. import delimited "C:\Users\doqua\Downloads\SeroTracker-Serosurveys-Reporting-Prevalence-Refined.csv" (15 vars, 154 obs)

. meta set es cil ciu, studylabel(studylbl) eslabel("Est. Seroprevalence") studysize(n) civarlevel(95) random(ebayes

Meta-analysis setting information

Study information

No. of studies: 154 Study label: studylbl Study size: n

Effect size

Type: Generic Label: Est. Seroprevalence Variable: **es**

Precision

Std. Err.: _meta_se
CI: [_meta_cil, _meta_ciu] CI level: 95%, controlled by level()

User CI: [cil, ciu]
User CI level: 95%, controlled by civarlevel()

Model and method

Model: Random-effects Method: Empirical Bayes

. meta summarize

Effect-size label: Est. Seroprevalence

Effect size: es Std. Err.: _meta_se Study label: studylbl

Meta-analysis summary Random-effects model Method: Empirical Bayes Number of studies = 154

Heterogeneity:

tau2 = **0.0218** 12 (%) = 99.98H2 = 6268.01

Effect Size: Est. Seroprevalence

S	Study	Effect Size	[95% Conf.	Interval]	% Weight
Lloyd B Mulenga,	2020	0.021	0.011	0.031	0.65
Neeraj Sood,	2020	0.047	0.024	0.069	0.65
Shiwani Mahajan,	2020	0.040	0.020	0.060	0.65
Holly Biggs,	2020	0.025	0.009	0.041	0.65
Amy K Feehan,	2020	0.036	0.028	0.044	0.65
Shuchi Anand,	2020	0.093	0.088	0.099	0.65
Matthew Samore,	2020	0.008	0.001	0.016	0.65
Kristina Bajema,	2020	0.032	0.006	0.058	0.65
Kristen Maleck,	2020	0.016	0.007	0.026	0.65
Kristen Maleck,	2020	0.068	0.043	0.094	0.65
Constantin Yiannoutsos,	2020	0.026	0.020	0.032	0.65
Tim Bruckner,	2020	0.113	0.087	0.138	0.65
Philip A Chan,	2020	0.029	0.003	0.055	0.65
Elaine Symanski,	2020	0.135	0.090	0.181	0.64
Ahmed R Alsuwaidi,	2020	0.104	0.095	0.114	0.65
Helen Ward,	2020	0.048	0.047	0.050	0.65

Shamez Ladhani, 2020 Shamez Ladhani, 2020 Shamez Ladhani, 2020 Ratherine Gaskell, 2020 Ratherine Gaskell, 2020 Rellen C Hughes, 2020 Helen Ward, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Rellen C Hughes, 2020 Agne Ulyte, 2020 Rellen C Hughes, 2020 Rellen C Hughes, 2020 Rellen Ward, 2021 Rellen Ward, 2021 Rellen Ward, 2020 Rellen								
Shamez Ladhani, 2020 Shamez Ladhani, 2020 Shamez Ladhani, 2020 Ratherine Gaskell, 2020 Ellen C Hughes, 2020 Helen Ward, 2020 Helen Ward, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 O.033 O.013 Aude Richard, 2020 O.045 Niclas Roxhed, 2020 Niclas Roxhed, 2020 Niclas Roxhed, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jake Kleynhans, 2021 O.260 Mohamed Bailor Barrier, 2021 Anna Popova, 2020 Mohamed Bairo Barrier, 2021 Anna Popova, 2020 Anton Barchuk, 2020 Carlos Alvarez Antonio, 2020 Charles Huamani, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Muhammed Imran Nisar, 2020 Muhammed		2020	Helen Ward.	2020	0.044	0.043	0.045	0.65
Shamez Ladhani, 2020 Katherine Gaskell, 2020 Ellen C Hughes, 2020 Helen Ward, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Silvia Stringhini, 2020 Aude Richard, 2020 Niclas Roxhed, 2020 Paula Iruzubieta, 2020 Paula Iruzubieta, 2021 Paula Iruzubieta, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Anna Popova, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Carlos Alvarez Antonio, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran							0.150	0.65
Katherine Gaskell, 2020 Ellen C Hughes, 2020 Helen Ward, 2020 Helen Ward, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Agne Ulyte, 2020 Silvia Stringhini, 2020 Aude Richard, 2020 Paula Iruzubieta, 2021 Paula Iruzubieta, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Aude Richard, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Charles Huamani, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Amy F Reyes Vega, 2020 Charles Huamani, 2020 Amy F Reyes Vega, 2020 Audhammed Imran Nisar, 2020 Muhammed Imran Nisar, 2020 Muhame							0.138	0.65
Ellen C Hughes, 2020 Helen Ward, 2020 Agne Ulyte, 2020 Aude Richard, 2020 Aude Richard, 2020 Aude Richard, 2020 All Iruzubieta, 2020 Paula Iruzubieta, 2020 Sebastian Videla, 2021 Alakie Kleynhans, 2021 Alakie Kleynhans, 2021 Alakie Kleynhans, 2021 Alakie Kleynhans, 2021 Anna Popova, 2020 Anna Popova, 20			-	1			0.670	0.65
Helen Ward, 2020 Agne Ulyte, 2020 Bell Silvia Stringhini, 2020 Aude Richard, 2020 Niclas Roxhed, 2020 Niclas Roxhed, 2020 Paula Truzubieta, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Bell Luisa Canto e Castro, 2021 Dagy Lorent, 2020 Charles Huamani, 2021 Dagy Lorent, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020							0.085	0.65
Agne Ulyte, 2020 Silvia Stringhini, 2020 Aude Richard, 2020 Aude Richard, 2020 Olivia Stringhini, 2020 Aude Richard, 2020 Olivia Stringhini, 2021 Oliv			<u> </u>	1			0.050	0.65
Silvia Stringhini, 2020 Aude Richard, 2020 Aude Richard, 2020 Niclas Roxhed, 2020 Niclas Roxhed, 2020 Paula Iruzubieta, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Amario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anton Barchuk, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran N							0.053	0.65
Aude Richard, 2020 Niclas Roxhed, 2020 Niclas Roxhed, 2020 Paula Iruzubieta, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Muh				I			0.230	0.65
Niclas Roxhed, 2020 Paula Iruzubieta, 2020 Paula Iruzubieta, 2021 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Rleynhans, 2020 Manio Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Muhammed			9 .	I			0.089	0.65
Paula Truzubieta, 2020 Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anna Po							0.147	0.65
Sebastian Videla, 2021 Jaya George, 2020 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 A Yu Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Eun Hee Nah, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Cristian Diaz Velez, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Chartal Snoeck, 2020 Kastytis Smigelskas, 2020 Chartal Snoeck, 2020 Roberto Melotti, 2020 Mohsein Poustchi, 2020 Mohsein Poustchi, 2020 Mohsein Poustchi, 2020 Manoj Murhekar, 2020 Mandini Sharma, 2020 Amitav Banerjee, 2020 Amitav Banerjee, 2020 Amitav Banerjee, 2020 Amitav Banerjee, 2020 Amitani Sharma, 2020			-	ı			0.042	0.65
Jaya George, 2020 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anton Barchuk, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Mo				ı			0.141	0.65
Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Jackie Kleynhans, 2021 Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 Anna			-	1			0.303	0.65
Jackie Kleynhans, 2021 0.410 0.370 0.48			, ,	1			0.295	0.64
Mario Poljak, 2020 Mohamed Bailor Barrie, 2021 Anna Popova, 2020 A Yu Popova, 2020 Anna Popova, 2020 Anitav Banerjee, 2020 Anitav Banerj				1			0.450	0.64
Mohamed Bailor Barrie, 2021 Anna Popova, 2020 A Yu Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Bull Hee Nah, 2020 Eun Hee Nah, 2020 Bull Hee							0.014	0.65
Anna Popova, 2020 A Yu Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Ben Hee Nah, 2020 Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran Nis							0.034	0.65
A Yu Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anna Popova, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Eun Hee Nah, 2020 Curistian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Eric Vos, 2020 E				1			0.062	0.65
Anna Popova, 2020 Anton Barchuk, 2020 Eun Hee Nah, 2020 Bun Hee Nah, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Mary F Reyes Vega, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran Ni				l l			0.512	0.65
Anton Barchuk, 2020 Eun Hee Nah, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020				ı			0.320	0.65
Eun Hee Nah, 2020 Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Erik Anda, 2021 Erik Vos, 2020				ı			0.092	0.65
Luisa Canto e Castro, 2021 Dagny Lorent, 2020 Charles Huamani, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran Nisar							0.006	0.65
Dagny Lorent, 2020 Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Eri				I			0.188	0.65
Charles Huamani, 2020 Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mary Muhammed Imran Nisar, 2020 Mohsina Haq, 2021 Eric Vos, 2020 Mohsina Haq, 2021 Eric Vos, 2020 Er							0.014	0.65
Carlos Alvarez Antonio, 2020 Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Erik Anda, 2021 Erik Os, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Eric			0,				0.362	0.65
Mary F Reyes Vega, 2020 Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Eric Vos, 2020 Mohammed Imran Nisar, 2020 Mohammed Imran Nisar, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Mohammed Imran Nisar, 2020 Mohammed Imran Misar, 2020 Mohammed Imran Nisar, 2020 Mohammed Imran Nisa	C						0.701	0.64
Cristian Diaz Velez, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Erik Anda, 2021 Mohsina Haq, 2020 Eric Vos, 2020 Mohsina Singelskas, 2020 Eric Vos, 2020 Er	C			1			0.240	0.65
Muhammed Imran Nisar, 2020 0.002 -0.002 0.004 Muhammed Imran Nisar, 2020 0.004 -0.002 0.05 Muhammed Imran Nisar, 2020 0.087 0.047 0.12 Muhammed Imran Nisar, 2020 0.151 0.089 0.22 Muhammed Imran Nisar, 2020 0.128 0.081 0.1 Muhammed Imran Nisar, 2020 0.215 0.153 0.2 Muhammed Imran Nisar, 2020 0.209 0.424 0.416 0.4 Eric Vos, 2020 0.009 0.007 0.0 Eric Vos, 2020 0.028 0.029 0.004 0.0 Edgar Rodriguez-Vidales, 2020 0.029 0.044 0.0 0.0 Kastytis Smigelskas, 2020 0.021 0.014 0.0 0.0 <t< td=""><td></td><th></th><td>, ,</td><td>ı</td><th></th><td></td><td>0.314</td><td>0.65</td></t<>			, ,	ı			0.314	0.65
Muhammed Imran Nisar, 2020 0.004 -0.002 0.05 Muhammed Imran Nisar, 2020 0.087 0.047 0.1 Muhammed Imran Nisar, 2020 0.151 0.089 0.2 Muhammed Imran Nisar, 2020 0.128 0.081 0.1 Muhammed Imran Nisar, 2020 0.215 0.153 0.2 Mohsina Haq, 2020 0.424 0.416 0.4 Erik Anda, 2021 0.009 0.007 0.0 Eric Vos, 2020 0.028 0.020 0.0 Eric Vos, 2020 0.029 0.004 0.0 Eric Vos, 2020 0.045 0.038 0.0 Edgar Rodriguez-Vidales, 2020 0.045 0.038 0.0 Edgar Rodriguez-Vidales, 2020 0.021 0.014 0.0 Kastytis Smigelskas, 2020 0.021 0.014 0.0 Kastytis Smigelskas, 2020 0.021 0.014 0.0 Kastytis Smigelskas, 2020 0.014 0.009 0.0 Nobutoshi Nawa, 2020 0.041 0.009 0.0 Roberto Melotti, 2020 0.012 0.002 0.0 Rob							0.006	0.65
Muhammed Imran Nisar, 2020 0.087 0.047 0.12 Muhammed Imran Nisar, 2020 0.151 0.089 0.22 Muhammed Imran Nisar, 2020 0.128 0.081 0.17 Muhammed Imran Nisar, 2020 0.215 0.153 0.22 Mohsina Haq, 2020 0.424 0.416 0.4 Erik Anda, 2021 0.009 0.007 0.0 Eric Vos, 2020 0.028 0.020 0.0 Eric Vos, 2020 0.029 0.004 0.0 Edgar Rodriguez-Vidales, 2020 0.271 0.258 0.0 Chantal Snoeck, 2020 0.021 0.014 0.00 Kastytis Smigelskas, 2020 0.021 0.014 0.00 Isaac Ngere, 2020 0.347 0.318 0.3 Takashi Yoshiyama, 2020 0.014 0.009 0.0 Mobutoshi Nawa, 2020 0.012 0.002 0.0 Gabriele Pagani, 2020 0.012 0.002 0.0 Maryam Shakiba, 2020 0.226 0.166 0.2 Hossein Poustc				ı			0.011	0.65
Muhammed Imran Nisar, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran Nisar, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Mohsina Haq, 2021 Erik Anda, 2021 Eric Vos, 2020 Eric Vos, 2				1			0.127	0.64
Muhammed Imran Nisar, 2020 Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Erik Anda, 2021 Bric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Bric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Bric Vos, 2020 Eric Vos, 2020 Bric Vos, 2020 Bric Vos, 2020 Eric Vos, 2020 Bric Bric Bric Bric Bric Bric Bri			-	1			0.212	0.63
Muhammed Imran Nisar, 2020 Mohsina Haq, 2020 Erik Anda, 2021 Eric Vos, 2020 Eric			-	1			0.175	0.64
Mohsina Haq, 2020 Erik Anda, 2021 Bric Vos, 2020 Br				1			0.277	0.62
Erik Anda, 2021 Eric Vos, 2020 Eric Vos 2020 Er				1			0.432	0.65
Eric Vos, 2020 Eric V			•	ı			0.010	0.65
Eric Vos, 2020 Eric Vos, 2020 Eric Vos, 2020 Edgar Rodriguez-Vidales, 2020 Chantal Snoeck, 2020 Chantal Smigelskas, 2020 Isaac Ngere, 2020 Nobutoshi Nawa, 2020 Gabriele Pagani, 2020 Roberto Melotti, 2020 Maryam Shakiba, 2020 Hossein Poustchi, 2020 Amitav Banerjee, 2020 Mandini Sharma, 2020 Mandini Sharma, 2020 Mandini Sharma, 2020 Modes Mod				ı			0.036	0.65
Eric Vos, 2020							0.053	0.65
Chantal Snoeck, 2020 Kastytis Smigelskas, 2020 Isaac Ngere, 2020 O.014 O.009 O.014 O.009 O.014 O.009 O.015 Takashi Yoshiyama, 2020 Nobutoshi Nawa, 2020 O.012 O.001 O.001 O.000 O.001 O.001 O.000 O.001 O.002 O.001 O.002 O.002 O.001 O.002 O.002 O.002 O.002 O.002 O.002 O.002 O.002 O.003 O.0041 O.003 O.003 O.003 O.0041 O.003 O.003 O.0041 O.003 O.003 O.003 O.0041 O.003 O.003 O.0041 O.003 O.003 O.0041 O.003 O.0041 O.003 O.0041 O.003 O.0041 O.003 O.0041 O.003 O.0041 O					0.045	0.038	0.052	0.65
Kastytis Smigelskas, 2020 0.014 0.009 0.01 Isaac Ngere, 2020 0.347 0.318 0.33 Takashi Yoshiyama, 2020 0.001 0.000 0.00 Nobutoshi Nawa, 2020 0.012 0.002 0.02 Gabriele Pagani, 2020 0.226 0.166 0.22 Roberto Melotti, 2020 0.269 0.252 0.24 Maryam Shakiba, 2020 0.222 0.162 0.24 Hossein Poustchi, 2020 0.171 0.147 0.15 Hossein Poustchi, 2020 0.200 0.184 0.23 Seyed Abbas Mousavi, 2020 0.173 0.158 0.11 Kazem Khalagi, 2020 0.142 0.133 0.15 Parthasarathi Satpati, 2020 0.041 0.022 0.04 Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.24 Nandini Sharma, 2020 0.241 0.234 0.24	Ed	2020	Edgar Rodriguez-Vidales,	2020	0.271	0.258	0.284	0.65
Kastytis Smigelskas, 2020 0.014 0.009 0.01 Isaac Ngere, 2020 0.347 0.318 0.33 Takashi Yoshiyama, 2020 0.001 0.000 0.00 Nobutoshi Nawa, 2020 0.012 0.002 0.02 Gabriele Pagani, 2020 0.226 0.166 0.22 Roberto Melotti, 2020 0.269 0.252 0.24 Maryam Shakiba, 2020 0.222 0.162 0.24 Hossein Poustchi, 2020 0.171 0.147 0.15 Hossein Poustchi, 2020 0.200 0.184 0.23 Seyed Abbas Mousavi, 2020 0.173 0.158 0.11 Kazem Khalagi, 2020 0.142 0.133 0.15 Parthasarathi Satpati, 2020 0.041 0.022 0.04 Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.24 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Chantal Snoeck,	2020	0.021	0.014	0.028	0.65
Takashi Yoshiyama, 2020 0.001 0.000 0.000 Nobutoshi Nawa, 2020 0.012 0.002 0.000 Gabriele Pagani, 2020 0.226 0.166 0.200 0.269 0.252 0.200 0.269 0.252 0.200 0.269 0.250 0.260					0.014	0.009	0.019	0.65
Nobutoshi Nawa, 2020 0.012 0.002 0.02 Gabriele Pagani, 2020 0.226 0.166 0.22 Roberto Melotti, 2020 0.269 0.252 0.24 Maryam Shakiba, 2020 0.222 0.162 0.22 Hossein Poustchi, 2020 0.171 0.147 0.15 Hossein Poustchi, 2020 0.200 0.184 0.22 Seyed Abbas Mousavi, 2020 0.173 0.158 0.11 Kazem Khalagi, 2020 0.142 0.133 0.15 Parthasarathi Satpati, 2020 0.041 0.022 0.06 Manoj Murhekar, 2020 0.007 0.003 0.05 Amitav Banerjee, 2020 0.340 0.313 0.36 Nandini Sharma, 2020 0.247 0.240 0.25 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Isaac Ngere,	2020	0.347	0.318	0.376	0.65
Gabriele Pagani, 2020 0.226 0.166 0.22 Roberto Melotti, 2020 0.269 0.252 0.24 Maryam Shakiba, 2020 0.222 0.162 0.22 Hossein Poustchi, 2020 0.171 0.147 0.15 Hossein Poustchi, 2020 0.200 0.184 0.22 Seyed Abbas Mousavi, 2020 0.173 0.158 0.11 Kazem Khalagi, 2020 0.142 0.133 0.15 Parthasarathi Satpati, 2020 0.041 0.022 0.06 Manoj Murhekar, 2020 0.007 0.003 0.05 Amitav Banerjee, 2020 0.340 0.313 0.36 Nandini Sharma, 2020 0.247 0.240 0.25 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Takashi Yoshiyama,	2020	0.001	0.000	0.002	0.65
Roberto Melotti, 2020		2020	Nobutoshi Nawa,	2020	0.012	0.002	0.023	0.65
Maryam Shakiba, 2020 0.222 0.162 0.234		2020	Gabriele Pagani,	2020	0.226	0.166	0.285	0.63
Hossein Poustchi, 2020 0.171 0.147 0.19 Hossein Poustchi, 2020 0.200 0.184 0.20 Seyed Abbas Mousavi, 2020 0.173 0.158 0.19 Kazem Khalagi, 2020 0.142 0.133 0.19 Parthasarathi Satpati, 2020 0.041 0.022 0.00 Manoj Murhekar, 2020 0.007 0.003 0.00 Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.25 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Roberto Melotti,	2020	0.269	0.252	0.286	0.65
Hossein Poustchi, 2020 0.200 0.184 0.20 Seyed Abbas Mousavi, 2020 0.173 0.158 0.15 Kazem Khalagi, 2020 0.142 0.133 0.11 Parthasarathi Satpati, 2020 0.041 0.022 0.00 Manoj Murhekar, 2020 0.007 0.003 0.00 Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.25 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Maryam Shakiba,	2020	0.222	0.162	0.282	0.63
Seyed Abbas Mousavi, 2020 0.173 0.158 0.18 Kazem Khalagi, 2020 0.142 0.133 0.19 Parthasarathi Satpati, 2020 0.041 0.022 0.06 Manoj Murhekar, 2020 0.007 0.003 0.09 Amitav Banerjee, 2020 0.340 0.313 0.36 Nandini Sharma, 2020 0.247 0.240 0.24 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Hossein Poustchi,	2020	0.171	0.147	0.196	0.65
Kazem Khalagi, 20200.1420.1330.19Parthasarathi Satpati, 20200.0410.0220.00Manoj Murhekar, 20200.0070.0030.00Amitav Banerjee, 20200.3400.3130.30Nandini Sharma, 20200.2470.2400.29Nandini Sharma, 20200.2410.2340.24		2020	Hossein Poustchi,	2020	0.200	0.184	0.216	0.65
Parthasarathi Satpati, 2020 0.041 0.022 0.00 Manoj Murhekar, 2020 0.007 0.003 0.03 Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.24 Nandini Sharma, 2020 0.241 0.234 0.24		2020	Seyed Abbas Mousavi,	2020	0.173	0.158	0.188	0.65
Manoj Murhekar, 20200.0070.0030.00Amitav Banerjee, 20200.3400.3130.30Nandini Sharma, 20200.2470.2400.24Nandini Sharma, 20200.2410.2340.24					0.142	0.133	0.152	0.65
Amitav Banerjee, 2020 0.340 0.313 0.30 Nandini Sharma, 2020 0.247 0.240 0.24 Nandini Sharma, 2020 0.241 0.234 0.24					0.041	0.022	0.061	0.65
Nandini Sharma, 20200.2470.2400.24Nandini Sharma, 20200.2410.2340.24							0.011	0.65
Nandini Sharma, 2020 0.241 0.234 0.2 4			3 -				0.368	0.65
· · · · · · · · · · · · · · · · · · ·			,				0.254	0.65
Naudini Chausa 2020 0.204 0.276 0.26			-	1			0.247	0.65
			Nandini Sharma,	1	0.284	0.276	0.291	0.65
				1			0.501	0.64
							0.626	0.57
							0.064	0.65
							0.233	0.65
			-	1			0.376	0.65
Sriram Selvaraju, 2020 0.184 0.145 0.2 3		2020	Sriram Selvaraju,	2020	0.184	0.145	0.223	0.64

Anup Malani,	2020	0.171	0.158	0.184	0.65
Manoj V Murhekar,	2020	0.066	0.058	0.074	0.65
Rita Isaac,	2020	0.022	0.009	0.035	0.65
Rita Isaac,	2020	0.220	0.163	0.277	0.63
Prajjval Singh,	2020	0.306	0.287	0.324	0.65
Muhammad Khan,		0.367	0.343	0.392	0.65
Sudarshan Ramaswamy,		0.294	0.284	0.304	0.65
Taha Ayub,		0.406	0.386	0.425	0.65
Manoj Murhekar,		0.241	0.230	0.252	0.65
Jaya Singh Kshatri,		0.208	0.195	0.220	0.65
Anup Malani,		0.316	0.304	0.328	0.65
Bela Merkely,		0.007	0.005	0.009	0.65
Zacharoula Bogogiannidou,		0.002	0.001	0.003	0.65
Claudia Santos Hovener,		0.120	0.102	0.138	0.65
Stefanie Theuring,		0.014	0.004	0.025	0.65
Katja Radon,		0.036	0.029	0.043	0.65
Michael Pritsch,		0.018	0.013	0.024	0.65
Anne Gegout petit,		0.025	0.013	0.033	0.65
Adeline Beaumont,		0.354	0.300	0.408	0.63
Stephane Le Vu,		0.004			0.65
,			0.000	0.008	
Stephane Le Vu,		0.041	0.033	0.050	0.65
Stephane Le Vu,		0.049	0.039	0.058	0.65
Berhanu Alemu,		0.088	0.058	0.118	0.65
Tamrat Shaweno,		0.032	0.013	0.051	0.65
Saro Abdella,		0.035	0.016	0.054	0.65
Saro Abdella,		0.006	-0.002	0.014	0.65
Piia Jogi,		0.015	0.007	0.023	0.65
Piia Jogi,		0.063	0.048	0.078	0.65
Hiie Soeorg,		0.201	0.185	0.217	0.65
Laura Espenhain,		0.015	0.009	0.021	0.65
Laura Espenhain,		0.020	0.017	0.023	0.65
Laura Espenhain,	2020	0.024	0.019	0.029	0.65
Laura Espenhain,	2020	0.043	0.035	0.052	0.65
Antoine N Nkuba,	2020	0.166	0.138	0.193	0.65
Salim Mattar,	2020	0.553	0.526	0.579	0.65
Yunbao Pan,	2020	0.024	0.023	0.025	0.65
Zhenyu He,	2020	0.069	0.064	0.074	0.65
Danuta Skowronski,	2020	0.003	-0.002	0.007	0.65
Danuta Skowronski,		0.005	-0.001	0.012	0.65
Kenechukwu Nwos,	2020	0.292	0.243	0.341	0.64
Beatriz Tess,	2020	0.047	0.029	0.065	0.65
Mariangela Silveira,	2020	0.001	-0.000	0.001	0.65
Mariangela Silveira,	2020	0.001	0.000	0.003	0.65
Mariangela Silveira,	2020	0.002	0.001	0.004	0.65
Marcelo Vieira,		0.006	-0.000	0.011	0.65
Marcelo Vieira,	2020	0.009	0.002	0.016	0.65
Marcelo Vieira,	2020	0.014	0.006	0.023	0.65
Marcelo Vieira,	2020	0.020	0.010	0.030	0.65
Marcelo Vieira,	2020	0.038	0.025	0.051	0.65
Marcelo Vieira,		0.058	0.043	0.073	0.65
Marcelo Vieira,		0.083	0.065	0.102	0.65
Rafael Picon,		0.040	0.030	0.051	0.65
Rafael Picon,		0.026	0.016	0.036	0.65
Mozart Julio Tabosa Sales,		0.043	0.030	0.057	0.65
Antonio da Silva, Antonio da Silva,		0.404	0.356	0.453	0.64
Adriano Antunes de Souza Araújo,		0.093	0.085	0.101	0.65
Gemilson Soares Pontes,		0.646	0.590	0.703	0.63
Jose O M Albuquerque,		0.097	0.080	0.115	0.65
Pedro C. Hallal,		0.000	-0.001	0.002	0.65
Pedro C. Hallal,		0.001	-0.001	0.003	0.65
Pedro C. Hallal,		0.002	-0.001	0.004	0.65
Pedro C. Hallal,		0.002	-0.001	0.004	0.65
Pedro C. Hallal		0.005	0.002	0.008	0.65
Pedro C. Hallal,	2020	0.011	0.007	0.014	0.65

Clieca	0.125	0.100	0.147	
theta	0.123	0.100	0.147	
Heather F Gidding, 2020	0.002	-0.000	0.003	0.65
Sereina Herzog, 2020	0.042	0.031	0.052	0.65
Sereina Herzog, 2020	0.033	0.023	0.043	0.65
Sereina Herzog, 2020	0.037	0.026	0.047	0.65
Sereina Herzog, 2020	0.047	0.036	0.058	0.65
Sereina Herzog, 2020	0.062	0.051	0.073	0.65
Sereina Herzog, 2020	0.052	0.042	0.063	0.65
Sereina Herzog, 2020	0.018	0.010	0.026	0.65
Pedro C. Hallal, 2020	0.016	0.011	0.020	0.65
Pedro C. Hallal, 2020	0.014	0.010	0.018	0.65

Test of theta = 0: z = 10.35 Test of homogeneity: Q = chi2(153) = 83435.27 Prob > |z| = 0.0000Prob > Q = 0.0000

Number of studies = 154

•

. meta summarize, subgroup(studyscope)

Effect-size label: Est. Seroprevalence

Effect size: es
Std. Err.: _meta_se
Study label: studylbl

Subgroup meta-analysis summary

Random-effects model Method: Empirical Bayes Group: **studyscope**

Effect Size: Est. Seroprevalence

S	Study	Effect Size	[95% Conf.	Interval]	% Weight
Group: Local					
Neeraj Sood,	2020	0.047	0.024	0.069	0.65
Holly Biggs,	2020	0.025	0.009	0.041	0.65
Amy K Feehan,	2020	0.036	0.028	0.044	0.65
Kristina Bajema,	2020	0.032	0.006	0.058	0.65
Tim Bruckner,	2020	0.113	0.087	0.138	0.6
Elaine Symanski,	2020	0.135	0.090	0.181	0.64
Katherine Gaskell,	2020	0.643	0.616	0.670	0.65
Ellen C Hughes,	2020	0.078	0.072	0.085	0.6
Agne Ulyte,		0.033	0.013	0.053	0.6
Silvia Stringhini,	2020	0.211	0.191	0.230	0.6
Niclas Roxhed,	2020	0.125	0.103	0.147	0.6
Sebastian Videla,	2021	0.128	0.116	0.141	0.6
Jaya George,	2020	0.273	0.243	0.303	0.6
Anton Barchuk,	2020	0.074	0.057	0.092	0.6
Dagny Lorent,	2020	0.009	0.004	0.014	0.6
Carlos Alvarez Antonio,	2020	0.660	0.620	0.701	0.6
Mary F Reyes Vega,	2020	0.208	0.177	0.240	0.6
Muhammed Imran Nisar,	2020	0.002	-0.002	0.006	0.6
Muhammed Imran Nisar,	2020	0.004	-0.002	0.011	0.6
Muhammed Imran Nisar,	2020	0.087	0.047	0.127	0.64
Muhammed Imran Nisar,	2020	0.151	0.089	0.212	0.6
Muhammed Imran Nisar,	2020	0.128	0.081	0.175	0.64
Muhammed Imran Nisar,	2020	0.215	0.153	0.277	0.6
Isaac Ngere,	2020	0.347	0.318	0.376	0.6
Nobutoshi Nawa,	2020	0.012	0.002	0.023	0.6
Gabriele Pagani,	2020	0.226	0.166	0.285	0.63
Roberto Melotti,		0.269	0.252	0.286	0.6
Amitav Banerjee,		0.340	0.313	0.368	0.6
Aurnab Ghose,	2020	0.513	0.400	0.626	0.57
Sriram Selvaraju,		0.184	0.145	0.223	0.64

Anup Malani,	2020	0.171	0.158	0.184	0.65
Rita Isaac,	2020	0.022	0.009	0.035	0.65
Rita Isaac,		0.220	0.163	0.277	0.63
Sudarshan Ramaswamy,		0.294	0.284	0.304	0.65
Taha Ayub,		0.406	0.386	0.425	0.65
Claudia Santos Hovener,		0.120	0.102	0.138	0.65
Stefanie Theuring,		0.014	0.004	0.025	0.65
Katja Radon,		0.036	0.029		0.65
				0.043	
Michael Pritsch,		0.018	0.013	0.024	0.65
Anne Gegout petit,		0.025	0.018	0.033	0.65
Adeline Beaumont,		0.354	0.300	0.408	0.63
Berhanu Alemu,		0.088	0.058	0.118	0.65
Saro Abdella,		0.035	0.016	0.054	0.65
Saro Abdella,		0.006	-0.002	0.014	0.65
Piia Jogi,		0.015	0.007	0.023	0.65
Piia Jogi,		0.063	0.048	0.078	0.65
Antoine N Nkuba,	2020	0.166	0.138	0.193	0.65
Salim Mattar,	2020	0.553	0.526	0.579	0.65
Yunbao Pan,	2020	0.024	0.023	0.025	0.65
Kenechukwu Nwos,	2020	0.292	0.243	0.341	0.64
Beatriz Tess,	2020	0.047	0.029	0.065	0.65
Marcelo Vieira,	2020	0.006	-0.000	0.011	0.65
Marcelo Vieira,	2020	0.009	0.002	0.016	0.65
Marcelo Vieira,	2020	0.014	0.006	0.023	0.65
Marcelo Vieira,	2020	0.020	0.010	0.030	0.65
Marcelo Vieira,	2020	0.038	0.025	0.051	0.65
Marcelo Vieira,	2020	0.058	0.043	0.073	0.65
Marcelo Vieira,	2020	0.083	0.065	0.102	0.65
Rafael Picon,	2020	0.040	0.030	0.051	0.65
Rafael Picon,	2020	0.026	0.016	0.036	0.65
Mozart Julio Tabosa Sales,		0.043	0.030	0.057	0.65
Gemilson Soares Pontes,		0.646	0.590	0.703	0.63
Heather F Gidding,		0.002	-0.000	0.003	0.65
6,					
	theta	0.146	0.104	0.188	
Group: National	2020	0.004	0.044	0.034	0.65
Lloyd B Mulenga,		0.021	0.011	0.031	0.65
Shuchi Anand,		0.093	0.088	0.099	0.65
Helen Ward,		0.048	0.047	0.050	0.65
Helen Ward,		0.044	0.043	0.045	0.65
Shamez Ladhani,		0.136	0.123	0.150	0.65
Shamez Ladhani,		0.121	0.104	0.138	0.65
Helen Ward,		0.049	0.049	0.050	0.65
Mario Poljak,		0.009	0.004	0.014	0.65
Mohamed Bailor Barrie,		0.026	0.018	0.034	0.65
Eun Hee Nah,		0.004	0.002	0.006	0.65
Luisa Canto e Castro,		0.173	0.158	0.188	0.65
Mohsina Haq,		0.424	0.416	0.432	0.65
Erik Anda,		0.009	0.007	0.010	0.65
Eric Vos,		0.028	0.020	0.036	0.65
Eric Vos,		0.029	0.004	0.053	0.65
Eric Vos,		0.045	0.038	0.052	0.65
Chantal Snoeck,		0.021	0.014	0.028	0.65
Kastytis Smigelskas,		0.014	0.009	0.019	0.65
Takashi Yoshiyama,		0.001	0.000	0.002	0.65
Hossein Poustchi,		0.171	0.147	0.196	0.65
Hossein Poustchi,		0.200	0.184	0.216	0.65
Kazem Khalagi,		0.142	0.133	0.152	0.65
Manoj Murhekar,		0.007	0.003	0.011	0.65
Manoj V Murhekar,		0.066	0.058	0.074	0.65
Prajjval Singh,		0.306	0.287	0.324	0.65
Manoj Murhekar,		0.241	0.230	0.252	0.65
Bela Merkely,	2020	0.007	0.005	0.009	0.65

Zacharoula Bogogiannidou,	2020	0.002	0.001	0.003	0.65
Stephane Le Vu,		0.004	0.000	0.008	0.65
Stephane Le Vu,		0.041	0.033	0.050	0.65
·					
Stephane Le Vu,		0.049	0.039	0.058	0.65
Hiie Soeorg,		0.201	0.185	0.217	0.65
Laura Espenhain,	2020	0.015	0.009	0.021	0.65
Laura Espenhain,	2020	0.020	0.017	0.023	0.65
Laura Espenhain,	2020	0.024	0.019	0.029	0.65
Laura Espenhain,		0.043	0.035	0.052	0.65
Sereina Herzog,		0.018	0.010	0.026	0.65
9.					
Sereina Herzog,		0.052	0.042	0.063	0.65
Sereina Herzog,		0.062	0.051	0.073	0.65
Sereina Herzog,	2020	0.047	0.036	0.058	0.65
Sereina Herzog,	2020	0.037	0.026	0.047	0.65
Sereina Herzog,	2020	0.033	0.023	0.043	0.65
Sereina Herzog,		0.042	0.031	0.052	0.65
	theta	0.073	0.046	0.099	
Gnoun: Pogional					
Group: Regional Shiwani Mahajan,	2020	0.040	0.020	0.060	0.65
Matthew Samore,		0.008	0.001	0.016	0.65
Kristen Maleck,			0.007	0.026	0.65
		0.016			
Kristen Maleck,		0.068	0.043	0.094	0.65
Constantin Yiannoutsos,		0.026	0.020	0.032	0.65
Philip A Chan,		0.029	0.003	0.055	0.65
Ahmed R Alsuwaidi,	2020	0.104	0.095	0.114	0.65
Aude Richard,	2020	0.078	0.068	0.089	0.65
Paula Iruzubieta,	2020	0.031	0.020	0.042	0.65
Jackie Kleynhans,		0.260	0.225	0.295	0.64
Jackie Kleynhans,		0.410	0.370	0.450	0.64
Anna Popova,		0.058	0.053	0.062	0.65
· · · · · · · · · · · · · · · · · · ·					
A Yu Popova,		0.502	0.492	0.512	0.65
Anna Popova,		0.312	0.304	0.320	0.65
Charles Huamani,		0.331	0.300	0.362	0.65
Cristian Diaz Velez,	2020	0.295	0.275	0.314	0.65
Edgar Rodriguez-Vidales,	2020	0.271	0.258	0.284	0.65
Maryam Shakiba,	2020	0.222	0.162	0.282	0.63
Seyed Abbas Mousavi,		0.173	0.158	0.188	0.65
Parthasarathi Satpati,		0.041	0.022	0.061	0.65
Nandini Sharma,		0.247			0.65
			0.240	0.254	
Nandini Sharma,		0.241	0.234	0.247	0.65
Nandini Sharma,		0.284	0.276	0.291	0.65
Manoj Mohanan,		0.467	0.434	0.501	0.64
Sitanshu Sekhar Kar,	2020	0.049	0.034	0.064	0.65
Sitanshu Sekhar Kar,	2020	0.207	0.181	0.233	0.65
Sitanshu Sekhar Kar,		0.345	0.314	0.376	0.65
Muhammad Khan,		0.367	0.343	0.392	0.65
Jaya Singh Kshatri,		0.208	0.195	0.220	0.65
, ,					
Anup Malani,		0.316	0.304	0.328	0.65
Tamrat Shaweno,		0.032	0.013	0.051	0.65
Zhenyu He,		0.069	0.064	0.074	0.65
Danuta Skowronski,	2020	0.003	-0.002	0.007	0.65
Danuta Skowronski,	2020	0.005	-0.001	0.012	0.65
Mariangela Silveira,	2020	0.001	-0.000	0.001	0.65
Mariangela Silveira,		0.001	0.000	0.003	0.65
Mariangela Silveira,		0.002	0.001	0.004	0.65
Antonio da Silva, Antonio da Silva,		0.404	0.356		0.64
				0.453	
Adriano Antunes de Souza Araújo,		0.093	0.085	0.101	0.65
Jose O M Albuquerque,		0.097	0.080	0.115	0.65
Pedro C. Hallal,		0.000	-0.001	0.002	0.65
Pedro C. Hallal,	2020	0.001	-0.001	0.003	0.65
Pedro C. Hallal,	2020	0.002	-0.000	0.004	0.65
Pedro C. Hallal,	2020	0.002	-0.001	0.004	0.65
•	'				

	Pedro C. Hallal, 2020	0.005	0.002	0.008	0.65
	Pedro C. Hallal, 2020	0.011	0.007	0.014	0.65
	Pedro C. Hallal, 2020	0.014	0.010	0.018	0.65
	Pedro C. Hallal, 2020	0.016	0.011	0.020	0.65
	theta	0.140	0.098	0.183	
Overall					
010.022	theta	0.123	0.100	0.147	

Heterogeneity summary

Group	df	Q	P > Q	tau2	% I2	H2
Local	62	14746.55	0.000	0.029	99.95	1940.81
National	42	25591.32	0.000	0.008	99.98	4031.97
Regional	47	41505.41	0.000	0.022	99.99	6834.89
Overall	153	83435.27	0.000	0.022	99.98	6268.01

Test of group differences: Q_b = chi2(2) = 11.83

 $Prob > Q_b = 0.003$

Number of studies = 154

. meta summarize, subgroup(country)

Effect-size label: Est. Seroprevalence
 Effect size: es
 Std. Err.: _meta_se
 Study label: studylbl

Subgroup meta-analysis summary

Random-effects model Method: Empirical Bayes

Group: country

Effect Size: Est. Seroprevalence

	T ====================================			
Study	Effect Size	[95% Conf.	Interval]	% Weight
Group: Australia				
Heather F Gidding, 2020	0.002	-0.000	0.003	0.65
theta	0.002	-0.000	0.003	
Group: Belgium				
Sereina Herzog, 2020	0.018	0.010	0.026	0.65
Sereina Herzog, 2020	0.052	0.042	0.063	0.65
Sereina Herzog, 2020	0.062	0.051	0.073	0.65
Sereina Herzog, 2020	0.047	0.036	0.058	0.65
Sereina Herzog, 2020	0.037	0.026	0.047	0.65
Sereina Herzog, 2020	0.033	0.023	0.043	0.65
Sereina Herzog, 2020	0.042	0.031	0.052	0.65
theta	0.041	0.031	0.052	
Group: Brazil				
Beatriz Tess, 2020	0.047	0.029	0.065	0.65
Mariangela Silveira, 2020	0.001	-0.000	0.001	0.65
Mariangela Silveira, 2020	0.001	0.000	0.003	0.65
Mariangela Silveira, 2020	0.002	0.001	0.004	0.65
Marcelo Vieira, 2020	0.006	-0.000	0.011	0.65
Marcelo Vieira, 2020	0.009	0.002	0.016	0.65
Marcelo Vieira, 2020	0.014	0.006	0.023	0.65

	Marcelo Vieira, 2020	0.020	0.010	0.030	0.65
	Marcelo Vieira, 2020	0.038	0.025	0.051	0.65
	Marcelo Vieira, 2020	0.058	0.043	0.073	0.65
	Marcelo Vieira, 2020	0.083	0.065	0.102	0.65
	Rafael Picon, 2020	0.040	0.030	0.051	0.65
	Rafael Picon, 2020	0.026	0.016	0.036	0.65
Mozar	t Julio Tabosa Sales, 2020	0.043	0.030	0.057	0.65
Antonio da Sil	va, Antonio da Silva, 2020	0.404	0.356	0.453	0.64
Adriano Antu	ınes de Souza Araújo, 2020	0.093	0.085	0.101	0.65
Ge	emilson Soares Pontes, 2020	0.646	0.590	0.703	0.63
	Jose O M Albuquerque, 2020	0.097	0.080	0.115	0.65
	Pedro C. Hallal, 2020	0.000	-0.001	0.002	0.65
	Pedro C. Hallal, 2020	0.001	-0.001	0.003	0.65
	Pedro C. Hallal, 2020	0.002	-0.000	0.004	0.65
	Pedro C. Hallal, 2020	0.002	-0.001	0.004	0.65
	Pedro C. Hallal, 2020	0.005	0.002	0.008	0.65
	Pedro C. Hallal, 2020	0.011	0.007	0.014	0.65
	Pedro C. Hallal, 2020	0.014	0.010	0.018	0.65
	Pedro C. Hallal, 2020	0.016	0.011	0.020	0.65
	theta	0.063	0.009	0.117	
Group: Cameroo	on				
	Kenechukwu Nwos, 2020	0.292	0.243	0.341	0.64
	theta	0.292	0.243	0.341	
Group: Canada					
di oup. Canada	Danuta Skowronski, 2020	0.003	-0.002	0.007	0.65
	Danuta Skowronski, 2020	0.005	-0.001	0.007	0.65
	Dalluca Skowi oliski, 2020	0.003	-0.001	0.012	0.05
	theta	0.004	0.000	0.008	
Group: China					
	Yunbao Pan, 2020	0.024	0.023	0.025	0.65
	Zhenyu He, 2020	0.069	0.064	0.074	0.65
	theta	0.046	0.002	0.091	
Group: Colombi	a				
di dup. Colombi	Salim Mattar, 2020	0.553	0.526	0.579	0.65
-	theta	0.553	0.526	0.579	
Group: Democra	tic Republic of the Congo				
·	Antoine N Nkuba, 2020	0.166	0.138	0.193	0.65
	theta	0.166	0.138	0.193	
Group: Denmark					
	Laura Espenhain, 2020	0.015	0.009	0.021	0.65
	Laura Espenhain, 2020	0.020	0.017	0.023	0.65
	Laura Espenhain, 2020	0.024	0.019	0.029	0.65
	Laura Espenhain, 2020	0.043	0.035	0.052	0.65
				0.037	
	theta	0.025	0.013		
Group: Estonia		0.025	0.013		
 Group: Estonia	Piia Jogi, 2020	0.015	0.013	0.023	
 Group: Estonia	Piia Jogi, 2020 Piia Jogi, 2020	0.015 0.063	0.007 0.048	0.023 0.078	0.65
 Group: Estonia	Piia Jogi, 2020	0.015	0.007	0.023	0.65 0.65 0.65

Group: Ethiopia				
Berhanu Alemu, 2020	0.088	0.058	0.118	0.65
Tamrat Shaweno, 2020	0.032	0.013	0.051	0.65
Saro Abdella, 2020	0.035	0.016	0.054	0.65
Saro Abdella, 2020	0.006	-0.002	0.014	0.65
theta	0.038	0.005	0.071	
Group: France				
Anne Gegout petit, 2020	0.025	0.018	0.033	0.65
Adeline Beaumont, 2020	0.354	0.300	0.408	0.63
Stephane Le Vu, 2020	0.004	0.000	0.008	0.65
Stephane Le Vu, 2020	0.041	0.033	0.050	0.65
Stephane Le Vu, 2020	0.049	0.039	0.058	0.65
theta	0.093	-0.034	0.219	
Group: Germany				
Claudia Santos Hovener, 2020	0.120	0.102	0.138	0.65
Stefanie Theuring, 2020	0.014	0.004	0.025	0.65
Katja Radon, 2021	0.036	0.029	0.043	0.65
Michael Pritsch, 2020	0.018	0.013	0.024	0.65
theta	0.047	-0.002	0.095	
Group: Greece				
Zacharoula Bogogiannidou, 2020	0.002	0.001	0.003	0.65
theta	0.002	0.001	0.003	
Group: Hungary				
Bela Merkely, 2020	0.007	0.005	0.009	0.65
theta	0.007	0.005	0.009	
Group: India				
Parthasarathi Satpati, 2020	0.041	0.022	0.061	0.65
Manoj Murhekar, 2020	0.007	0.003	0.011	0.65
Amitav Banerjee, 2020	0.340	0.313	0.368	0.65
Nandini Sharma, 2020	0.247	0.240	0.254	0.65
Nandini Sharma, 2020	0.241	0.234	0.247	0.65
Nandini Sharma, 2020	0.284	0.276	0.291	0.65
Manoj Mohanan, 2020	0.467	0.434	0.501	0.64
Aurnab Ghose, 2020	0.513	0.400	0.626	0.57
Sitanshu Sekhar Kar, 2020	0.049	0.034	0.064	0.65
Sitanshu Sekhar Kar, 2020	0.207	0.181	0.233	0.65
Sitanshu Sekhar Kar, 2020	0.345	0.314	0.376	0.65
Sriram Selvaraju, 2020	0.184	0.145	0.223	0.64
Anup Malani, 2020	0.171	0.158	0.184	0.65
Manoj V Murhekar, 2020	0.066	0.058	0.074	0.65
Rita Isaac, 2020	0.022	0.009	0.035	0.65
Rita Isaac, 2020	0.220	0.163	0.277	0.63
Prajjval Singh, 2020	0.306	0.287	0.324	0.65
Muhammad Khan, 2020	0.367	0.343	0.392	0.65
Sudarshan Ramaswamy, 2020	0.294	0.284	0.304	0.65
Taha Ayub, 2020	0.406	0.386	0.425	0.65
Manoj Murhekar, 2021	0.241	0.230	0.252	0.65
Jaya Singh Kshatri, 2020 Anup Malani, 2020	0.208 0.316	0.195 0.304	0.220 0.328	0.65 0.65
theta	0.239	0.183	0.295	
Group: Iran (Islamic Republic of)				
Maryam Shakiba, 2020	0.222	0.162	0.282	0.63

Hossein Poustchi,	2020	0.171	0.147	0.196	0.65
Hossein Poustchi,		0.200	0.184	0.216	0.65
Seyed Abbas Mousavi,	2020	0.173	0.158	0.188	0.65
Kazem Khalagi,		0.142	0.133	0.152	0.65
	theta	0.176	0.152	0.201	
Group: Italy					
Gabriele Pagani,	2020	0.226	0.166	0.285	0.63
Roberto Melotti,		0.269	0.252	0.286	0.65
noser to neloctly	2020	0.205	01232	0.200	0.05
	theta	0.257	0.220	0.295	
Group: Japan					
Takashi Yoshiyama,	2020	0.001	0.000	0.002	0.65
Nobutoshi Nawa,	2020	0.012	0.002	0.023	0.65
	theta	0.005	-0.005	0.016	
Group: Kenya	2020	0.247	0.240	0.376	0.65
Isaac Ngere,	2020	0.347	0.318	0.376	0.65
	theta	0.347	0.318	0.376	
Group: Lithuania					
Kastytis Smigelskas,	2020	0.014	0.009	0.019	0.65
	theta	0.014	0.009	0.019	
Group: Luxembourg					
Chantal Snoeck,	2020	0.021	0.014	0.028	0.65
	theta	0.021	0.014	0.028	
Group: Mexico	2020	0 271	0.250	0.384	0.65
Edgar Rodriguez-Vidales,	2020	0.271	0.258	0.284	0.65
	theta	0.271	0.258	0.284	
Group: Netherlands					
Eric Vos,	2020	0.028	0.020	0.036	0.65
Eric Vos,		0.029	0.004	0.053	0.65
Eric Vos,		0.045	0.038	0.052	0.65
	theta	0.036	0.024	0.047	
Group: Norway					
Erik Anda,	2021	0.009	0.007	0.010	0.65
	theta	0.009	0.007	0.010	
Chause Balaistan					
Group: Pakistan Muhammed Imran Nisar,	2020	0.002	-0.002	0.006	0.65
Muhammed Imran Nisar,		0.004	-0.002	0.000	0.65
Muhammed Imran Nisar,		0.087	0.047	0.127	0.64
Muhammed Imran Nisar,		0.151	0.089	0.212	0.63
Muhammed Imran Nisar,		0.128	0.081	0.175	0.64
Muhammed Imran Nisar,		0.215	0.153	0.277	0.62
Mohsina Haq,	2020	0.424	0.416	0.432	0.65
	theta	0.144	0.036	0.253	
Chausa Banu					
Group: Peru Charles Huamani,	2020	0.331	0.300	0.362	0.65

0 660	0 620	0 701	0.64
			0.65
0.295	0.275	0.314	0.65
0.373	0.179	0.567	
0.009	0.004	0.014	0.65
0.009	0.004	0.014	
0.173	0.158	0.188	0.65
0.173	0.158	0.188	
0.004	0.002	0.006	0.65
0.004	0.002	0.006	
0.058	0.053	0.062	0.65
			0.65
			0.65
0.074	0.057	0.092	0.65
0.237	0.029	0.444	
0.026	0.018	0.034	0.65
0.026	0.018	0.034	
0.009	0.004	0.014	0.65
0 009	0 004	0 014	
	0.004	0.014	
0.273	0.243	0.303	0.65
0.260	0.225	0.295	0.64
0.410	0.370	0.450	0.64
0.314	0.220	0.407	
0 021	0 020	0 012	0.65
			0.65
0.128	0.110	0.141	0.03
0.079	-0.016	0.175	
0.125	0.103	0.147	0.65
0.125	0.103	0.147	
0.125	0.103	0.147	
0.033	0.013	0.053	0.65
0.211	0.191	0.230	0.65
0.078	0.068	0.089	0.65
0.107	0.003	0.212	
	0.009 0.009 0.173 0.173 0.004 0.004 0.0058 0.502 0.312 0.074 0.237 0.026 0.026 0.009 0.009 0.273 0.260 0.410 0.314 0.314 0.031 0.128 0.079 0.125 0.125 0.125	0.208 0.177 0.295 0.275 0.373 0.179 0.009 0.004 0.009 0.004 0.173 0.158 0.173 0.158 0.004 0.002 0.058 0.053 0.502 0.492 0.312 0.304 0.074 0.057 0.237 0.029 0.026 0.018 0.026 0.018 0.009 0.004 0.273 0.243 0.260 0.225 0.410 0.370 0.314 0.220 0.031 0.020 0.128 0.116 0.079 -0.016 0.125 0.103 0.033 0.013 0.211 0.191 0.078 0.068	0.208 0.177 0.240 0.295 0.275 0.314 0.373 0.179 0.567 0.009 0.004 0.014 0.009 0.004 0.014 0.009 0.004 0.014 0.173 0.158 0.188 0.173 0.158 0.188 0.004 0.002 0.006 0.058 0.053 0.062 0.502 0.492 0.512 0.312 0.304 0.320 0.074 0.057 0.092 0.237 0.029 0.444 0.026 0.018 0.034 0.026 0.018 0.034 0.026 0.018 0.034 0.009 0.004 0.014 0.031 0.225 0.295 0.410 0.370 0.450 0.314 0.220 0.042 0.128 0.116 0.141 0.079 -0.016 0.175 0.125 0.103 0.147 0.125 0.103 0.14

Group: The United Kingdom					
Helen Ward,	2020	0.048	0.047	0.050	0.65
Helen Ward,	2020	0.044	0.043	0.045	0.65
Shamez Ladhani,	2020	0.136	0.123	0.150	0.65
Shamez Ladhani,	2020	0.121	0.104	0.138	0.65
Katherine Gaskell,	2020	0.643	0.616	0.670	0.65
Ellen C Hughes,	2020	0.078	0.072	0.085	0.65
Helen Ward,		0.049	0.049	0.050	0.65
	theta	0.160	-0.000	0.320	
Group: United Arab Emirates					
. Ahmed R Alsuwaidi,	2020	0.104	0.095	0.114	0.65
	theta	0.104	0.095	0.114	
Group: United States of America					
Neeraj Sood,	2020	0.047	0.024	0.069	0.65
Shiwani Mahajan,	2020	0.040	0.020	0.060	0.65
Holly Biggs,	2020	0.025	0.009	0.041	0.65
Amy K Feehan,	2020	0.036	0.028	0.044	0.65
Shuchi Anand,	2020	0.093	0.088	0.099	0.65
Matthew Samore,	2020	0.008	0.001	0.016	0.65
Kristina Bajema,	2020	0.032	0.006	0.058	0.65
Kristen Maleck,	2020	0.016	0.007	0.026	0.65
Kristen Maleck,	2020	0.068	0.043	0.094	0.65
Constantin Yiannoutsos,	2020	0.026	0.020	0.032	0.65
Tim Bruckner,	2020	0.113	0.087	0.138	0.65
Philip A Chan,	2020	0.029	0.003	0.055	0.65
Elaine Symanski,		0.135	0.090	0.181	0.64
	theta	0.049	0.029	0.070	
Group: Zambia					
Lloyd B Mulenga,	2020	0.021	0.011	0.031	0.65
	theta	0.021	0.011	0.031	
Overall					
·	theta	0.123	0.100	0.147	

Heterogeneity summary

Group	df	Q	P > Q	tau2	% I2	H2
Australia	0	0.00	•	0.000	•	•
Belgium	6	51.64	0.000	0.000	86.89	7.63
Brazil	25	1792.37	0.000	0.020	99.99	10385.11
Cameroon	0	0.00	•	0.000	•	
Canada	1	0.48	0.489	0.000	3.20	1.03
China	1	285.90	0.000	0.001	99.65	285.90
Colombia	0	-0.00	•	0.000		
Democratic R~o	0	0.00	•	0.000		
Denmark	3	31.13	0.000	0.000	95.53	22.37
Estonia	2	417.02	0.000	0.009	99.56	226.80
Ethiopia	3	35.01	0.000	0.001	93.50	15.37
France	4	268.14	0.000	0.021	99.92	1245.93
Germany	3	124.61	0.000	0.002	99.22	127.83
Greece	0	0.00	•	0.000	•	
Hungary	0	0.00	•	0.000	•	•
India	22	12643.35	0.000	0.019	99.82	570.79
Iran (Islami∼)	4	45.08	0.000	0.001	89.37	9.41
` Italy	1	1.85	0.173	0.000	46.09	1.85

Japan	1	4.38	0.036	0.000	77.18	4.38
Kenya	0	0.00	•	0.000	•	•
Lithuania	0	0.00		0.000	•	•
Luxembourg	0	0.00	•	0.000	•	•
Mexico	0	0.00	•	0.000		•
Netherlands	2	10.28	0.006	0.000	72.01	3.57
Norway	0	0.00	•	0.000	•	•
Pakistan	6	8942.80	0.000	0.021	99.88	818.64
Peru	3	324.93	0.000	0.039	99.42	173.89
Poland	0	-0.00	•	0.000		•
Portugal	0	0.00	•	0.000	•	•
Republic of ∼a	0	0.00	•	0.000		•
Russian Fede∼n	3	7644.49	0.000	0.045	99.96	2397.04
Sierra Leone	0	0.00	•	0.000		•
Slovenia	0	0.00	•	0.000	•	•
South Africa	2	37.00	0.000	0.007	95.36	21.54
Spain	1	130.37	0.000	0.005	99.23	130.37
Sweden	0	0.00	•	0.000		•
Switzerland	2	181.14	0.000	0.008	99.17	120.43
The United K∼m	6	2225.78	0.000	0.047	100.00	39493.27
United Arab ∼s	0	0.00	•	0.000		•
United State~a	12	515.65	0.000	0.001	97.61	41.77
Zambia	0	0.00	•	0.000	•	•
Overall	153	83435.27	0.000	0.022	99.98	6268.01

Test of group differences: $Q_b = chi2(40) = 5769.85$ Prob > $Q_b = 0.000$