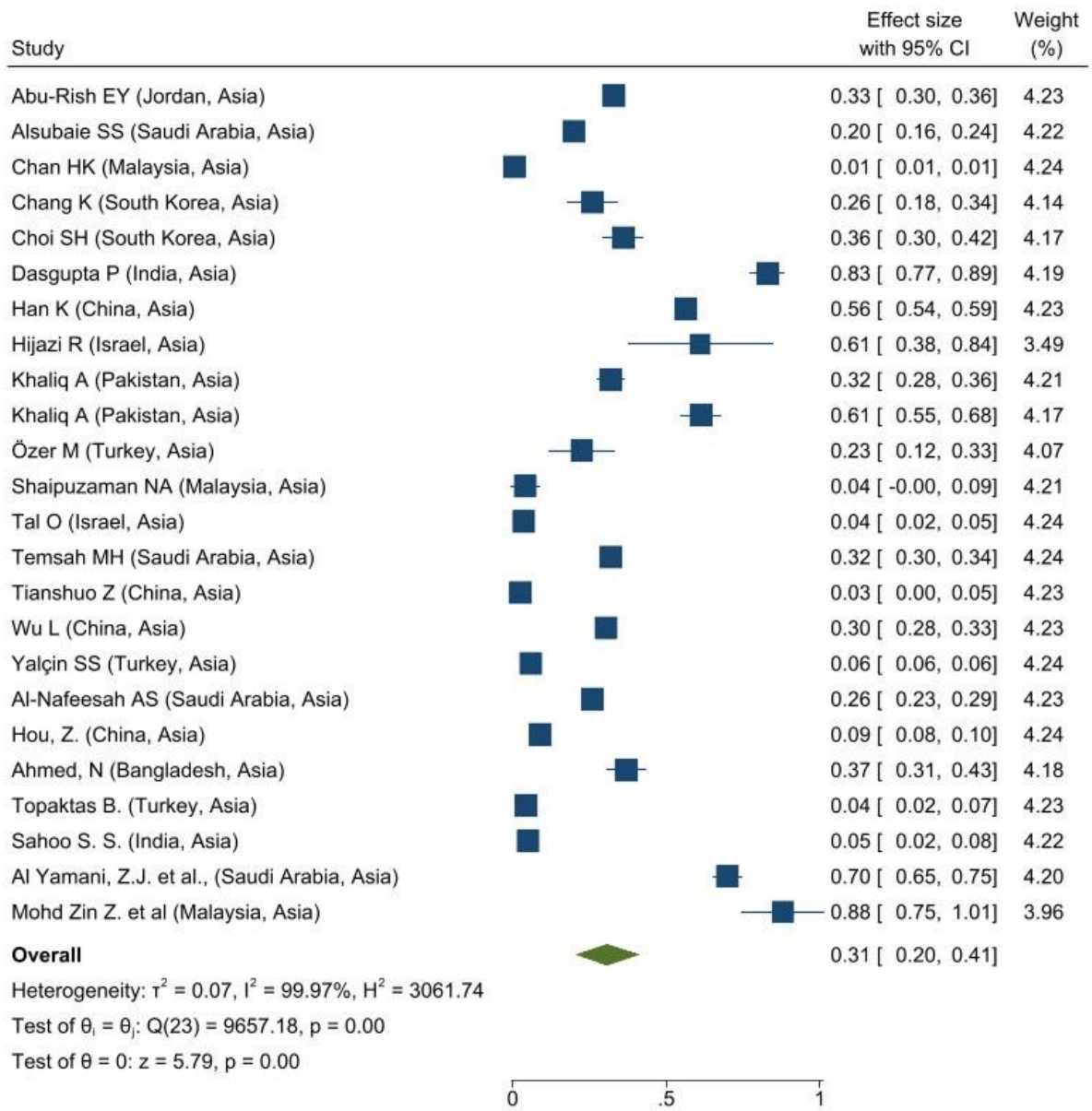


i. All region



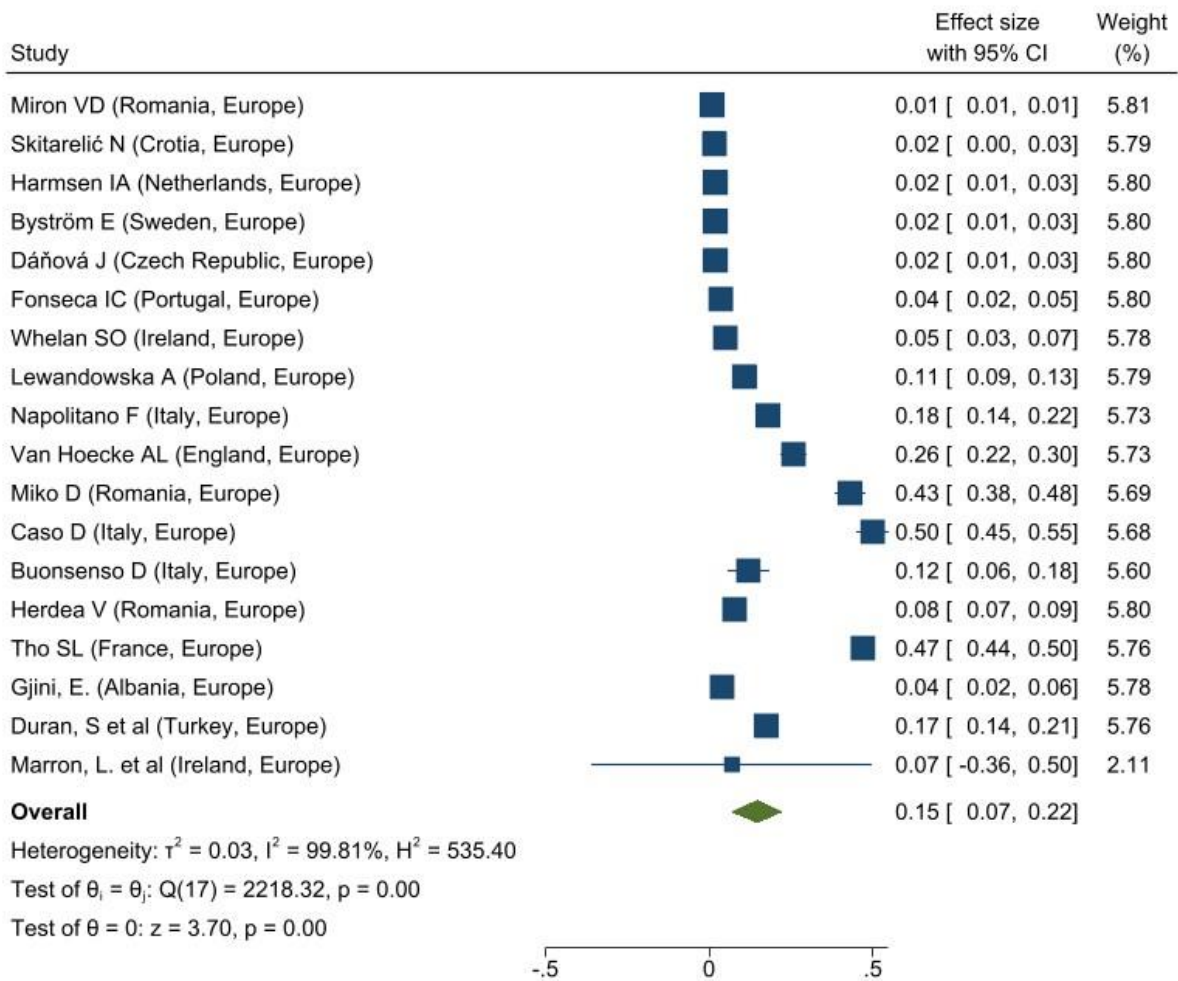
Random-effects REML model

ii. Africa region



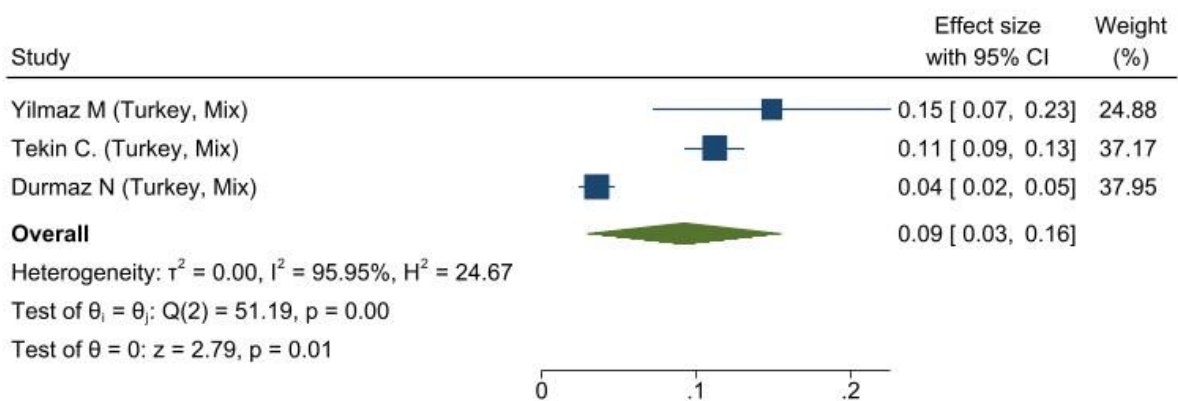
Random-effects REML model

iii. Asia region



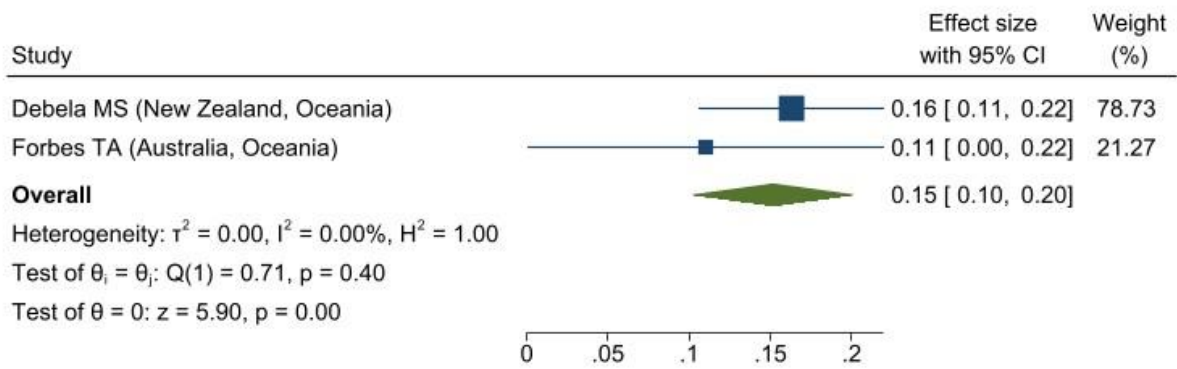
Random-effects REML model

iv. *Europe region*



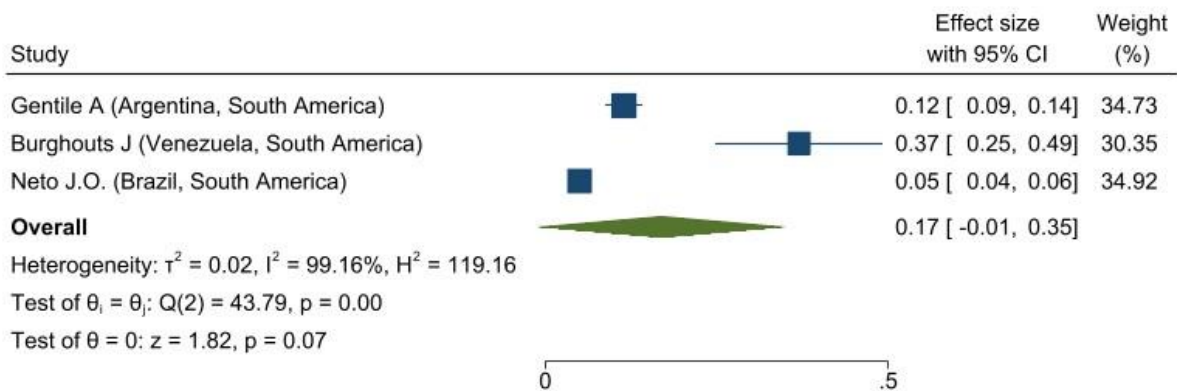
Random-effects REML model

v. *Mix region*



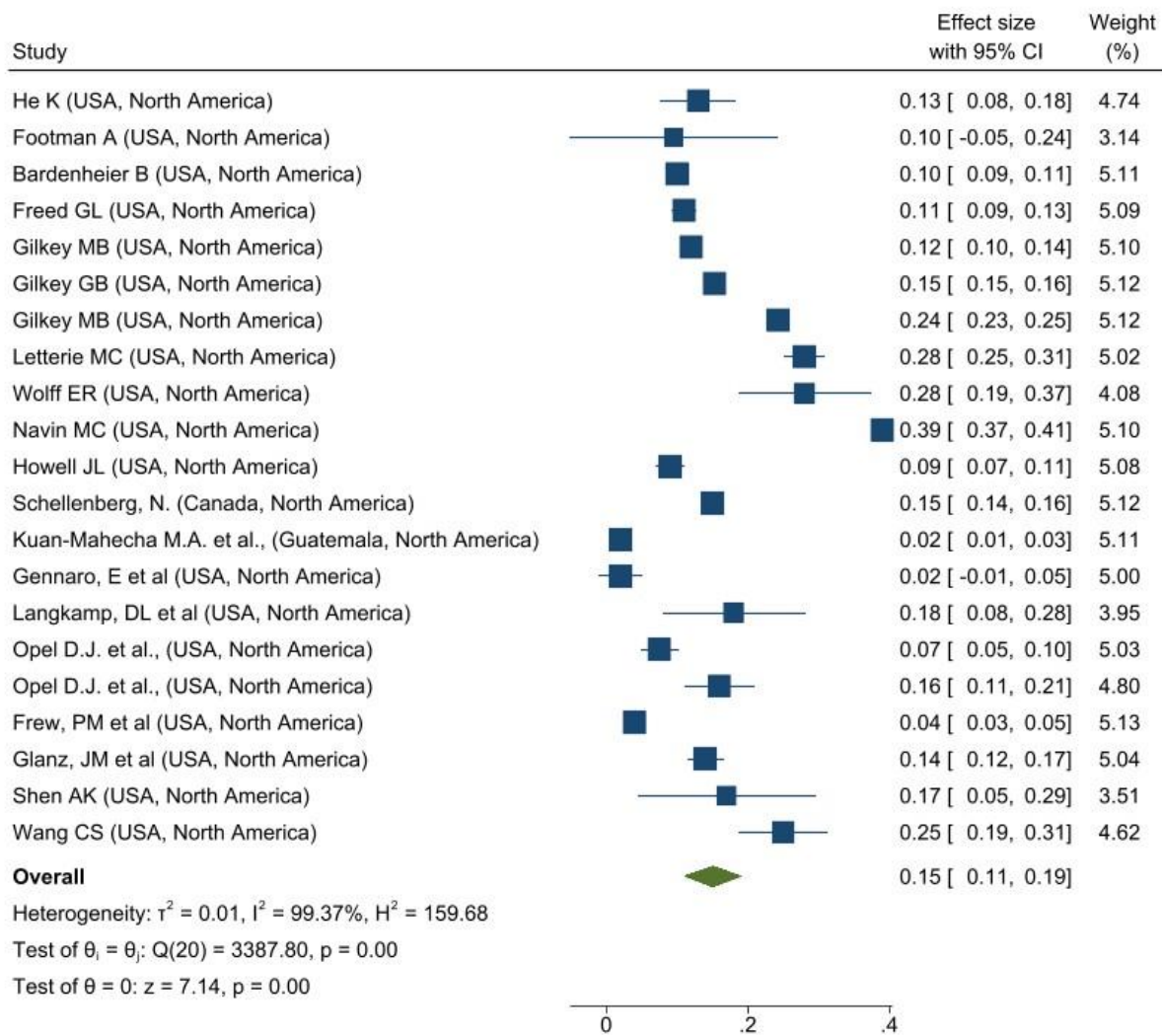
Random-effects REML model

vi. *Oceania region*



Random-effects REML model

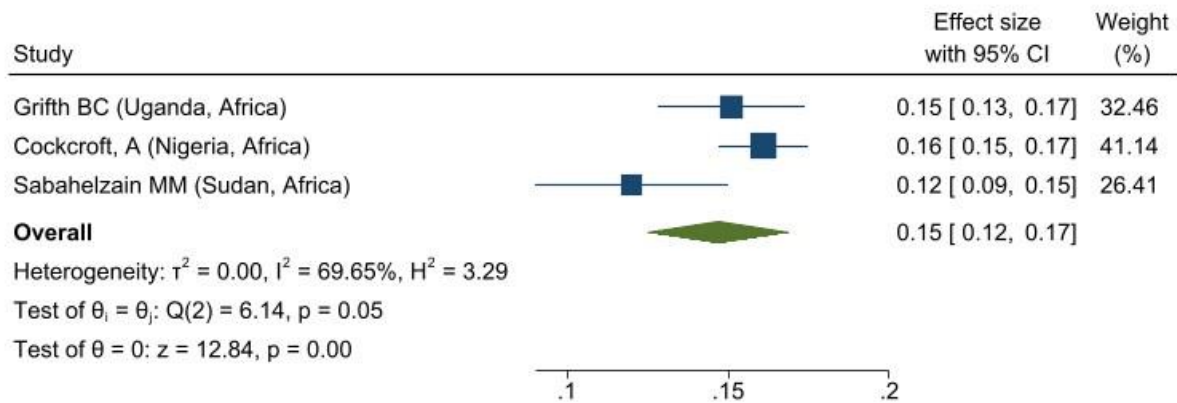
vii. *South America region*



Random-effects REML model

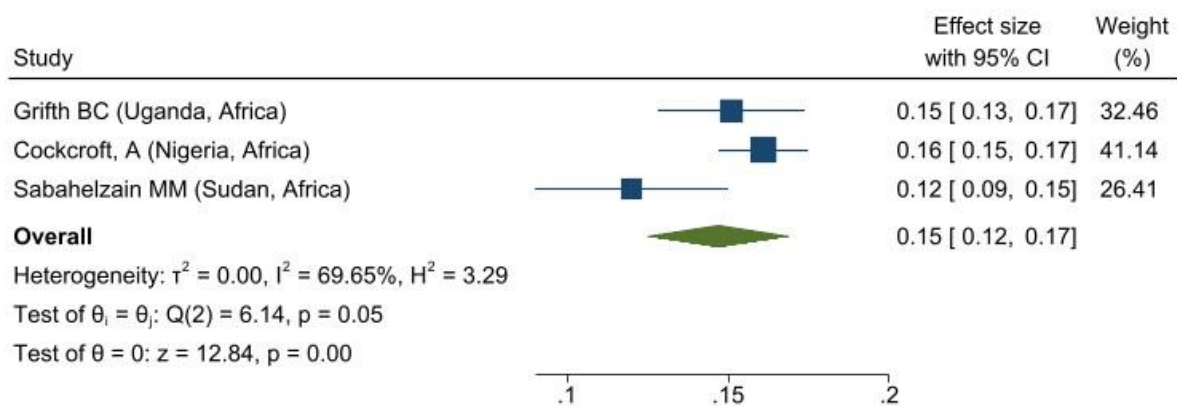
viii. *North America region*

6) MMR vaccine



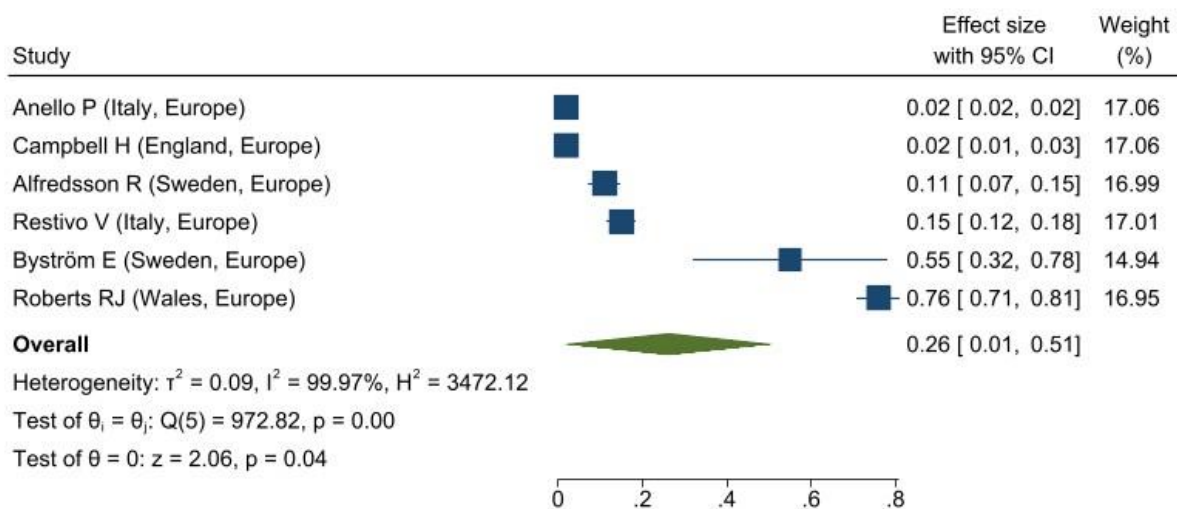
Random-effects REML model

i. Africa region



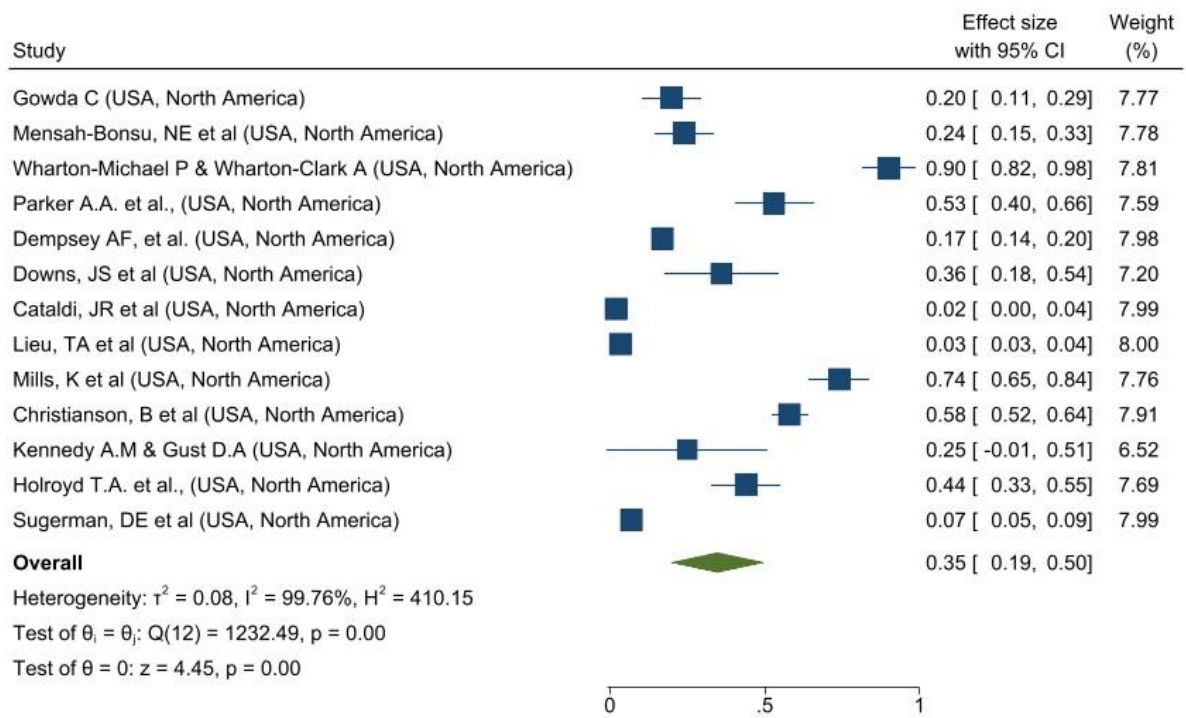
Random-effects REML model

ii. Asia region



Random-effects REML model

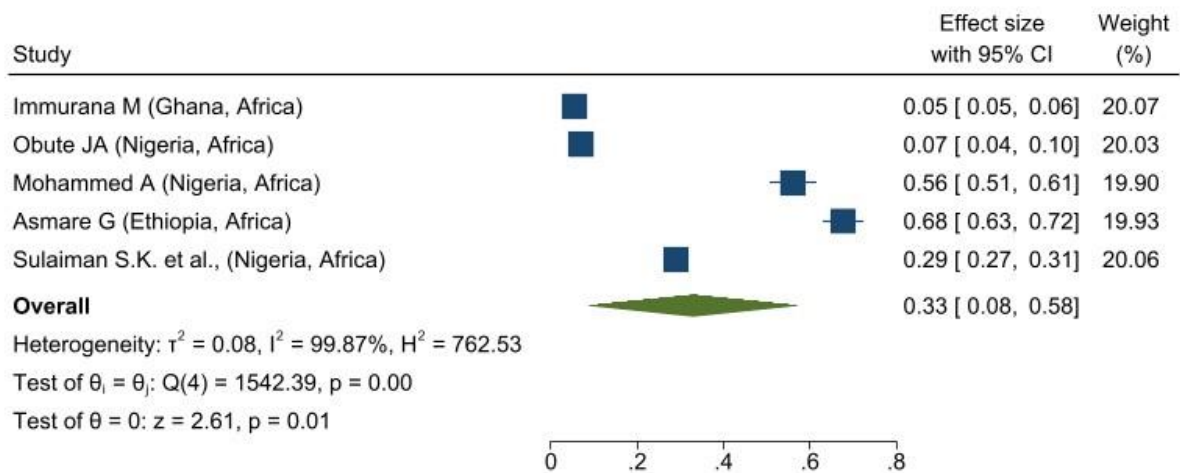
iii. *Europe region*



Random-effects REML model

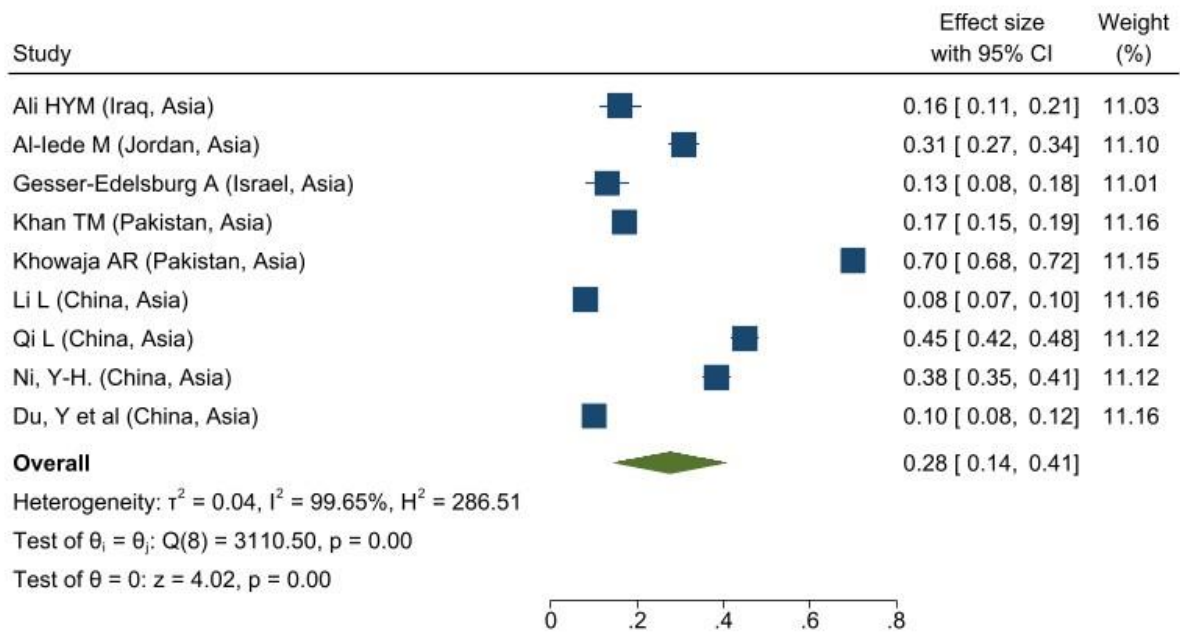
iv. *North America region*

7) Others vaccine



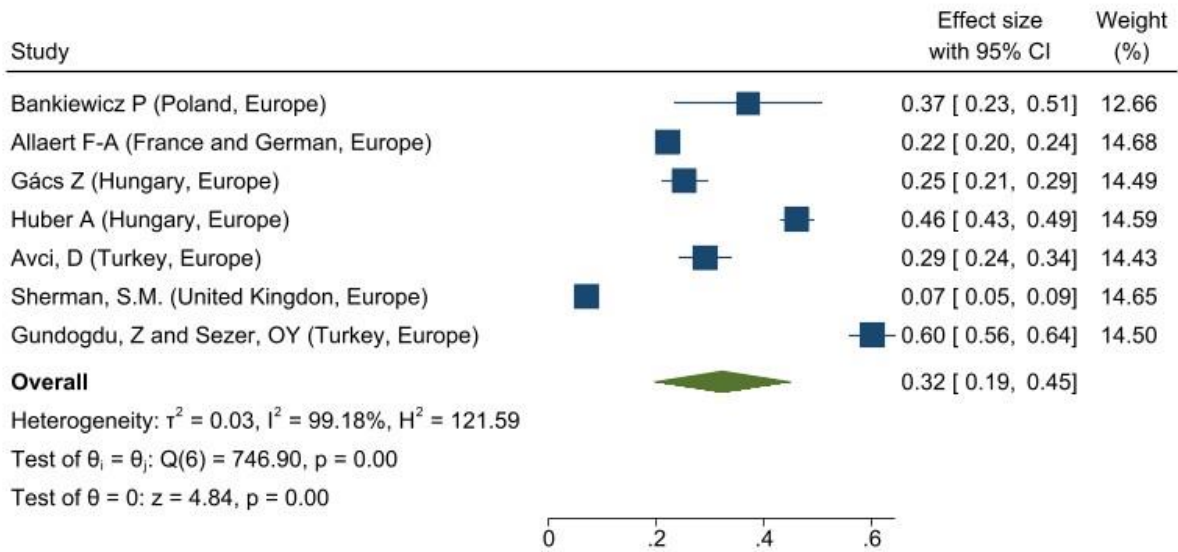
Random-effects REML model

i. Africa region



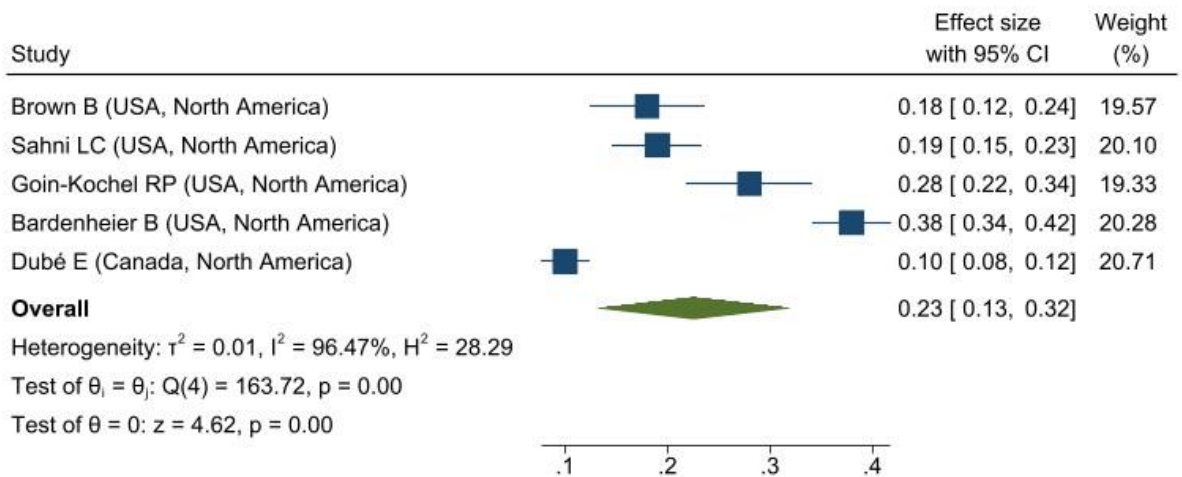
Random-effects REML model

i. Asia region



Random-effects REML model

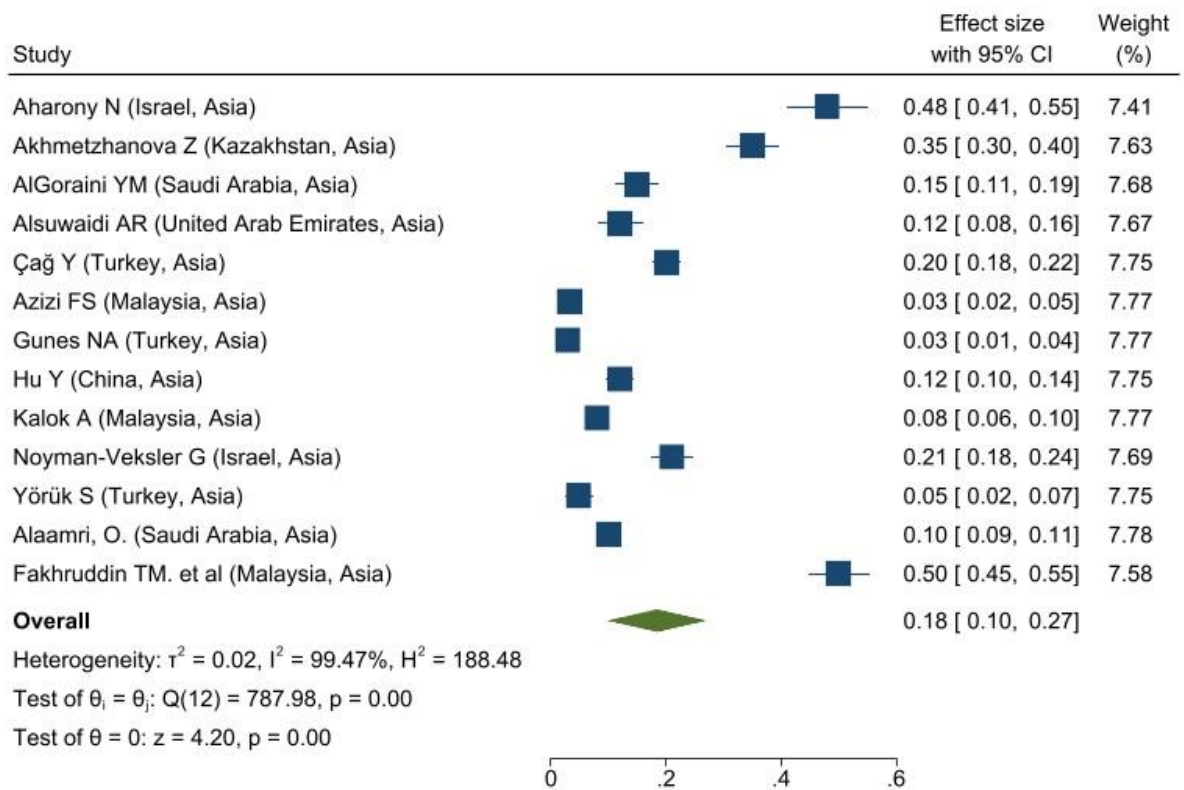
ii. *Europe region*



Random-effects REML model

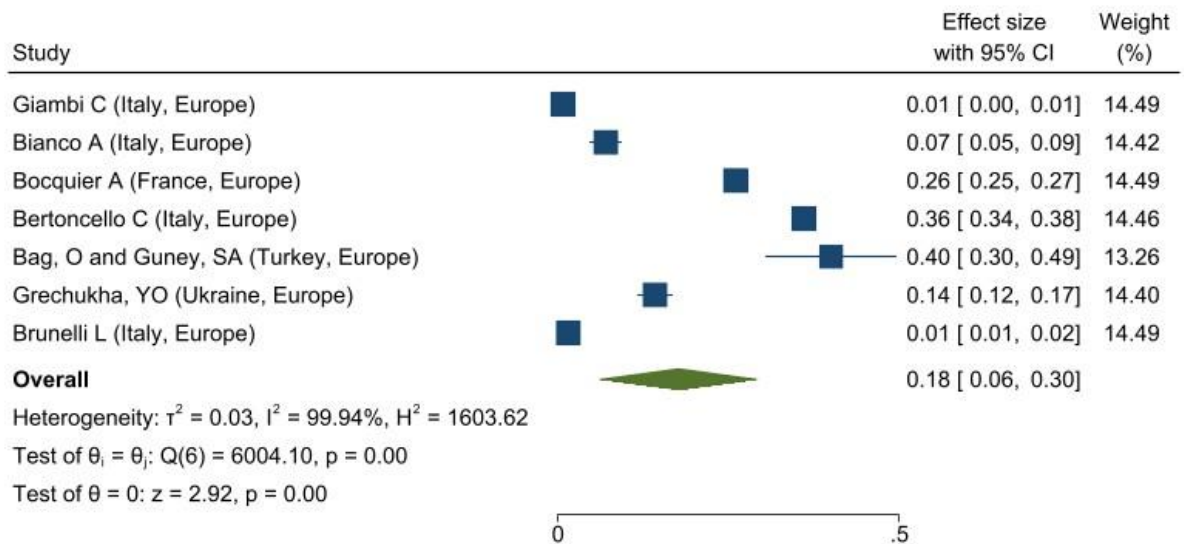
iii. *North America region*

8) Not stated vaccine



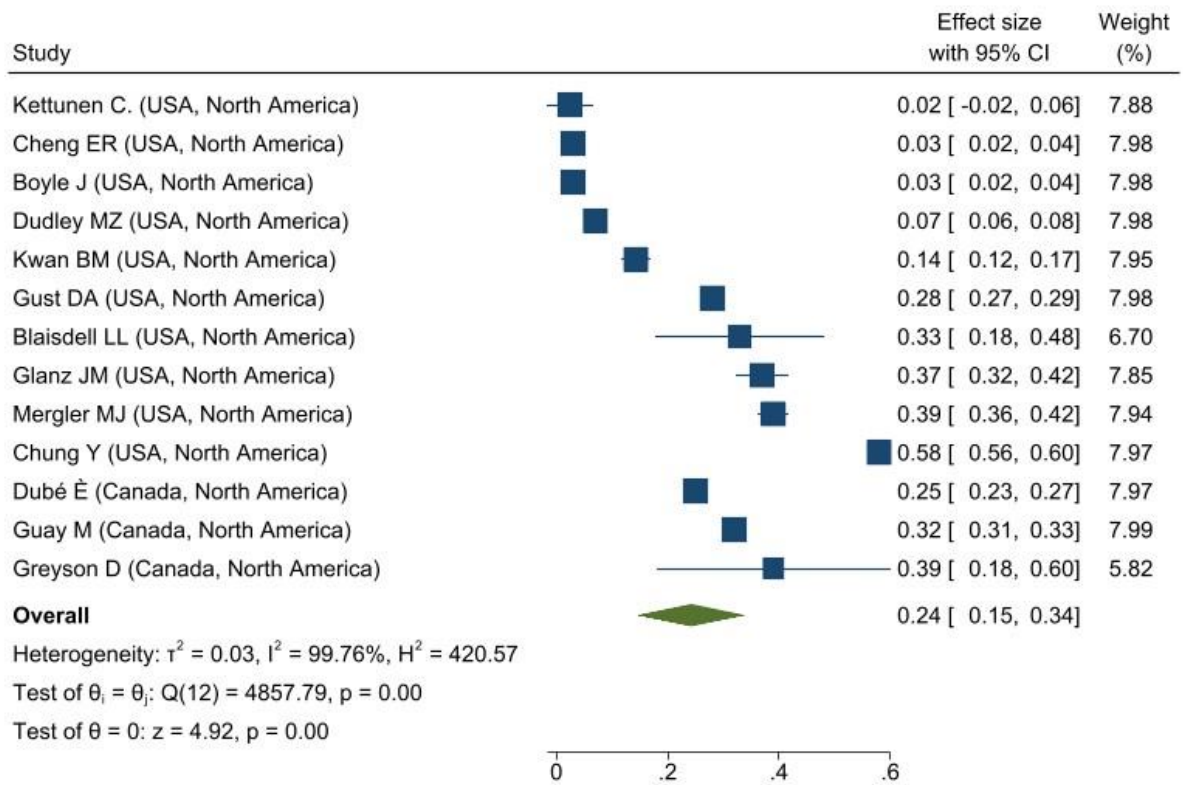
Random-effects REML model

i. Asia region



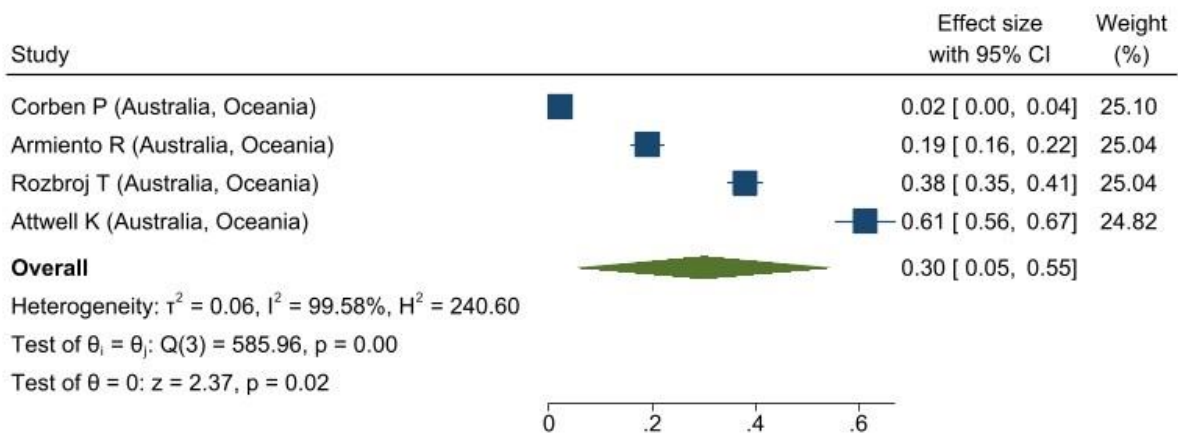
Random-effects REML model

ii. Europe region



Random-effects REML model

iii. *North America region*



Random-effects REML model

iv. *Oceania region*