

Supplementary Material

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1. Full search terms for one database (Medline)

The search strategies applied to Medline is shown; it was adapted for other electronic databases as needed.

Ovid MEDLINE(R) and In-Process, In-Data-Review & Other Non-Indexed Citations <1946 to October 29, 2021>

- 1 ((COVID* or SARS-CoV-2 or SARSCoV2).tw. or Coronavirus/ or Coronavirus Infections/) adj2 (long-term or persistent symptoms or protracted or post-discharge or symptom* duration or persistent fatigue).tw.
- 2 ((COVID* or SARS-CoV-2 or SARSCoV2).tw. or Coronavirus/ or Coronavirus Infections/) adj3 (follow-up or longitudinal or consequenc* or sequela* or brain fog or months or after or survivor* or convalescent or convalescence).ti.
- 3 ((COVID* or SARS-CoV-2 or SARSCoV2).tw. or Coronavirus/ or Coronavirus Infections/) adj2 (long or long-haul*)
- 4 post-Covid*.tw.
- 5 Post-acute COVID 19 syndrome.mp.
- 6 Post-acute sequelae of COVID 19.mp.
- 7 PASC.mp.
- 8 Post-acute coronavirus syndrome.mp.
- 9 Chronic covid syndrome.mp.
- 10 Long-term covid syndrome.mp.
- 11 Post covid-19 condition.mp.
- 12 1-11/or

2. Supplementary Tables

Supplementary Table 1: List of studies excluded at full text screening stage with brief reason

Title	Authors	Published Year	Journal, Volume, Issue, Pages, DOI
Fewer than 100 participants (n=33)			
1. Do post-COVID-19 symptoms exist? A longitudinal study of COVID-19 sequelae in Wenzhou, China	Zhou, M.; Cai, J.; Sun, W.; Wu, J.; Wang, Y.; Gamber, M.; Fan, L.; He, G.	2021	Annales Medico Psychologiques. http://dx.doi.org/10.1016/j.amp.2021.03.003
2. Post-acute sequelae of COVID-19: Evidence of mood & cognitive impairment	Lamontagne, S. J.; Winters, M. F.; Pizzagalli, D. A.; Olmstead, M. C.	2021	Brain, Behavior, & Immunity Health 100347 https://dx.doi.org/10.1016/j.bbih.2021.100347
3. Investigation of Long COVID Prevalence and Its Relationship to Epstein-Barr Virus Reactivation	Gold, Jeffrey E.; Okyay, Ramazan A.; Licht, Warren E.; Hurley, David J.	2021	Pathogens (Basel, Switzerland) 10, 6 https://dx.doi.org/10.3390/pathogens10060763
4. Chronic fatigue syndrome: an emerging sequela in COVID-19 survivors?	Mantovani, Elisa; Mariotto, Sara; Gabbiani, Daniele; Dorelli, Gianluigi; Bozzetti, Silvia; Federico, Angela; Zanzoni, Serena; Girelli, Domenico; Crisafulli, Ernesto; Ferrari, Sergio; Tamburin, Stefano	2021	Journal of neurovirology 27, 4 631-637 https://dx.doi.org/10.1007/s13365-021-01002-x
5. Long-term follow-up of patients with venous thromboembolism and COVID-19: Analysis of risk factors for death and major bleeding	Demelo-Rodriguez, Pablo; Ordieres-Ortega, Lucia; Ji, Zichen; Del Toro-Cervera, Jorge; de Miguel-Diez, Javier; Alvarez-Sala-Walther, Luis A.; Galeano-Valle, Francisco	2021	European journal of haematology 106, 5 716-723 https://dx.doi.org/10.1111/ejh.13603
6. Cerebral Micro-Structural Changes in COVID-19 Patients - An MRI-based 3-month Follow-up Study: A brief title: Cerebral Changes in COVID-19	Lu, Y.; Li, X.; Geng, D.; Mei, N.; Wu, P. Y.; Huang, C. C.; Jia, T.; Zhao, Y.; Wang, D.; Xiao, A.; Yin, B.	2020	25 100484 http://dx.doi.org/10.1016/j.eclinm.2020.100484
7. Chest CT and Clinical Follow-up of Discharged Patients with COVID-19 in Wenzhou City, Zhejiang, China	Liu C, Ye L. Xia R. Zheng X. Yuan C. Wang Z. Lin R. Shi D. Gao Y. Yao J. Sun Q. Wang X. Jin M.	2020	Annals of the american thoracic society 10.1513/AnnalsATS.202004-324OC
8. Chest CT in COVID-19 pneumonia: what are the findings in mid-term follow-up?	Tabatabaei Smh, Rajebi H. Moghaddas F. Ghasemiadl M. Talari H.	2020	Emergency radiology 10.1007/s10140-020-01869-z
9. Do COVID-19 Antibodies Provide Long-Term Protection?	Ansari, Sheeba; Memon, Mubeen; Kumar, Ratan; Memon, Sidra; Memon, Muhammad Khizar	2021	Cureus 13, 1 e12441 https://dx.doi.org/10.7759/cureus.12441
10. Follow-up study of the pulmonary function and related physiological characteristics of COVID-19 survivors three months after recovery	Zhao, Yu-Miao; Shang, Yao-Min; Song, Wen-Bin; Li, Qing-Quan; Xie, Hua; Xu, Qin-Fu; Jia, Jun-Li; Li, Li-Ming; Mao, Hong-Li; Zhou, Xiu-Man; Luo, Hong; Gao, Yan-Feng; Xu, Ai-Guo	2020	EClinicalMedicine 25 100463 https://dx.doi.org/10.1016/j.eclinm.2020.100463
11. Impact of coronavirus disease 2019 on pulmonary function in early convalescence phase	Huang, Yiyang; Tan, Cuiyan; Wu, Jian; Chen, Meizhu; Wang, Zhenguang; Luo, Liyun; Zhou, Xiaorong; Liu, Xinran; Huang, Xiaoling; Yuan, Shican; Chen, Chaolin; Gao, Fen; Huang, Jin; Shan, Hong; Liu, Jing	2020	Respiratory research 21, 1 163 https://dx.doi.org/10.1186/s12931-020-01429-6
12. Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge	Raman, Betty; Cassar, Mark Philip; Tunncliffe, Elizabeth M.; Filippini, Nicola; Griffanti, Ludovica; Alfaro-Almagro, Fidel; Okell, Thomas; Sheerin, Fintan; Xie, Cheng; Mahmood, Masliza; Mozes, Ferenc E.; Lewandowski, Adam J.; Ohuma, Eric O.; Holdsworth, David; Lamlum, Hanan; Woodman, Myles J.; Krasopoulos, Catherine; Mills, Rebecca; McConnell, Flora A. Kennedy; Wang, Chaoyue; Arthofer, Christoph; Lange, Frederik J.; Andersson, Jesper; Jenkinson, Mark; Antoniades, Charalambos; Channon, Keith M.; Shanmuganathan, Mayoora; Ferreira, Vanessa M.; Piechnik, Stefan K.; Klenerman, Paul; Brightling, Christopher; Talbot, Nick P.; Petousi, Nayia; Rahman, Najib M.; Ho, Ling-Pei; Saunders, Kate; Geddes, John R.; Harrison,	2021	EClinicalMedicine 31 100683 https://dx.doi.org/10.1016/j.eclinm.2020.100683

13.	Modified rehabilitation exercises for mild cases of COVID-19	Paul J.; Pattinson, Kyle; Rowland, Matthew J.; Angus, Brian J.; Gleeson, Fergus; Pavlides, Michael; Koychev, Ivan; Miller, Karla L.; Mackay, Clare; Jezard, Peter; Smith, Stephen M.; Neubauer, Stefan Zha L, Xu X. Wang D. Qiao G. Zhuang W. Huang S.	2020	Annals of palliative medicine 10.21037/apm-20-753
14.	Persistence of symptoms in patients after coronavirus disease (COVID-19) in a third level hospital of Puebla, Mexico. [Spanish]	Garcia, J. C. H.; Montellano, E. I. A.; Gonzalez, L. I. J.; Andrade, R. C.	2020	Medicina Interna de Mexico 36, 6 789-793 http://dx.doi.org/10.24245/mim.v36i6.4581
15.	Persisting olfactory dysfunction in patients after recovering from COVID-19	Otte, M. S.; Klusmann, J. P.; Luers, J. C.	2020	The Journal of infection 81, 3 e58 https://dx.doi.org/10.1016/j.jinf.2020.06.054
16.	Post-acute COVID-19 syndrome negatively impacts health and wellbeing despite less severe acute infection (preprint)	Tabacof L, Tosto-Mancuso J. Wood J. Cortes M. Kontorovich A. McCarthy D. Rizk D. Nasr L. Breyman E. Mohammadi N. Kellner C. Putrino D.	2020	Medrxiv 2020.11.04.20226126 10.1101/2020.11.04.20226126
17.	Post-discharge persistent symptoms and health-related quality of life after hospitalization for COVID-19	Garrigues E, Janvier P. Kherabi Y. Bot A. L. Hamon A. Gouze H. Doucet L. Berkani S. Oliosi E. Mallard E. Corre F. Zarrouk V. Moyer J. D. Galy A. Honsel V. Fantin B. Nguyen Y.	2020	Journal of infection 10.1016/j.jinf.2020.08.029
18.	Psychological Distress After Covid-19 Recovery: Reciprocal Effects With Temperament and Emotional Dysregulation. An Exploratory Study of Patients Over 60 Years of Age Assessed in a Post-acute Care Service	Janiri, Delfina; Kotzalidis, Georgios D.; Giuseppin, Giulia; Molinaro, Marzia; Modica, Marco; Montanari, Silvia; Terenzi, Beatrice; Carfi, Angelo; Landi, Francesco; Sani, Gabriele; Gemelli Against, Covid-Post-acute Care Study Group	2020	Frontiers in psychiatry 11 590135 https://dx.doi.org/10.3389/fpsyt.2020.590135
19.	Short-Term Follow-Up of Self-Isolated COVID-19 Patients with Smell and Taste Dysfunction in Greece: two Phenotypes of Recovery	Konstantinidis I, Delides A. Tsakiropoulou E. Maragoudakis P. Sapounas S. Tsiodras S.	2020	ORL; journal for oto-rhino-laryngology and its related specialties 10.1159/000511436
20.	Sofosbuvir and daclatasvir for the treatment of COVID-19 outpatients: a double-blind, randomized controlled trial	Roozbeh, Fatemeh; Saeedi, Majid; Alizadeh-Navaei, Reza; Hedayatizadeh-Omran, Akbar; Merat, Shahin; Wentzel, Hannah; Levi, Jacob; Hill, Andrew; Shamshirian, Amir	2021	The Journal of antimicrobial chemotherapy 76, 3 753-757 https://dx.doi.org/10.1093/jac/dkaa501
21.	Three-month Follow-up Study of Survivors of Coronavirus Disease 2019 after Discharge	Liang, Limei; Yang, Bohan; Jiang, Nanchuan; Fu, Wei; He, Xinliang; Zhou, Yaya; Ma, Wan Li; Wang, Xiaorong	2020	Journal of Korean medical science 35, 47 e418 https://dx.doi.org/10.3346/jkms.2020.35.e418
22.	Preliminary Evidence on Long COVID in children (preprint)	buonsenso d, Munblit D. De Rose C. Sinatti D. Ricchiuto A. Carfi A. Valentini P.	2021	Medrxiv 2021.01.23.21250375 10.1101/2021.01.23.21250375
23.	Preliminary evidence on long COVID in children	Buonsenso, D.; Munblit, D.; De Rose, C.; Sinatti, D.; Ricchiuto, A.; Carfi, A.; Valentini, P.	2021	Acta Paediatrica 110, 7 2208-2211 https://dx.doi.org/10.1111/apa.15870
24.	Pulmonary Sequelae at 4 Months After COVID-19 Infection: A Single-Centre Experience of a COVID Follow-Up Service	Robey, R. C.; Kemp, K.; Hayton, P.; Mudawi, D.; Wang, R.; Greaves, M.; Yioe, V.; Rivera-Ortega, P.; Avram, C.; Chaudhuri, N.	2021	Advances in Therapy 38, 8 4505-4519 https://dx.doi.org/10.1007/s12325-021-01833-4
25.	Pulmonary function and radiological features 4 months after COVID-19: first results from the national prospective observational Swiss COVID-19 lung study	Guler, Sabina A.; Ebner, Lukas; Aubry-Beigelman, Catherine; Bridevaux, Pierre-Olivier; Brutsche, Martin; Clarenbach, Christian; Garzoni, Christian; Geiser, Thomas K.; Lenoir, Alexandra; Mancinetti, Marco; Naccini, Bruno; Ott, Sebastian R.; Piquilloud, Lise; Prella, Maura; Que, Yok-Ai; Soccia, Paula M.; von Garnier, Christophe; Funke-Chambour, Manuela	2021	The European respiratory journal 57, 4 https://dx.doi.org/10.1183/13993003.03690-2020
26.	[Thrombus in the right atrium after COVID-19 pneumonia]	Alcoberro Torres, Lidia; Claver Garrido, Eduard; Moliner Borja, Pedro	2020	Trombo en la aurícula derecha tras neumonía por COVID-19 73, 10 845 https://dx.doi.org/10.1016/j.recesp.2020.06.007
27.	Anormal pulmonary function and residual CT abnormalities in rehabilitating COVID-19 patients after discharge	You, Jingjing; Zhang, Lu; Ni-Jia-Ti, Ma-Yi-di-Li; Zhang, Jue; Hu, Fuyin; Chen, Luyan; Dong, Yuhao; Yang, Ke; Zhang, Bin; Zhang, Shuixing	2020	The Journal of infection 81, 2 e150-e152 https://dx.doi.org/10.1016/j.jinf.2020.06.003

28.	Anormal pulmonary function and residual CT abnormalities in rehabilitating COVID-19 patients after discharge: a prospective cohort study	You J, Zhang L. Ni-Jia-Ti M. Y. Zhang J. Hu F. Chen L. Dong Y. Yang K. Zhang B. Zhang S.	2020	Journal of infection 10.1016/j.jinf.2020.06.003
29.	COVID-19 in Children: Clinical Characteristics and Follow-Up Study	Ruan, P. S.; Xu, H. Q.; Wu, J. H.; Song, Q. F.; Qiu, H. Y.	2020	SN Comprehensive Clinical Medicine 2, 10 1713-1716 http://dx.doi.org/10.1007/s42399-020-00502-x
30.	Are there pulmonary sequelae in patients recovering from COVID-19?	Rogliani P, Calzetta L. Coppola A. Puxeddu E. Sergiacomi G. D'Amato D. Orlacchio A.	2020	Respiratory research 21, 1 286 10.1186/s12931-020-01550-6
31.	Post SARS-CoV-2 Guillain-Barre syndrome	Arnaud S, Budowski C. Ng Wing Tin S. Degos B.	2020	Clinical neurophysiology 131, 7 1652-1654 10.1016/j.clinph.2020.05.003
32.	Follow up of patients with severe coronavirus disease 2019 (COVID-19): pulmonary and extrapulmonary disease sequelae	Daher A, Balfanz P. Cornelissen C. Muller A. Bergs I. Marx N. Muller-Wieland D. Hartmann B. Dreher M. Muller T.	2020	Respiratory medicine 174 106197 10.1016/j.rmed.2020.106197
33.	'The long tail of Covid-19' - The detection of a prolonged inflammatory response after a SARS-CoV-2 infection in asymptomatic and mildly affected patients	Doykov, Ivan; Hallqvist, Jenny; Gilmour, Kimberly C.; Grandjean, Louis; Mills, Kevin; Heywood, Wendy E.	2020	F1000Research 9 1349 https://dx.doi.org/10.12688/f1000research.27287.1
No primary data (n=69)				
34.	Reduced Diffusion Capacity in COVID-19 Survivors	Mendez, R.; Latorre, A.; Gonzalez-Jimenez, P.; Fedec, L.; Bouzas, L.; Yopez, K.; Ferrando, A.; Zaldivar-Olmeda, E.; Reyes, S.; Menendez, R.	2021	Annals of the American Thoracic Society 18, 7 1253-1255 https://dx.doi.org/10.1513/AnnalsATS.202011-1452RL
35.	Urgent need of a management plan for survivors of COVID-19	Celli, Bartolome; Fabbri, Leonardo M.	2020	The European respiratory journal 55, 4 https://dx.doi.org/10.1183/13993003.00764-2020
36.	Direct SARS-CoV-2 infection of the heart potentiates the cardiovascular sequelae of COVID-19	Bose, Rajendran J. C.; McCarthy, Jason R.	2020	Drug discovery today 25, 9 1559-1560 https://dx.doi.org/10.1016/j.drudis.2020.06.021
37.	[COVID-19: A Pneumological Point of View - Long-Term Sequelae of COVID-19 - Implications For Follow-up In Respiratory Medicine]	Leo, Fabian; Wormanns, Dag; Grohe, Christian	2020	COVID-19 aus Sicht der Pneumologie - Langzeitfolgen und Implikationen für die pneumologische Nachsorge. 145, 15 1086-1092 https://dx.doi.org/10.1055/a-1164-4040
38.	Hydroxychloroquine and azithromycin as a treatment of COVID-19	Fanin A, Calejari J. Beverina A. Tiraboschi S.	2020	Internal and emergency medicine 10.1007/s11739-020-02388-y
39.	The Post-COVID-19 Functional Status scale: a tool to measure functional status over time after COVID-19	Klok, Frederikus A.; Boon, Gudula J. A. M.; Barco, Stefano; Endres, Matthias; Geelhoed, J. J. Miranda; Knauss, Samuel; Rezek, Spencer A.; Spruit, Martijn A.; Vehreschild, Jorg; Siegerink, Bob	2020	The European respiratory journal 56, 1 https://dx.doi.org/10.1183/13993003.01494-2020
40.	Existing Data Sources in Clinical Epidemiology: the Danish COVID-19 Cohort	Pottegård A, Kristensen K. B. Reilev M. Lund L. C. Ernst M. T. Hallas J. Thomsen R. W. Christiansen C. F. Sørensen H. T. Johansen N. B. Ståhring H. Christensen S. Kragh Thomsen M. Husby A. Voldstedlund M. Kjær J. Brun N. C.	2020	Clinical epidemiology 12 875-881 10.2147/CLEP.S257519
41.	Covid-19: symptoms are common after acute phase of disease, Italian study shows	Wise, J.	2020	BMJ (Clinical research ed.) 370 m2804 10.1136/bmj.m2804
42.	Post-COVID-19 follow-up clinic: depicting chronicity of a new disease	Rovere Querini, Patrizia; De Lorenzo, Rebecca; Conte, Caterina; Brioni, Elena; Lanzani, Chiara; Yacoub, Mona Rita; Chionna, Raffaella; Martinenghi, Sabina; Vitali, Giordano; Tresoldi, Moreno; Ciceri, Fabio	2020	Acta bio-medica : Atenei Parmensis 91, 9-S 22-28 https://dx.doi.org/10.23750/abm.v91i9-S.10146
43.	Coordinated and sustained immune memory responses after mild COVID-19	Alrubayyi, Aljawharah	2020	Nature reviews. Immunology 20, 11 648 https://dx.doi.org/10.1038/s41577-020-00450-6

44.	Long COVID - What doesn't kill you may not make you stronger	Ashton, John	2020	Journal of the Royal Society of Medicine 113, 11 466-467 https://dx.doi.org/10.1177/0141076820971225
45.	Long COVID: let patients help define long-lasting COVID symptoms	Anonymous	2020	Nature 586, 7828 170 https://dx.doi.org/10.1038/d41586-020-02796-2
46.	Consequences of infections: SARS-CoV-2 can trigger the dreaded Guillain-Barre syndrome. [German]	Anonymous	2020	Klinikarzt 49, 5 188 http://dx.doi.org/10.1055/a-1166-1809
47.	Rehabilitation of post-COVID-19 patients	Asly, Mouna; Hazim, Asmaa	2020	The Pan African medical journal 36 168 https://dx.doi.org/10.11604/pamj.2020.36.168.23823
48.	Post-Acute COVID-19: An Overview and Approach to Classification	Amenta, Eva M.; Spallone, Amy Rodriguez-Barradas Maria C.; El Sahly, Hana M.; Atmar, Robert L.; Kulkarni, Prathit A.	2020	Open Forum Infectious Diseases
49.	Detailed Organ System Analysis of Asymptomatic COVID19 patients using noninvasive mobile tool	Acculi Labs PvtLimited - Bengaluru, India	2020	ICTRP
50.	Study for clinical effect of rehabilitation nursing program for patients with novel coronavirus pneumonia (COVID-19)	Affiliated Hospital of Zunyi Medical, University	2020	ICTRP
51.	A Randomized Trial of Convalescent Plasma for COVID-19-Potentially Hopeful Signals	Casadevall, Arturo; Joyner, Michael J.; Pirofski, Liise-Anne	2020	JAMA 324, 5 455-457 https://dx.doi.org/10.1001/jama.2020.10218
52.	Post COVID-19 pneumology	Casan Clara, Pere; Martinez Gonzalez, Cristina	2020	La neumologia pos-COVID-19 56 Suppl 2 https://dx.doi.org/10.1016/j.arbres.2020.05.009
53.	Opportunities in Telemedicine, Lessons Learned After COVID-19 and the Way Into the Future	Abdel-Wahab, May; Rosenblatt, Eduardo; Prajogi, Ben; Zubizarreta, Eduardo; Mikhail, Miriam	2020	International journal of radiation oncology, biology, physics 108, 2 438-443 https://dx.doi.org/10.1016/j.ijrobp.2020.07.006
54.	Psychiatric Morbidities among COVID-19 Survivors	Doppalapudi, Lalasa; Lippmann, Steven	2020	Southern medical journal 113, 9 466-467 https://dx.doi.org/10.14423/SMJ.0000000000001146
55.	"Long covid": the Dutch response	Burgers, Jako	2020	BMJ (Clinical research ed.) 370 m3202 https://dx.doi.org/10.1136/bmj.m3202
56.	Covid-19 and chronic fatigue	Williams, Frances M. K.; Muirhead, Nina; Pariante, Carmine	2020	BMJ (Clinical research ed.) 370 m2922 https://dx.doi.org/10.1136/bmj.m2922
57.	COVID-19 Prevalence and Cognitive Deficits in Neurological Patients	Aarhus University, Hospital	2020	ClinicalTrials.gov
58.	Coronavirus (COVID-19) antibody response in healthcare staff: what proportion of healthcare staff have COVID-19 antibodies? How long do the antibodies last? Do the antibodies protect against recurring infection?	Abbott	2020	ICTRP
59.	Antioxidants as Adjuvant Therapy to Standard Therapy in Patients With COVID-19	Adrian Palacios-Chavarria, M. D. Principal investigator Unidad Temporal Covid-en Centro Citibanamex	2020	ClinicalTrials.gov
60.	HRCT chest imaging in pediatric, adult and geriatric patients with COVID-19 infection	adult, Hrct chest imaging in pediatric //; geriatric patients with, Covid-infection	2020	ICTRP
61.	Pilot Study Into LDN and NAD+ for Treatment of Patients With Post-COVID-19 Syndrome	AgelessRx	2020	ClinicalTrials.gov
62.	A Study of LAM-002A for the Prevention of Progression of COVID-19	Ai Therapeutics, Inc	2020	ClinicalTrials.gov
63.	Plasma Rich Antibodies From Recovered Patients From COVID19	Ain Shams, University	2020	ClinicalTrials.gov
64.	Measles Vaccine: Is There a Protective Role in COVID 19 Pandemic?	Ain Shams, University	2020	ClinicalTrials.gov

65.	Exchange Transfusion Versus Plasma From Convalescent Patients With Methylene Blue in Patients With COVID-19	Ain Shams, University	2020	ClinicalTrials.gov
66.	Efficacy and Safety of Favipiravir in Management of COVID-19	Ain Shams, University	2020	ClinicalTrials.gov
67.	COVID-19 in Patients With Anosmia in Egypt	Ain Shams, University	2020	ClinicalTrials.gov
68.	Application of BCG Vaccine for Immune-prophylaxis Among Egyptian Healthcare Workers During the Pandemic of COVID-19	Ain Shams, University	2020	ClinicalTrials.gov
69.	Ayurveda strength and immunity enhancing protocol and immunity in health care workers : clinical trial of an Ayurveda Intervention	All India Institute Of, Ayurveda	2020	ICTRP
70.	Efficacy of Sofosbuvir Plus Ledipasvir in Egyptian Patients With COVID-19 Compared to Standard Treatment	Almaza Military Fever, Hospital	2020	ClinicalTrials.gov
71.	An open label physician initiated 28 day phase 2a study of ifenprodil on lung function in confirmed covid-19 infected patients with severe pneumonia	An Open Label Physician Initiated 28 Day Phase 2A Study Of Ifenprodil On Lung Function In Confirmed Covid-19 Infected Patients With Severe, Pneumonia	2020	ICTRP
72.	Effect of a Nss to Reduce Complications in Patients With Covid-19 and Comorbidities in Stage III	Anahuac, University	2020	ClinicalTrials.gov
73.	Cardiovascular Consequences After COVID-19	Assistance Publique Hopitaux De, Marseille	2020	ClinicalTrials.gov
74.	Protective Role of Inhaled Steroids for Covid-19 Infection	Assistance Publique - Hopitaux de, Paris	2020	ClinicalTrials.gov
75.	Epidemiological Characteristics of Coronavirus Infection (SARS-CoV-2) in Patients With MS or NMO	Assistance Publique - Hopitaux de, Paris	2020	ClinicalTrials.gov
76.	COVID19-FOIE National Observatory	Assistance Publique - Hopitaux de, Paris	2020	ClinicalTrials.gov
77.	Cohort of Patients With Covid-19 Presenting Neurological or Psychiatric Disorders (CoCo-Neurosciences)	Assistance Publique - Hopitaux de, Paris	2020	ClinicalTrials.gov
78.	A Multicenter Randomized Trial to Evaluate the Efficacy and Safety of Camostat Mesylate for the Treatment of SARS-CoV-2 Infection - COVID-19 in Ambulatory Adult Patients	Assistance Publique - Hopitaux de, Paris	2020	ClinicalTrials.gov
79.	Post Covid Syndrome: Clinical Pattern and Functional Assessment	Assiut, University	2020	ClinicalTrials.gov
80.	Post COVID-19 Functional Status in Egypt	Assiut, University	2020	ClinicalTrials.gov
81.	Novel COVID-19, A National Analysis	Assiut, University	2020	ClinicalTrials.gov
82.	Characteristics and Outcomes of Gastrointestinal Manifestations of COVID-19	Assiut, University	2020	ClinicalTrials.gov
83.	An Open Non-comparative Study of the Efficacy and Safety of Aprotinin in Patients Hospitalized With COVID-19	Aviron, L. L. C.	2020	ClinicalTrials.gov
84.	Long-term Evolution of Pulmonary Involvement of Novel SARS-COV-2 Infection (COVID-19): Follow the Covid Study	Azienda Ospedaliera Universitaria di Bologna Policlinico, S. Orsola Malpighi	2020	ClinicalTrials.gov
85.	Rehabilitation Needs After COVID-19 Hospital Treatment	Azienda Unita Sanitaria Locale Reggio, Emilia	2020	ClinicalTrials.gov
86.	Treatment With Mesenchymal Stem Cells for Severe Corona Virus Disease 2019(COVID-19)	Beijing, Hospital	2020	ClinicalTrials.gov

87.	Study for the exercise rehabilitation therapy for the dysfunction of cured discharged novel coronavirus pneumonia (COVID-19) patients	Beijing Sports, University	2020	ICTRP
88.	Novel coronavirus pneumonia (COVID-19) loaded autologous dendritic cell trial	Beijing, T. I. L. Therapeutics	2020	ICTRP
89.	Development and application of TCM body regulating protection scheme for the convalescent population of novel coronavirus pneumonia (COVID-19)	Beijing University of Chinese, Medicine	2020	ICTRP
90.	The Clinical Study of Carrimycin on Treatment Patients With COVID-19	Beijing YouAn, Hospital	2020	ClinicalTrials.gov
91.	A Study to Assess Pulsed Inhaled Nitric Oxide vs Placebo in Subjects With Mild or Moderate COVID-19	Bellerophon Pulse, Technologies	2020	ClinicalTrials.gov
92.	Corticosteroid Nasal Spray in COVID-19 Anosmia	Benha, University	2020	ClinicalTrials.gov
93.	Ulinastatin for COVID-19 in patients with breathlessness	Bharat, Serums; Vaccines ltd - Mimbai, India	2020	ICTRP
94.	Quality of life in COVID-19 survivors	Board of directors, Ciro	2020	ICTRP
95.	Functional status and health status in COVID-19 patients pre and post rehabilitation	Board of Directors, Ciro	2020	ICTRP
96.	Home Management of Adult Egyptian Mild COVID-19 Cases	Cairo, University	2020	ClinicalTrials.gov
97.	Dysphagia and Dysphonia Outcomes in SARS CoV-2 (COVID-19) Infection (DYADS Study)	Cambridge University Hospitals, N. H. S. Foundation Trust	2020	ClinicalTrials.gov
98.	CAP-1002 in Severe COVID-19 Disease	Capricor, Inc	2020	ClinicalTrials.gov
99.	Factors Associated With Clinical Outcomes in Patients Hospitalized for Covid-19 in GHT-93 Est	Centre Hospitalier Intercommunal Robert, Ballanger	2020	ClinicalTrials.gov
100.	Chronic Fatigue Etiology and Recovery in Covid-19 Patients: the Role of Fatigability	Centre Hospitalier Universitaire de Saint, Etienne	2020	ClinicalTrials.gov
101.	Impact of a Minimal Psychoeducational Intervention on Anxiety Among Hospitalized COVID-19 Patients in Denmark	Copenhagen University Hospital, Hvidovre	2020	ClinicalTrials.gov
102.	Long COVID and chronic COVID syndromes	Halpin, Stephen; Connor, Rory; Sivan, Manoj	2020	J. med. virol
Other irrelevant (n=11)				
103.	Association between Long COVID and Overweight/Obesity	Vimercati, L.; De Maria, L.; Quarato, M.; Caputi, A.; Gesualdo, L.; Migliore, G.; Cavone, D.; Sponselli, S.; Pipoli, A.; Inchingolo, F.; Scarano, A.; Lorusso, F.; Stefanizzi, P.; Tafuri, S.	2021	Journal of Clinical Medicine 10, 18 14 https://dx.doi.org/10.3390/jcm10184143
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105.	Assessment and characterisation of post-COVID-19 manifestations	Kamal, Marwa; Abo Omirah, Marwa; Hussein, Amal; Saeed, Haitham	2021	International journal of clinical practice 75, 3 e13746 https://dx.doi.org/10.1111/ijcp.13746
106.	Comparing the impact of Hydroxychloroquine based regimens and standard treatment on COVID-19 patient outcomes: a retrospective cohort study	Almazrou Sh, Almalki Z. S. Alanazi A. S. Alqahtani A. M. AlGhamd S. M.	2020	Saudi pharmaceutical journal 10.1016/j.jsps.2020.09.019

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108. Pulmonary Function in Early Follow-up of patients with COVID-19 Pneumonia	Tabernero Huguet E, Urrutia Gajarte A. Ruiz Iturriaga L. A. Serrano Fernandez L. Marina Malanda N. Iriberrri Pascual M. Zalacain Jorge R.	2020	Archivos de bronconeumologia 10.1016/j.arbres.2020.07.017
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110. Acute and persistent symptoms in non-hospitalized PCR-confirmed COVID-19 patients (preprint)	Bliddal S, Banasik K. Pedersen O. B. Nissen I. Cantwell L. Schwinn M. Tulstrup M. Westergaard D. Ullum H. Brunak S. Tommerup N. Feenstra B. Geller F. Ostrowski S. R. Groenbaek K. Nielsen C. H. Nielsen S. D. Feldt-Rasmussen U.	2021	Medrxiv 2021.01.22.21249945 10.1101/2021.01.22.21249945
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113. SARS-CoV-2 pneumonia follow-up and long COVID in primary care: A retrospective observational study in Madrid city	Ares-Blanco, Sara; Perez Alvarez, Marta; Gefaell Larrondo, Ileana; Munoz, Cristina; Aguilar Ruiz, Vanesa; Castelo Jurado, Marta; Guisado-Clavero, Marina	2021	PloS one 16, 6 9 e0257604 https://dx.doi.org/10.1371/journal.pone.0257604
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114. The number of symptoms at the acute COVID-19 phase is associated with anxiety and depressive long-term post-COVID symptoms: A multicenter study	Fernandez-de-Las-Penas, Cesar; Pellicer-Valero, Oscar J.; Navarro-Pardo, Esperanza; Rodriguez-Jimenez, Jorge; Martin-Guerrero, Jose D.; Cigaran-Mendez, Margarita	2021	Journal of psychosomatic research 150 110625 https://dx.doi.org/10.1016/j.jpsychores.2021.110625
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Too short follow-up (n=115)			
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279. Early Anti-SARS-CoV-2 Convalescent Plasma in Patients Admitted for COVID-19: a Randomized Phase II Clinical Trial (preprint)	Balcells Me, Rojas L. Le Corre N. Martinez-Valdebenito C. Ceballos M. E. Ferres M. Chang M. Vizcaya C. Mondaca S. Huete A. Castro R. Sarmiento M. Villarreal L. Pizarro A. Ross P. Santander J. Lara B. Ferrada M. Vargas-Salas S. Beltran-Pavez C. Soto-Rifo R. Valiente-Echeverria F. Caglevic C. Mahave M. Selman C. Gazitua R. Briones J. L. Villarreal-Espindola F. Balmaceda C. Espinoza M. A. Pereira J. Nervi B.	2020	Medrxiv 2020.09.17.20196212 10.1101/2020.09.17.20196212
280. Vitamin D and survival in COVID-19 patients: a quasi-experimental study	Annweiler C, Hanotte B. de l'Eprevier C. G. Sabatier J. M. Lafaie L. Celarier T.	2020	Journal of steroid biochemistry and molecular biology 105771 10.1016/j.jsbmb.2020.105771
281. Management and outcomes of post-acute COVID-19 patients in Northern Italy	Vitacca M, Migliori G. B. Spanevello A. Melazzini M. G. Ambrosino N.	2020	European journal of internal medicine 10.1016/j.ejim.2020.06.005
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283. Experience with tocilizumab in severe COVID-19 pneumonia after 80 days of follow-up: A retrospective cohort study	Moreno-Perez, Oscar; Andres, Mariano; Leon-Ramirez, Jose-Manuel; Sanchez-Paya, Jose; Rodriguez, Juan Carlos; Sanchez, Rosario; Garcia-Sevila, Raquel; Boix, Vicente; Gil, Joan; Merino, Esperanza	2020	Journal of autoimmunity 114 102523 https://dx.doi.org/10.1016/j.jaut.2020.102523
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285. Outcomes Among Patients Hospitalized With COVID-19 and Acute Kidney Injury	Ng Jh, Hirsch J. S. Hazzan A. Wanchoo R. Shah H. H. Malieckal D. A. Ross D. W. Sharma P. Sakhiya V. Fishbane S. Jhaveri K. D. Northwell Nephrology Covid-Research Consortium	2020	American journal of kidney diseases 10.1053/j.ajkd.2020.09.002

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287. Characteristics of recovered COVID-19 patients with recurrent positive RT-PCR findings in Wuhan, China: a retrospective study	Shui Tj, Li C. Liu H. B. Chen X. Zhang B. K.	2020	BMC infectious diseases 20, 1 749 10.1186/s12879-020-05463-z
288. A compromised specific humoral immune response against the SARS-CoV-2 receptor-binding domain is related to viral persistence and periodic shedding in the gastrointestinal tract	Hu F, Chen F. Ou Z. Fan Q. Tan X. Wang Y. Pan Y. Ke B. Li L. Guan Y. Mo X. Wang J. Wang J. Luo C. Wen X. Li M. Ren P. Ke C. Li J. Lei C. Tang X. Li F.	2020	Cellular & molecular immunology 10.1038/s41423-020-00550-2
289. Clinical characteristics and risk factors of patients with severe COVID-19 in Jiangsu province, China: a retrospective multicentre cohort study	Liu S, Luo H. Wang Y. Cuevas L. E. Wang D. Ju S. Yang Y.	2020	BMC infectious diseases 20, 1 584 10.1186/s12879-020-05314-x
290. Patient Characteristics and Outcomes of 11,721 Patients with COVID19 Hospitalized Across the United States	Fried Mw, Crawford J. M. Mospan A. R. Watkins S. E. Munoz Hernandez B. Zink R. C. Elliott S. Burleson K. Landis C. Reddy K. R. Brown R. S.	2020	Clinical infectious diseases 10.1093/cid/ciaa1268
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292. Quantifying the prevalence of SARS-CoV-2 long-term shedding among non-hospitalized COVID-19 patients	Agarwal, Vineet; Venkatakrishnan, Aiveliagaram J.; Puranik, Arjun; Lopez-Marquez, Agustin; Challener, Douglas W.; O Horo, John C.; Badley, Andrew D.; Halamka, John D.; Morice, William G.; Soundararajan, Venky	2020	medRxiv : the preprint server for health sciences https://dx.doi.org/10.1101/2020.06.02.20120774
293. A cohort of patients with COVID-19 in a major teaching hospital in Europe	Borobia Am, Carcas A. J. Arnalich F. Alvarez-Sala R. Montserrat J. Quintana M. Figueira J. C. Torres Santos-Olmo R. M. Garcia-Rodriguez J. Martin-Vega A. Ramirez E. Buno A. Martinez-Ales G. Garcia-Arenzana N. Marti de Gracia M. Moreno F. Reinoso-Barbero F. Martin-Quiros A. Rivera A. Mingorance J. Carpio C. C. Prieto Arribas D. Rey Cuevas E. Prados M. C. Rios J. J. Hernan M. Frias J. Arribas J. R.	2020	Medrxiv 2020.04.29.20080853 10.1101/2020.04.29.20080853
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295. Clinical progression of patients with COVID-19 in Shanghai, China	Chen J, Qi T. Liu L. Ling Y. Qian Z. Li T. Li F. Xu Q. Zhang Y. Xu S. Song Z. Zeng Y. Shen Y. Shi Y. Zhu T. Lu H.	2020	Journal of infection 10.1016/j.jinf.2020.03.004
296. Repeat Chest Ct Scans In Moderate-to-Severe Patients' Management During the Covid-19 Pandemic: observations From a Single Centre in Wuhan, China	Chen L, Wang Q. Wu H. Hu J. Zhang J.	2020	Radiation protection dosimetry 10.1093/rpd/ncaa106
297. Post discharge positive re-tests in COVID-19: common but clinically non-significant	Abdullah Ms, Chong P. L. Asli R. Momin R. N. Mani B. I. Metussin D. Chong V. H.	2020	Infectious diseases (london, england) 10.1080/23744235.2020.1780309
298. Clinical Characteristics of Asymptomatic Patients with SARS-CoV-2 in Zhejiang: an Imperceptible Source of Infection	Dai W, Chen X. Xu X. Leng Z. Yu W. Lin H. Li H. Lin J. Qiu Z. Dai Y.	2020	Canadian respiratory journal 2020 2045341 10.1155/2020/2045341
299. SARS-CoV-2 RT-PCR profile in 298 Indian COVID-19 patients : a retrospective observational study	bhattacharya b, Kumar R. Meena DVp Soneja M. Vig S. Rastogi V. Bhatnagar S. Mohan A. Wig N.	2020	Medrxiv 2020.06.19.20135905 10.1101/2020.06.19.20135905
300. Discharge Clinical Characteristics and Post-Discharge Events in Patients with Severe COVID-19: a Descriptive Case Series	Saab Fg, Chiang J. N. Brook R. Adamson P. C. Fulcher J. A. Halperin E. Manuel V. Goodman-Meza D.	2021	Journal of general internal medicine 10.1007/s11606-020-06494-7

301. Characteristics, Treatment Outcomes and Role of Hydroxychloroquine among 522 COVID-19 hospitalized patients in Jaipur City: an Epidemio-Clinical Study	Bhandari S, Singh A. Sharma R. Rankawat G. Banerjee S. Gupta V. Dube A. Kakkar S. Sharma S. Keswani P. Agrawal A. Tak A. Nawal C. L.	2020	Journal of the Association of Physicians of India 68, 6 13-19
302. Baseline Characteristics and Associated Factors of Mortality in COVID-19 Patients; an Analysis of 16000 Cases in Tehran, Iran	Zali A, Gholamzadeh S. Mohammadi G. Azizmohammad Looha M. Akrami F. Zarean E. Vafaei R. Maher A. Khodadoost M.	2020	Archives of academic emergency medicine 8, 1 e70
303. Tocilizumab improves significantly clinical outcomes of patients with moderate or severe COVID-19 pneumonia	Assistance Publique - Hopitaux de, Paris	2020	
304. Prevalence and Outcomes of D-Dimer Elevation in Hospitalized Patients With COVID-19	Berger Js, Kunichoff D. Adhikari S. Ahuja T. Amoroso N. Aphinyanaphongs Y. Cao M. Goldenberg R. Hindenburg A. Horowitz J. Parnia S. Petrilli C. Reynolds H. Simon E. Slater J. Yaghi S. Yuriditsky E. Hochman J. Horwitz L. I.	2020	Arteriosclerosis, thrombosis, and vascular biology ATVBAHA120314872 10.1161/ATVBAHA.120.314872
305. Frequency of serological non-responders and false-negative RT-PCR results in SARS-CoV-2 testing: a population-based study	Baron Rc, Risch L. Weber M. Thiel S. Grossmann K. Wohlwend N. Lung T. Hillmann D. Ritzler M. Bigler S. Egli K. Ferrara F. Bodmer T. Imperiali M. Heer S. Renz H. Flatz L. Kohler P. Vernazza P. Kahlert C. R. Paprotny M. Risch M.	2020	Clinical chemistry and laboratory medicine 10.1515/cclm-2020-0978
306. Characteristics and predictors of death among 4,035 consecutively hospitalized patients with COVID-19 in Spain	Berenguer J, Ryan P. Rodriguez-Bano J. Jarrin I. Carratala J. Pachon J. Yllescas M. Arribas J. R. Covid-Spain Study Group	2020	Clinical microbiology and infection 10.1016/j.cmi.2020.07.024
307. COVIDApp as an Innovative Strategy for the Management and Follow-Up of COVID-19 Cases in Long-Term Care Facilities in Catalonia: Implementation Study	Echeverria, Patricia; Mas Bergas, Miquel Angel; Puig, Jordi; Isnard, Mar; Massot, Mireia; Vedia, Cristina; Peiro, Ricardo; Ordorica, Yolanda; Pablo, Sara; Ulldemolins, Maria; Iruela, Merce; Balart, Dolors; Ruiz, Jose Maria; Herms, Jordi; Clotet Sala, Bonaventura; Negro, Eugenia	2020	JMIR public health and surveillance 6, 3 e21163 https://dx.doi.org/10.2196/21163
Wrong population (n=14)			
308. Psychological distress among people with probable COVID-19 infection: analysis of the UK Household Longitudinal Study	Niedzwiedz, Claire L.; Benzeval, Michaela; Hainey, Kirsten; Leyland, Alastair H.; Katikireddi, Srinivasa Vittal	2021	BJPsych open 7, 3 e104 https://dx.doi.org/10.1192/bjo.2021.63
309. Recovery from COVID-19: a sprint or marathon? 6-month follow-up data from online long COVID-19 support group members	Vaes, Anouk W.; Goertz, Yvonne M. J.; Van Herck, Maarten; Machado, Felipe V. C.; Meys, Roy; Delbressine, Jeannet M.; Houben-Wilke, Sarah; Gaffron, Svetlana; Maier, Dieter; Burtin, Chris; Posthuma, Rein; van Loon, Nicole P. H.; Franssen, Frits M. E.; Hajian, Bitan; Simons, Sami O.; van Boven, Job F. M.; Klok, Frederikus A.; Spaetgens, Bart; Pinxt, Claire M. H.; Liu, Limmie Y. L.; Wesseling, Geertjan; Spies, Yvonne; Vijlbrief, Herman; van 't Hul, Alex J.; Janssen, Daisy J. A.; Spruit, Martijn A.	2021	ERJ open research 7, 2 https://dx.doi.org/10.1183/23120541.00141-2021
310. Epidemiological pattern, incidence and outcomes of COVID-19 in liver transplant patients	Colmenero J, Rodriguez-Peralvarez M. Salcedo M. Arias-Milla A. Munoz-Serrano A. Graus J. Nuno J. Gastaca M. Bustamante-Schneider J. Cachero A. Llado L. Caballero A. Fernandez-Yunquera A. Loinaz C. Fernandez I. Fondevilla C. Navasa M. Inarrairaegui M. Castells L. Pascual S. Ramirez P. Vinaixa C. Gonzalez-Dieguez M. L. Gonzalez-Grande R. Hierro L. Nogueras F. Otero A. Alamo J. M. Blanco-Fernandez G. Fabrega E. Garcia-Pajares F. Montero J. L. Tome S. De la Rosa G. Pons J. A.	2020	Journal of hepatology 10.1016/j.jhep.2020.07.040

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312. Outcomes of novel coronavirus disease 2019 (COVID-19) infection in 107 patients with cancer from Wuhan, China	Zhang H, Wang L. Chen Y. Wu Q. Chen G. Shen X. Wang Q. Yan Y. Yu Y. Zhong Y. Wang X. Chua M. L. K. Xie C.	2020	Cancer 10.1002/cncr.33042
313. Long-term patient-reported symptoms of COVID-19: an analysis of social media data	Juan, M. Banda; Gurdas Viguraji, Singh; Osaid, Alser; Daniel, Prieto-Alhambra	2020	Medrxiv 2020. 10.1101/2020.07.29.20164418
314. Changes in Physical Activity and Sedentary Behavior in Response to COVID-19 and Their Associations with Mental Health in 3052 US Adults	Meyer, Jacob; McDowell, Cillian; Lansing, Jeni; Brower, Cassandra; Smith, Lee; Tully, Mark; Herring, Matthew	2020	International journal of environmental research and public health 17, 18 https://dx.doi.org/10.3390/ijerph17186469
315. Care Dependency in Non-Hospitalized Patients with COVID-19	Vaes, Anouk W.; Machado, Felipe V. C.; Meys, Roy; Delbressine, Jeannet M.; Goertz, Yvonne M. J.; Van Herck, Maarten; Houben-Wilke, Sarah; Franssen, Frits M. E.; Vijlbrief, Herman; Spies, Yvonne; Van 't Hul, Alex J.; Burtin, Chris; Janssen, Daisy J. A.; Spruit, Martijn A.	2020	Journal of Clinical Medicine 9, 9 2946-2946
316. Persistent symptoms after Covid-19: qualitative study of 114 long Covid patients and draft quality criteria for services (preprint)	Ladds E, Rushforth A. Wieringa S. Taylor S. Rayner C. Husain L. Greenhalgh T.	2020	Medrxiv 2020.10.13.20211854 10.1101/2020.10.13.20211854
317. What Is the Impact of the COVID-19 Pandemic on Quality of Life and Other Patient-reported Outcomes? An Analysis of the Hand-Wrist Study Cohort	Cohen A, Selles R. W. De Ridder W. A. Ter Stege M. H. P. Souer J. S. Wouters R. M. Handâ€Wrist Study Group Collaborators	2020	Clinical orthopaedics and related research 10.1097/CORR.0000000000001514
318. Construct validity of the Post-COVID-19 Functional Status Scale in adult subjects with COVID-19	Machado Fvc, Meys R. Delbressine J. M. Vaes A. W. Goertz Y. M. J. van Herck M. Houben-Wilke S. Boon Gjam Barco S. Burtin C. van 't Hul A. Posthuma R. Franssen F. M. E. Spies Y. Vijlbrief H. Pitta F. Rezek S. A. Janssen D. J. A. Siegerink B. Klok F. A. Spruit M. A.	2021	Health and quality of life outcomes 19, 1 40 10.1186/s12955-021-01691-2
319. Characterizing Long COVID in an International Cohort: 7 Months of Symptoms and Their Impact (preprint)	Davis He, Assaf G. S. McCorkell L. Wei H. Low R. J. Reâ€™em Y. Redfield S. Austin J. P. Akrami A.	2020	Medrxiv 2020.12.24.20248802 10.1101/2020.12.24.20248802
320. Multi-organ impairment in low-risk individuals with long COVID	Andrea, Dennis; Malgorzata, Wamil; Sandeep, Kapur; Johann, Alberts; Andrew, Badley; Gustav Anton, Decker; Stacey, A. Rizza; Rajarshi, Banerjee; Amitava, Banerjee	2020	10.1101/2020.10.14.20212555
321. Post-acute COVID-19 syndrome negatively impacts health and wellbeing despite less severe acute infection	Laura, Tabacof; Jenna, Tosto-Mancuso; Jamie, Wood; Mar, Cortes; Amy, Kontorovich; Dayna, McCarthy; Dahlia, Rizk; Leila, Nasr; Erica, Breyman; Nicki, Mohammadi; Christopher, Kellner; David, Putrino	2020	Medrxiv 2020. 10.1101/2020.11.04.20226126
Wrong setting (n=2)			
322. Residual Lung Injury in Patients Recovering From COVID-19 Critical Illness: A Prospective Longitudinal Point-of-Care Lung Ultrasound Study	Alharthy, A.; Abuhamdah, M.; Balhamar, A.; Faqih, F.; Nasim, N.; Ahmad, S.; Noor, A.; Tamim, H.; Alqahtani, S. A.; Abdulaziz Al Saud, Aasb; Kutsogiannis, D. J.; Brindley, P. G.; Memish, Z. A.; Karakitsos, D.; Blaivas, M.	2020	Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine 10.1002/jum.15563
323. CT Quantification and Machine-learning Models for Assessment of Disease Severity and Prognosis of COVID-19 Patients	Cai W, Liu T. Xue X. Luo G. Wang X. Shen Y. Fang Q. Sheng J. Chen F. Liang T.	2020	Academic radiology 10.1016/j.acra.2020.09.004
Wrong study design (n=13)			
324. Prevalence of Functional Limitation in COVID-19 Recovered Patients Using the Post COVID-19 Functional Status Scale	Pant, Pankaj; Joshi, Aishana; Basnet, Babin; Shrestha, Bibek Man; Bista, Navindra Raj; Bam, Niraj; Das, Santa Kumar	2021	JNMA; journal of the Nepal Medical Association 59, 233 https://dx.doi.org/10.31729/jnma.5980

325. Long term morbidity and mortality in covid patients discharged from hospital with or without steroid as discharge medication	Routray, P.; Samal, S.; Mishra, D.	2021	Intensive Care Medicine Experimental. Conference: European Society of Intensive Care Medicine Annual Congress, 9 SUPPL 1 http://dx.doi.org/10.1186/s40635-021-00415-6
326. Prevalence of mental illness among COVID-19 survivors in South Korea: nationwide cohort	Park, Hye Yoon; Song, In-Ae; Lee, So Hee; Sim, Min Young; Oh, Hong Sang; Song, Kyoung-Ho; Yu, Eun-Seung; Park, Hye Youn; Oh, Tak Kyu	2021	BJPsych open 7, 6 e183 https://dx.doi.org/10.1192/bjo.2021.1001
327. Outcomes Among Patients Referred to Outpatient Rehabilitation Clinics After COVID-19 diagnosis - United States, January 2020-March 2021	Rogers-Brown, Jessica S.; Wanga, Valentine; Okoro, Catherine; Brozowsky, Diane; Evans, Alan; Hopwood, David; Cope, Jennifer R.; Jackson, Brendan R.; Bushman, Dena; Hernandez-Romieu, Alfonso C.; Bonacci, Robert A.; McLeod, Tim; Chevinsky, Jennifer R.; Goodman, Alyson B.; Dixon, Meredith G.; Lutfy, Caitlyn; Rushmore, Julie; Koumans, Emily; Morris, Sapna Bamrah; Thompson, William	2021	MMWR. Morbidity and mortality weekly report 70, 27 967-971 https://dx.doi.org/10.15585/mmwr.mm7027a2
328. Evaluating the depression, anxiety, stress, and predictors of psychological morbidity among COVID-19 Survivors in Mashhad, Iran	Salimi, Z.; Najafi, R.; Khalesi, A.; Oskoei, R.; Moharreri, F.; Khaniki, S. H.; Shahini, N.; Soltanifar, A.; Ardabili, H. M.	2021	Iranian Journal of Psychiatry and Behavioral Sciences 15(2) e108972 http://dx.doi.org/10.5812/ijpbs.108972
329. "Post-COVID-19 syndrome:" The New Pandemic Affecting Healthcare Workers and How the Frontline Warriors Are Battling it	Rao, S.; Amara, V.; Chaudhuri, S.; Rao, B. K.; Todur, P.	2021	Indian Journal of Palliative Care 27, 2 313-318 https://dx.doi.org/10.25259/IJPC_160_21
330. Severe Fatigue and Memory Impairment Are Associated with Lower Serum Level of Anti-SARS-CoV-2 Antibodies in Patients with Post-COVID Symptoms	Molnar, T.; Varnai, R.; Schranz, D.; Zavori, L.; Peterfi, Z.; Sipos, D.; Tokes-Fuzesi, M.; Illes, Z.; Buki, A.; Csecsei, P.	2021	Journal of Clinical Medicine 10, 19 23 https://dx.doi.org/10.3390/jcm10194337
331. Prevalence of Post-traumatic Stress Symptoms and Its Associations With Quality of Life, Demographic and Clinical Characteristics in COVID-19 Survivors During the Post-COVID-19 Era	Yuan, Yuan; Liu, Zi-Han; Zhao, Yan-Jie; Zhang, Qing; Zhang, Ling; Cheung, Teris; Jackson, Todd; Jiang, Guo-Qing; Xiang, Yu-Tao	2021	Frontiers in psychiatry 12 665507 https://dx.doi.org/10.3389/fpsy.2021.665507
332. Brain imaging before and after COVID-19 in UK Biobank	Douaud, Gwenaelle; Lee, Soojin; Alfaro-Almagro, Fidel; Arthofer, Christoph; Wang, Chaoyue; Lange, Frederik; Andersson, Jesper L. R.; Griffanti, Ludovica; Duff, Eugene; Jbabdi, Saad; Taschler, Bernd; Winkler, Anderson; Nichols, Thomas E.; Collins, Rory; Matthews, Paul M.; Allen, Naomi; Miller, Karla L.; Smith, Stephen M.	2021	medRxiv : the preprint server for health sciences https://dx.doi.org/10.1101/2021.06.11.21258690
333. Efficacy and safety of tocilizumab in severe COVID-19 patients: a single-centre retrospective cohort study	Campochiaro C, Della-Torre E. Cavalli G. De Luca G. Ripa M. Boffini N. Tomelleri A. Baldissera E. Rovere-Querini P. Ruggeri A. Monti G. De Cobelli F. Zangrillo A. Tresoldi M. Castagna A. Dagna L.	2020	European journal of internal medicine 76 43-49 10.1016/j.ejim.2020.05.021
334. Early COVID-19 Therapy with Azithromycin Plus Nitazoxanide, Ivermectin or Hydroxychloroquine in Outpatient Settings Significantly Reduced Symptoms Compared to Known Outcomes in Untreated Patients	Flavio, A. Cadegiani; Andy, Goren; Carlos Gustavo, Wambier; John, McCoy	2021	New Microbes New Infect. 2021 Sep;43:100915. doi: 10.1016/j.nmni.2021.100915. Epub 2021 Jul 7
335. Pre-existing conditions are associated with long-COVID patients' hospitalization, despite confirmed clearance of SARS-CoV-2 virus (preprint)	Pawlowski C, Venkatakrishnan A. J. Ramudu E. Kirkup C. Puranik A. Kayal N. Berner G. Anand A. Barve R. Oâ€™Horo J. C. Badley A. D. Soundararajan V.	2020	Medrxiv 2020.10.28.20221655 10.1101/2020.10.28.20221655
336. Identifying patients at risk of post-discharge complications related to COVID-19 infection	Hall J, Myall K. Lam J. L. Mason T. Mukherjee B. West A. Dewar A.	2021	Thorax 10.1136/thoraxjnl-2020-215861

Supplementary Table 2: Risk of bias

Adapted Newcastle Ottawa Scale: ○ (0.5) ● (1) or zero

	Author	Selection 1	Selection 2	Selection 3	Compara- bility	Outcome 1	Outcome 2	Outcome 3	Outcome 4	Outcome 5	Outcome 6
1.	Abdelrahman, M et al(1)	●			●	●		●		●	
2.	Al-Aly, Z et al (<i>Split cohort: non-hospitalised</i>)(2)	●	●	●	●	●	●	●	●	●	
2a.	Al-Aly, Z et al (<i>Split cohort: hospitalised</i>)(2)	●		●	●	●	●	●	●	●	
3.	Aminian, A et al(3)	●	●		●	●	●			●	
4.	Arnold, D et al(4)	○			●	●	●	●	●		
5.	Augustin, M et al(5)	●	●		●	●	●	●	●		
6.	Ayoubkhani, D et al(6)	○		●	●	●	●			●	
7.	Baricich, A et al(7)	○		●	●		●				
8.	Becker, J et al(8)	●	●		●	●	●			●	
9.	Bellan, M et al(9)	●		●	●	●	●	●		●	
10.	Blanco, J et al(10)	●			●	●	●		●	●	
11.	Bliddal, S et al(11)	●			●	●	●	●	●	●	
12.	Blomberg, B et al(12)	●		●	●	●	●	●	●	●	
13.	Boscolo-Rizzo, P et al(13)	●	●		●	●	●	●	●	●	
14.	Carrillo-Garcia, P et al(14)	○		●	●	●	●	●	●	●	
15.	Caruso, D et al(15)	●			●	●	●	●		●	
16.	Caspersen, I et al(16)	●	●	●	●	●	●	●	●	●	
17.	Castro, V et al(17)	●		●		●	●	●	●	●	
18.	Chai, C et al(18)	●				●	●	●	●		
19.	Cirulli et al(19)	●	●	●	●	●	●	●	●		
20.	Clavario, P et al(20)	●			●	●	●	●	●	●	
21.	Cristillo, V et al(21)				●		●		●		
22.	Diaz-Fuentes, G et al(22)	●			●	●	●	●		●	
23.	Domenech-Montoliu, S et al(23)	●	●		●	●	●	●	●	●	
24.	Erol, N et al(24)	●		●		●	●	●		●	
25.	Evans, R et al (PHOSP-COVID study) (25)	○		●	●	●	●	●			●
26.	Evans, R et al (PHOSP-COVID study) (26)	○		●	●		●	●		●	
27.	Fernandez-de-Las-Penas, C et al (27)	●			●	●	●	●	●	●	
28.	Fernandez-de-Las-Penas, C et al(28)	●			●	●	●		●	●	
29.	Fernandez-de-Las-Penas, C et al(29)	●		●	●	●	●		●	●	

30.	Frija-Masson, J et al(30)	●			●	●	●		●	●	●
31.	Froidure, A et al(31)	●			●		●		●	●	
32.	Fu, L et al(32)	○		●	●	●	●		●	●	
33.	Gaber, T et al(33)	○			●	●		●			
34.	Garcia-Abellan, J et al(34)	●			●		●	●	●	●	
35.	Garratt, A et al (35)	●		●	●	●	●	●		●	
36.	Gonzalez-Hermosillo, J et al(36)	●		●	●	●	●	●	●	●	
37.	Han, X et al(37)	●			●	●	●		●	●	
38.	Havervall, S et al(38)	●		○	●	●	●	●	●	●	
39.	Huang, C et al(39)	●			●		●	●	●	●	●
40.	Huang, L et al(40)	●		●	●	●	●	●	●	●	
41.	Jacobson, K et al(41)	●				●	●	●	●	●	
42.	Kashif, A et al(42)	●	●		●	●	●	●		●	
43.	Kim, Y et al(43)	●			●	●	●	●	●		
44.	Lemhofer, C et al(44)	●	●		●	●	●	●	●		
45.	Li, X et al(45)	●			●		●		●		
46.	Liao, T et al(46)	●			●		●				
47.	Liao, X et al(47)	●			●		●			●	
48.	Liu, Y-H et al(48)	○		●	●	●	●				
49.	Liyanage-Don, A et al(49)			●	●	●	●	●			
50.	Logue, J et al(50)	●		●	●		●	●		●	
51.	Lucidi, T et al(51)				●	●	●		●	●	
52.	Lui, D et al(52)	●	●	●	●	●	●	●	●	●	
53.	Maestre-Muniz, M et al(53)	●			●	●	●	●		●	
54.	Martinez, A et al(54)	●		●	●	●	●	●	●	●	
55.	Matteudi, T et al(55)	●			●	●	●	●			
56.	Mazza, M et al(56)	●		●	●	●	●		●	●	
57.	Mechi, A et al(57)	●			●	●	●	●	●	●	
58.	Mei, Q et al(58)	○		●	●	●	●			●	
59.	Mei, Q et al(59)	●			●	●	●	●	●	●	
60.	Menges, D et al(60)	●		●	●	●	●	●		●	
61.	Milanese, M et al(61)	○			●	●	●			●	●
62.	Millet, C et al(62)	●	●		●	●	●	●	●		
63.	Mohiuddin Chowdhury, A et al(63)	●			●	●		●	●		
64.	Munblit, D et al(64)	○			●	●	●	●	●		

65.	Nabahati, M et al(65)	●			●		●				
66.	Nehme, M, et al(66)	●	●	●	●	●	●	●	●		
67.	Nguyen, N et al(67)	●		●	●	●	●		●		
68.	Nunez-Fernandez, M et al(68)	●		●	●	●	●		●	●	
69.	O'Keefe, J et al(69)	●		●	●	●	●	●		●	
70.	Office for National Statistics(70)	●	●	●	●	●	●	●	●	●	
71.	Ong, S et al(71)	●			●	●	●	●	●		
72.	Orru, G et al(72)							●			
73.	Osmanov, I et al(73)	●		●	●	●	●	●			
74.	Peghin M, et al(74)	○			●	●	●	●	●		●
75.	Peluso, M et al(75)	●		●	●	●	●	●	●	●	
76.	Petersen, M et al(76)	●	●		●	●	●	●		●	
77.	Qin, W et al(77)	●			●		●	●	●	●	
78.	Qu, G et al(78)	●			●	●	●	●		●	
79.	Radtke, T et al(79)	●	●	●	●	●	●	●	●	●	
80.	Rass, V et al(80)	●		●	●		●	●	●	●	
81.	Riestra-Ayora, J et al(81)	●		●	●	●	●			●	
82.	Righi, E et al(82)	●	●	●	●	●	●	●	●		
83.	Roessler, M et al(83) (<i>Split cohort: adults</i>)	●	●	●	●	●	●	●	●	●	
83a.	Roessler, M et al(83) (<i>Split cohort: children</i>)	●	●	●	●	●	●	●	●	●	
84.	Romero-Duarte, A et al(84)	●			●	●	●	●	●	●	
85.	Sathyamurthy, P et al(85)	●		●	●	●	●	●		●	
86.	Seeßle, J et al(86)	●		●	●		●	●	●		
87.	Shang, Y et al(87)	●			●	●	●	●	●		
88.	Sibila, O et al(88)	○			●	●	●	●	●	●	
89.	Sigfrid, L et al(89)	○		●	●	●	●	●			
90.	Simani, L et al(90)	○		●	●	●	●		●		●
91.	Skala, M et al(91)	●		●	●	●	●	●	●	●	
92.	Skjorten, I et al(92)	○			●	●	●		●	●	
93.	Sonnweber, T et al(93)	●		●	●	●	●	●	●	●	
94.	Soraas, A et al(94)	●		●		●	●	●	●	●	
95.	Soraas, A et al(95)	●		●	●	●	●	●	●	●	
96.	Stavem, K et al(96)	●			●	●	●	●			
97.	Stavem, K et al(97)	●	●		●	●	●				

98.	Stephenson, T et al(98)	●		●	●	●	●	●	●	●	
99.	Sudre, C et al(99)	●	●	●	●	●	●	●	●	●	
100.	Sykes, D et al(100)	●			●	●	●	●			
101.	Taboada, M et al(101)	●		●	●	●	●		●	●	
102.	Taquet, M et al(102)	○		●	●		●		●	●	
103.	Taquet, M et al(103)	●	●	●	●	●	●	●	●	●	
104.	Tarsitani, L et al(104)	○		●	●	●	●		●		
105.	Tawfik, H et al(105)	●			●	●	●	●			
106.	Taylor, R et al(106)			●	●	●	●	●	●	●	
107.	Tempany, M et al(107)	●			●	●	●	●		●	
108.	The Writing Committee for the COMEBAC Study Group(108)	○		●			●	●	●		
109.	Tholin, B et al(109)	●			●	●			●	●	
110.	Tleyjeh, I et al(110)	●		●	●	●	●	●	●	●	●
111.	Todt, B et al(111)	●		●	●	●	●	●	●		
112.	Tohamy, D et al(112)	●		●		●	●		●	●	
113.	Townsend, L et al(113)	●		●	●	●	●				●
114.	Trunfio, M et al(114)	●	●		●	●	●	●	●	●	
115.	Ursini, F et al(115)	●	●		●	●	●	●		●	
116.	Venturelli, S et al(116)	●		●	●		●	●	●	●	
117.	Walle-Hansen, M et al(117)	●		●	●		●		●		
118.	Weng, J et al(118)	●		●	●	●		●	●	●	
119.	Whitaker, M et al(119)				●	●	●	●	●	●	
120.	Xiong, L et al(120)	○			●		●				
121.	Xiong, Q et al(121)	●		●		●	●	●			
122.	Yan, B et al(122)	●			●	●				●	
123.	Yan, X et al(123)	●			●	●	●			●	
124.	Yin, X et al(124)	●			●		●			●	
125.	Zayet, S et al(125)	●		●	●	●	●	●	●	●	
126.	Zhan, Y et al(126)	●			●	●	●		●	●	
127.	Zhang, D et al(127)	●					●		●		
128.	Zhang, J et al(128)	●			●		●		●		
129.	Zhang, X et al(129)	●			●	●	●	●	●	●	
130.	Zhou, M et al(130)	●		●	●	●	●	●	●	●	

Supplementary Table 3: Adapted Newcastle-Ottawa Scale Risk of Bias Tool

Selection/denominator 1: Definition/diagnostic criteria	●	Confirmed by laboratory (any - Ag/Ab/PCR)
	○	clinical diagnosis – not lab confirmed
		Self-diagnosed – not lab or clinically confirmed
Selection/denominator 2: Representativeness of all COVID-19 cases in the population (adult or children)	●	Representative of community-based COVID19 cases
		hospitalised only
		<70% response rate or response rate not stated
		Intensive care patients included but proportion not stated and/or ICU patient outcome data not separated/stratified
		Healthcare workers only or other demographic-specific e.g. age, gender
		Pre-existing condition patient group e.g. transplant patients
Selection/denominator 3: Outcome of interest (LC symptoms) was not present prior to infection		Specific groups e.g. support groups
	●	Health status assessment pre-coronavirus
		No health status assessment
Comparability: Source of participants without LC symptoms	●	Comparison to test-negative controls
	●	Drawn from same source as those with LC symptoms
		drawn from a different source
Outcome/numerator 1: Systematic assessment		no description
	●	All participants assessed
		Targeted/unstructured
Outcome/numerator 2: Quality of assessment		Different methods of data collection used for different participants
	●	Clinician diagnosis of LC symptoms/pathology using a structured approach
	●	Systematic symptoms/pathology assessment
	●	Standardised rating scales
	●	High-quality qualitative methods
Outcome/numerator 3: Comprehensiveness of LC symptoms/pathology assessed		Unstructured reporting of diagnosis, symptoms or severity
	●	Good range of LC symptoms assessed with severity captured
		Few symptoms assessed
Outcome/numerator 4: Follow-up period		single pathology assessed
	●	Same time-point for all, follow-up time adequate
		Follow-up time-point based on hospital admission or length of hospitalisation, with no indication of symptom-onset or test date
		Unclear length of illness
Outcome/numerator 5: Loss to follow-up		Not all patients discharged, so actual length of illness unknown
	●	complete follow-up – all subjects accounted for
	●	subjects lost to follow-up unlikely to introduce bias – small number lost [> 70% followed-up] or description provided of those lost
		no statement
Outcome/numerator 6: Effect of interventions		no follow-up (cross-sectional)
	●	Differential effect of intervention considered e.g. treatment
		No consideration of interventions

Supplementary Table 4: Subgroup analysis

Subgroup	Number of studies	Range of Long Covid prevalence	Pooled estimate	Prediction intervals	Figure
Length of follow-up					Supplementary Figure 1
12wks – 5m	73	0% - 92%	39.8%	5.1% - 89.1%	
6 – 11m	49	10% - 93%	44.9%	8.0% - 88.4%	
12+m	12	17% - 81%	48.5%	12.7% - 86%	
Percentage hospitalised					Supplementary Figure 2
<10%	24	0% - 67%	26.4%	2.6% - 82.8%	
10-99%	29	3% - 79%	41.1%	8.4% - 84.2%	
100%	65	5% - 93%	47.5%	8.3% - 90.0%	
Percentage admitted to intensive care					Supplementary Figure 3
<5%	48	0% - 86%	34.9%	5.2% - 84.0%	
5% – 9.9%	16	3% - 81%	41.8%	3.5% - 93.5%	
10+%	31	5% - 93%	48.8%	5.7% - 93.7%	
Severity of acute infection					Supplementary Figure 4
Ambulatory mild disease: symptomatic, independent	17	0% - 67%	23.5%	1.6% - 85.7%	
Ambulatory mild disease: symptomatic, assistance sought	21	3% - 62%	35.1%	5.8% - 82.5%	
Hospitalised moderate disease: no oxygen therapy	17	10% - 86%	46.1%	7.0% - 90.6%	
Hospitalised moderate disease: oxygen by mask or nasal prongs	37	5% - 81%	44.0%	10.7% - 83.7%	
Hospitalised severe disease: oxygen by NIV or high flow	27	9% - 93%	54.8%	7.7% - 94.7%	
Sample recruitment source					Supplementary Figure 42
Community	21	3% - 67%	25.6%	1.8% - 86.3%	
Healthcare workers	8	21% - 70%	38.4%	9.3% - 79.0%	
Outpatients	17	5% - 82%	45.5%	8.4% - 88.4%	
Social media	3	44% - 74%	60.4%	0.0% - 100.0%	

Subgroup	Number of studies	Range of Long Covid prevalence	Pooled estimate	Prediction intervals	Figure
Hospitalised	69	0% - 93%	46.5%	8.2% - 89.4%	Figure 3
Method of outcome assessment					
Pathology discovered at follow-up	20	5% - 86%	51.7%	12.3% - 89.1%	
Symptoms & function discovered at follow-up	93	0% - 93%	43.9%	8.2% - 87.2%	
Outcomes from health record linkage	9	3% - 44%	13.6%	1.2% - 68.0%	Supplementary Figure 43
Risk factor or comorbidities					
<50yrs	41	-	38.5%	7.9% - 82.1%	
50+yrs	66	-	47.7%	7.9% - 90.6%	
<50% female	59	-	45.6%	5.5% - 92.4%	
50+% female	58	-	38.7%	8.5% - 81.2%	
<50% white ethnicity	8	-	56.3%	22.3% - 85.2%	
50+% white ethnicity	16	-	37.6%	1.7% - 95.3%	
<10% current smoker	21	-	55.7%	11.4% - 92.4%	
10+% current smoker	32	-	50.5%	12.4% - 88.0%	
<20% pre-existing obesity	18	-	37.5%	3.7% - 90.3%	
20+% pre-existing obesity	19	-	48.7%	5.5% - 94.0%	
<10% pre-existing diabetes	34	-	35.4%	5.7% - 83.2%	
10+% pre-existing diabetes	41	-	51.9%	8.3% - 92.8%	
<30% pre-existing hypertension	42	-	37.3%	7.0% - 82.5%	
30+% pre-existing hypertension	30	-	58.5%	16.9% - 90.7%	
5+% pre-existing cholesterol disorder	13	-	52.6%	18.3% - 84.6%	
<10% pre-existing CVD	39	-	38.2%	5.9% - 85.9%	
10+% pre-existing CVD	30	-	54.7%	9.4% - 93.4%	
<5% pre-existing cancer	34	-	44.9%	6.0% - 91.2%	
5+% pre-existing cancer	13	-	43.9%	11.1% - 83.1%	
<10% pre-existing respiratory disease	40	-	40.1%	6.4% - 86.6%	
10+% pre-existing respiratory disease	29	-	49.3%	7.4% - 92.2%	
<5% pre-existing liver disease	17	-	39.3%	3.4% - 92.2%	

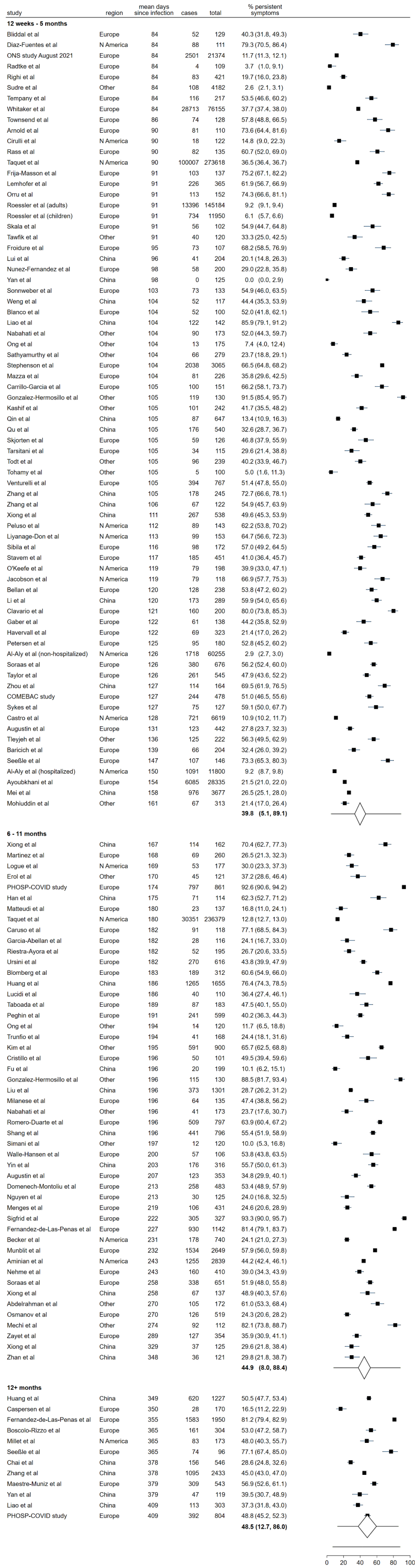
Subgroup	Number of studies	Range of Long Covid prevalence	Pooled estimate	Prediction intervals	Figure
5+% pre-existing liver disease	5	-	64.3%	12.3% - 95.9%	
<5% pre-existing kidney disease	23	-	42.3%	7.8% - 86.4%	
5+% pre-existing kidney disease	13	-	61.2%	5.6% - 97.7%	
5+% pre-existing thyroid disease	4	-	36.2%	2.3% - 93.1%	
<5% pre-existing neurological disorder	5	-	31.2%	1.4% - 93.7%	
5+% pre-existing neurological disorder	7	-	34.5%	2.2% - 92.4%	
<5% pre-existing immunological disorder or allergy	9	-	27.8%	2.9% - 83.1 %	
5+% pre-existing immunological disorder or allergy	15	-	52.0%	3.8% - 96.7%	
<10% pre-existing anxiety or depression	5	-	43.2%	0.1% - 99.8%	
Domains of outcome assessment					Supplementary Figure 44
Single domain	51	3% - 86%	41.4%	6.9% - 87.1%	
Multiple domains	71	0% - 93%	42.6%	6.3% - 89.2%	
Risk difference in studies with controls	26	-1% - 55% (RD)	13.9% (RD)	-16.2% - 43.9% (RD)	Supplementary Figure 45
Relative risk in community-based samples with controls	13	1.0 – 51.4 (RR)	2.7 (RR)	0.2 – 39.4 (RR)	Supplementary Figure 46
Risk difference in community-based samples with controls	14	-1% – 35% (RD)	10.1% (RD)	-12.7% - 32.8% (RD)	Supplementary Figure 47
Relative risk in community-based samples with controls with low risk of bias	4	1.30 – 1.63 (RR)	1.33 (RR)	1.30 – 1.36 (RR)	Figure 4
Risk difference in community-based samples with controls with low risk of bias	4	1% - 9% (RD)	4.8% (RD)	-13.2% - 22.7% (RD)	Supplementary Figure 48
Study design:					Supplementary Figure 50
Cohort	102	0% - 93%	41.3%	6.0% - 88.6%	
Cross-sectional	20	10% - 82%	45.9%	11.2% - 85.1%	

3. Supplementary methods

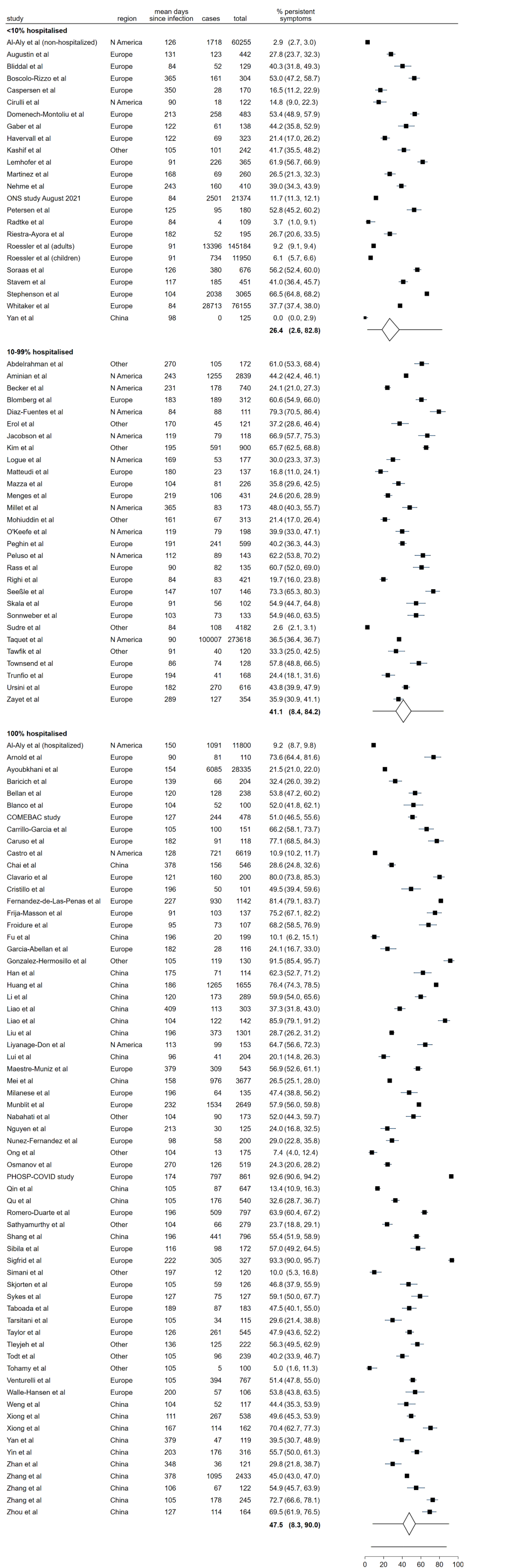
An average WHO Clinical Progression Scale (WHO CPS) value was assigned to each study based on the reported proportion of recruited participants in the acute phase described as being asymptomatic, symptomatic but independent, symptomatic seeking assistance, hospitalised, receiving different types of supplemental oxygen, or admitted to intensive care units. The average WHO CPS score was allocated to each study was based on the WHO Clinical Progression Scale for individuals⁽¹³¹⁾ and published estimates of severity⁽¹³²⁾. Where exact WHO CPS categories were not reported, an average was taken over potential categories consistent with the information reported. If type of hospital treatment was not reported, we assumed hospitalisation implied half the patients received low flow oxygen and half received high flow oxygen or non-invasive ventilation. Unless otherwise indicated, we assumed patients admitted to ICU were allocated half to low flow oxygen or non-invasive ventilation and half to mechanical ventilation. If ICU use was not reported in community-based settings and occupational cohorts, we assumed this was half of the proportion of participants who were hospitalised.

4. Supplementary figures

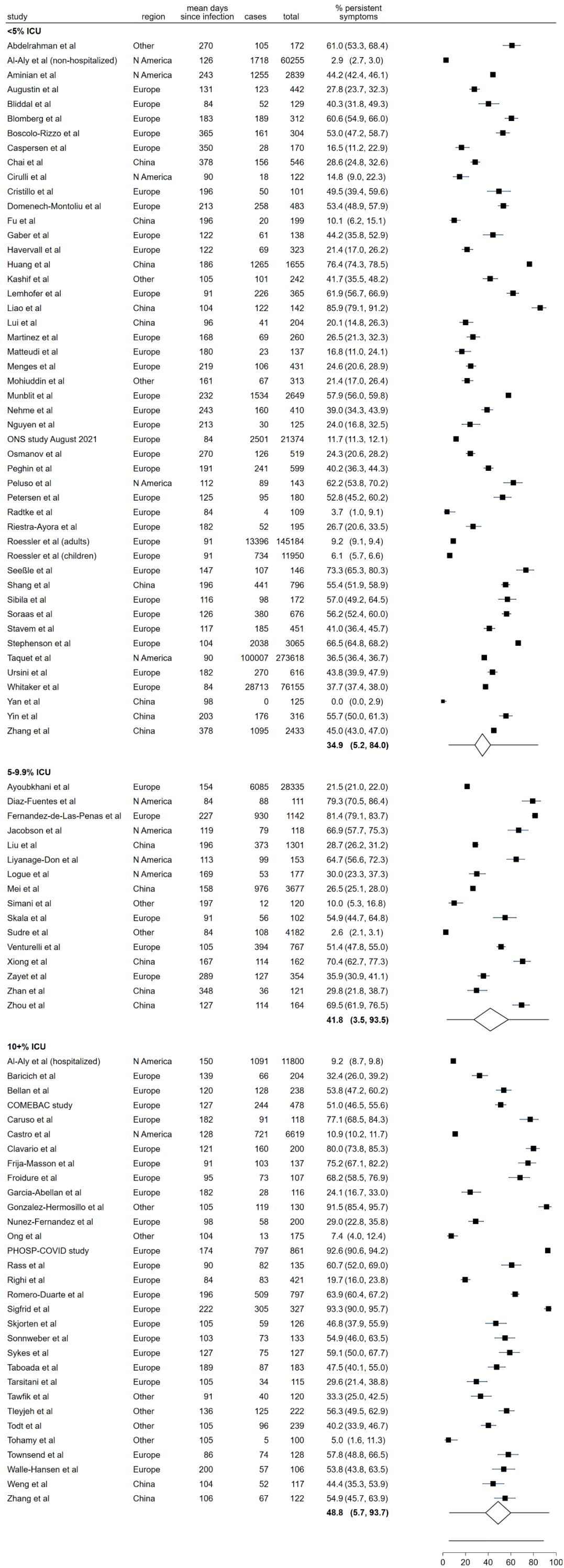
Supplementary Figure 1: Forest plot of prevalence of Long Covid in the included studies by length of follow-up with 95% prediction intervals



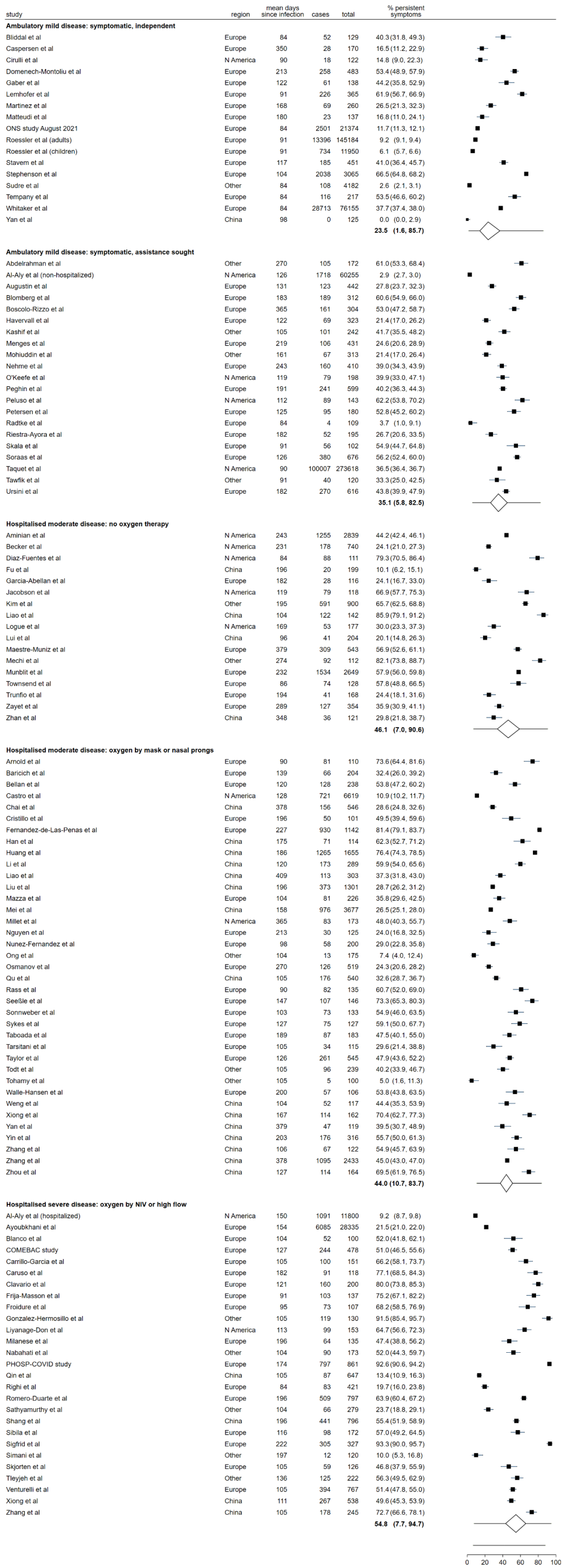
Supplementary Figure 2: Forest plot of prevalence of Long Covid in the included studies by percentage hospitalised with 95% prediction intervals



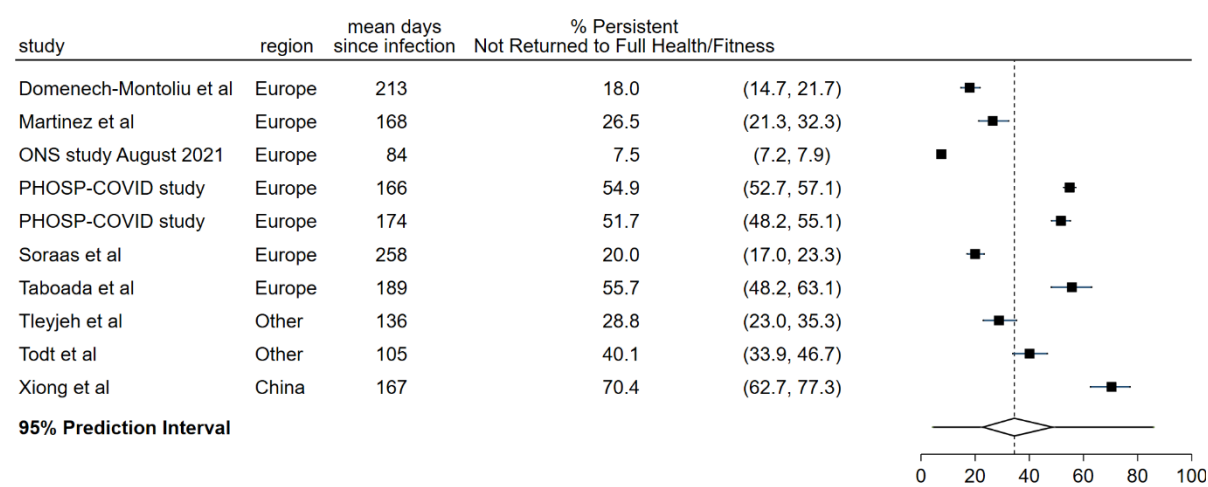
Supplementary Figure 3: Forest plot of prevalence of Long Covid in the included studies by percentage admitted to intensive care with 95% prediction intervals



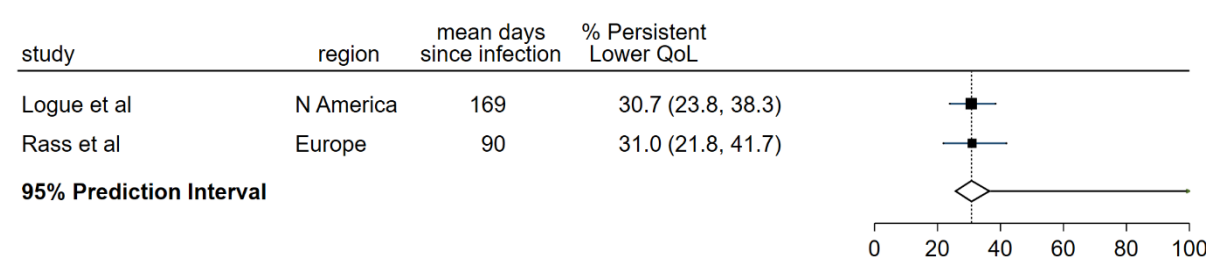
Supplementary Figure 4: Forest plot of prevalence of Long Covid in the included studies by severity of acute infection using the WHO Clinical Progression Scale with 95% prediction intervals



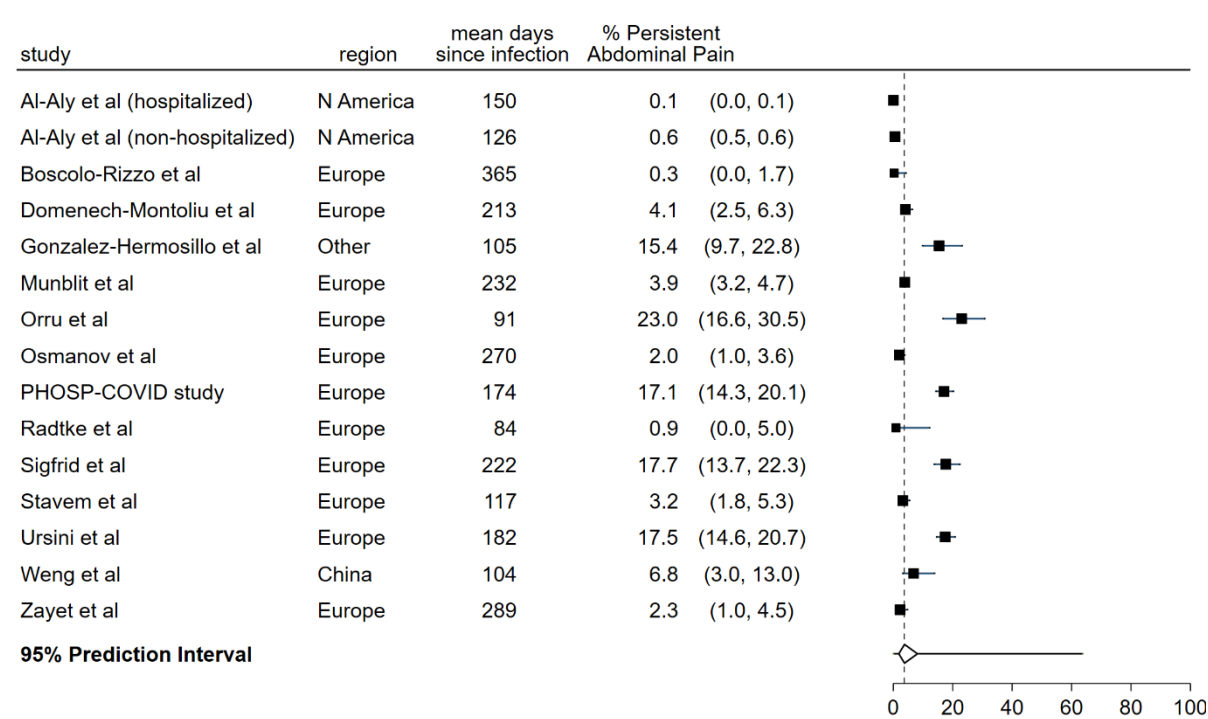
Supplementary Figure 5: Forest plot of prevalence of Long Covid in studies that reported outcome of not returned to full health/fitness with 95% prediction intervals



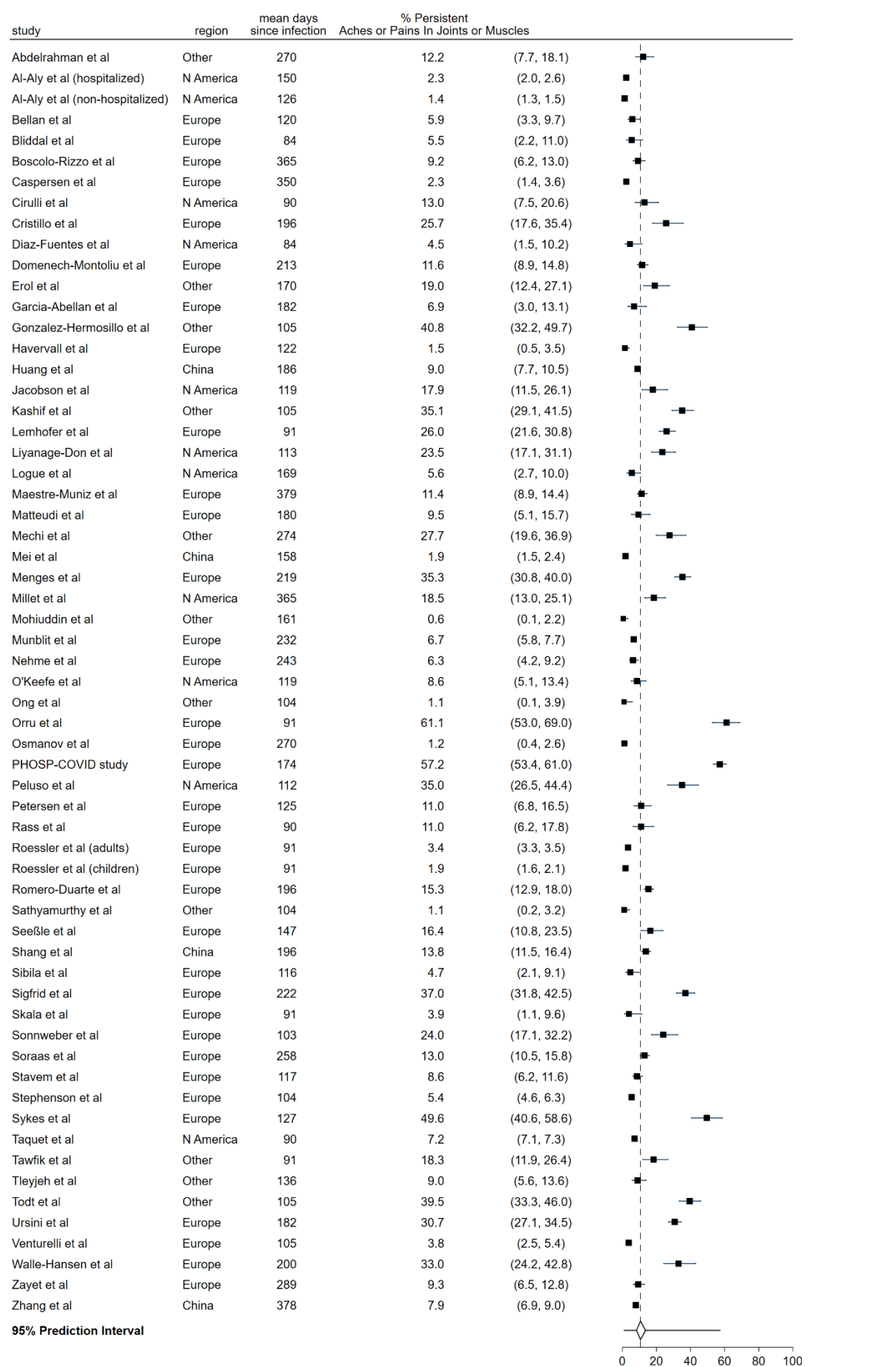
Supplementary Figure 6: Forest plot of prevalence of Long Covid in studies that reported lower quality of life with 95% prediction intervals



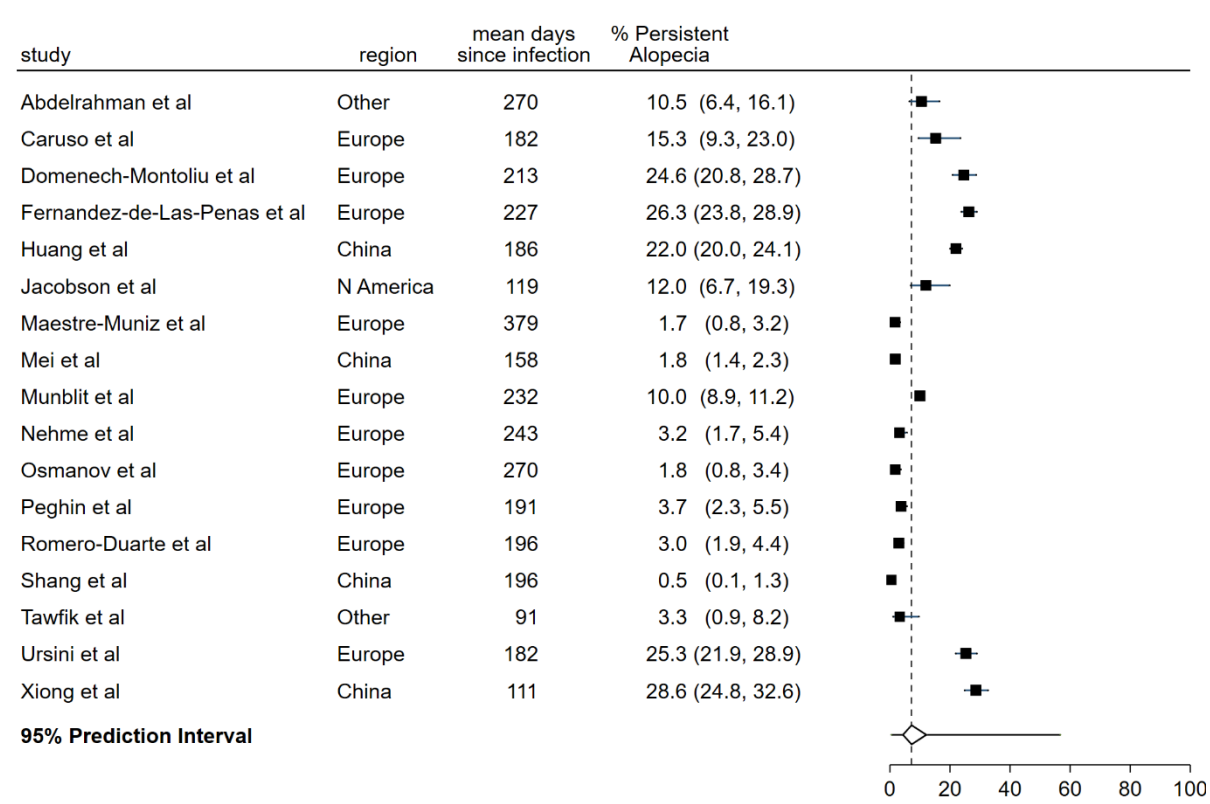
Supplementary Figure 7: Forest plot of prevalence of Long Covid in studies that reported abdominal pain as a persistent symptom with 95% prediction intervals



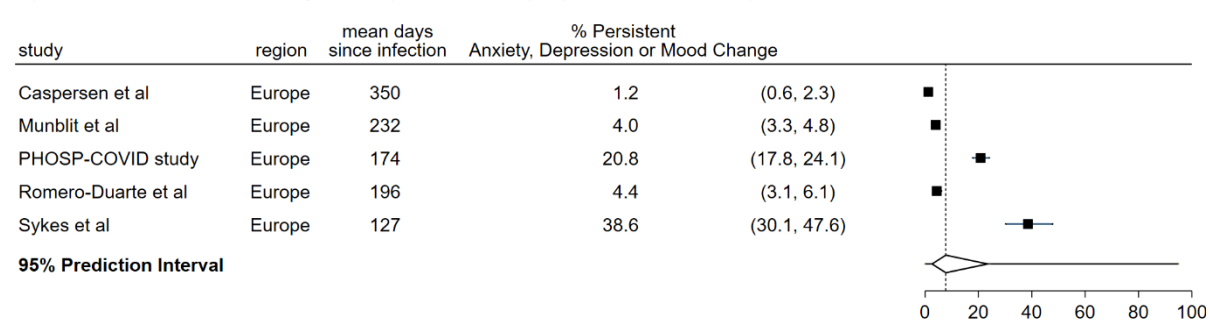
Supplementary Figure 8: Forest plot of prevalence of Long Covid in studies that reported muscle or joint aches/pains as a persistent symptom with 95% prediction intervals



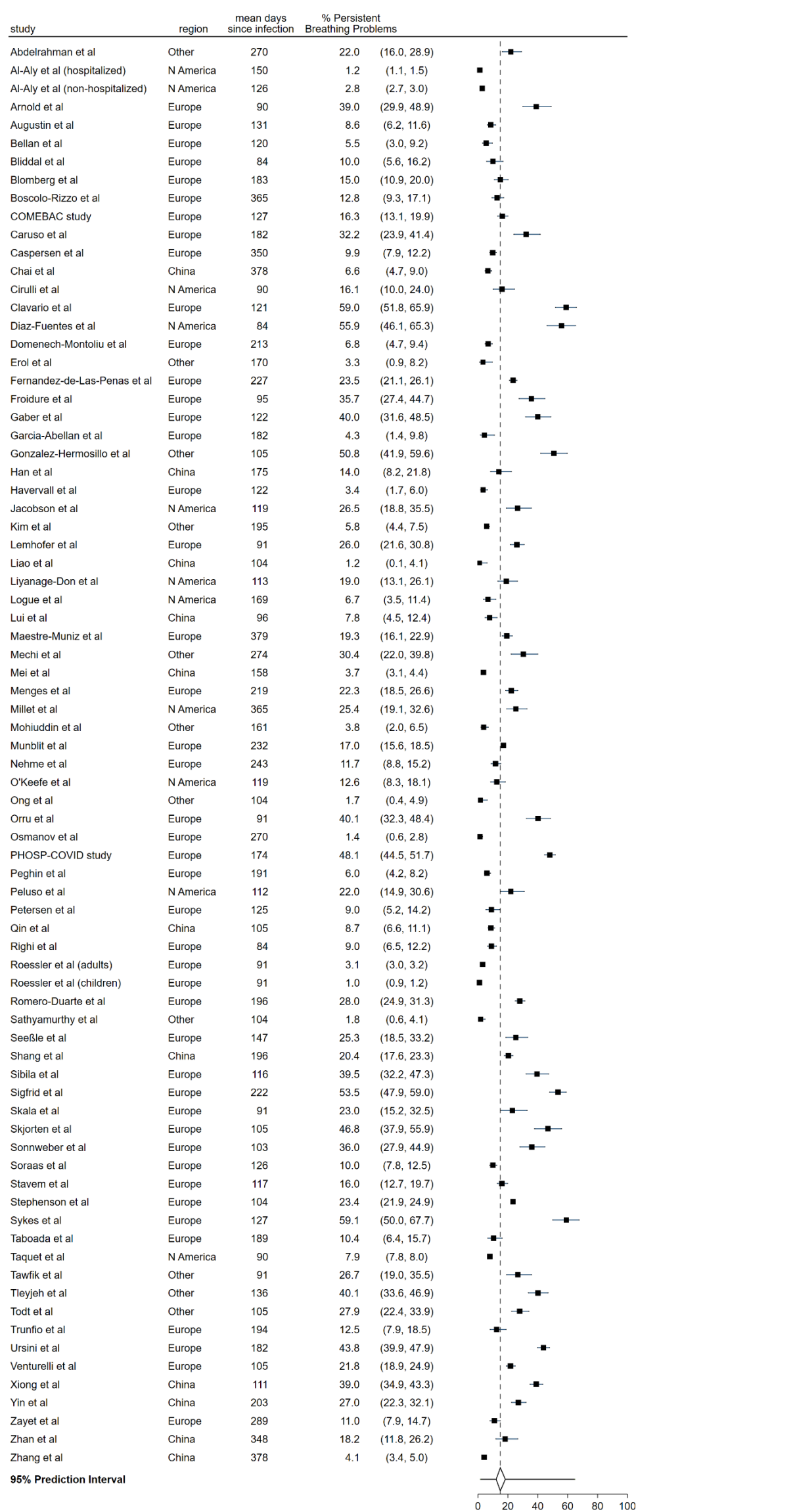
Supplementary Figure 9: Forest plot of prevalence of Long Covid in studies that reported alopecia as a persistent symptom with 95% prediction intervals



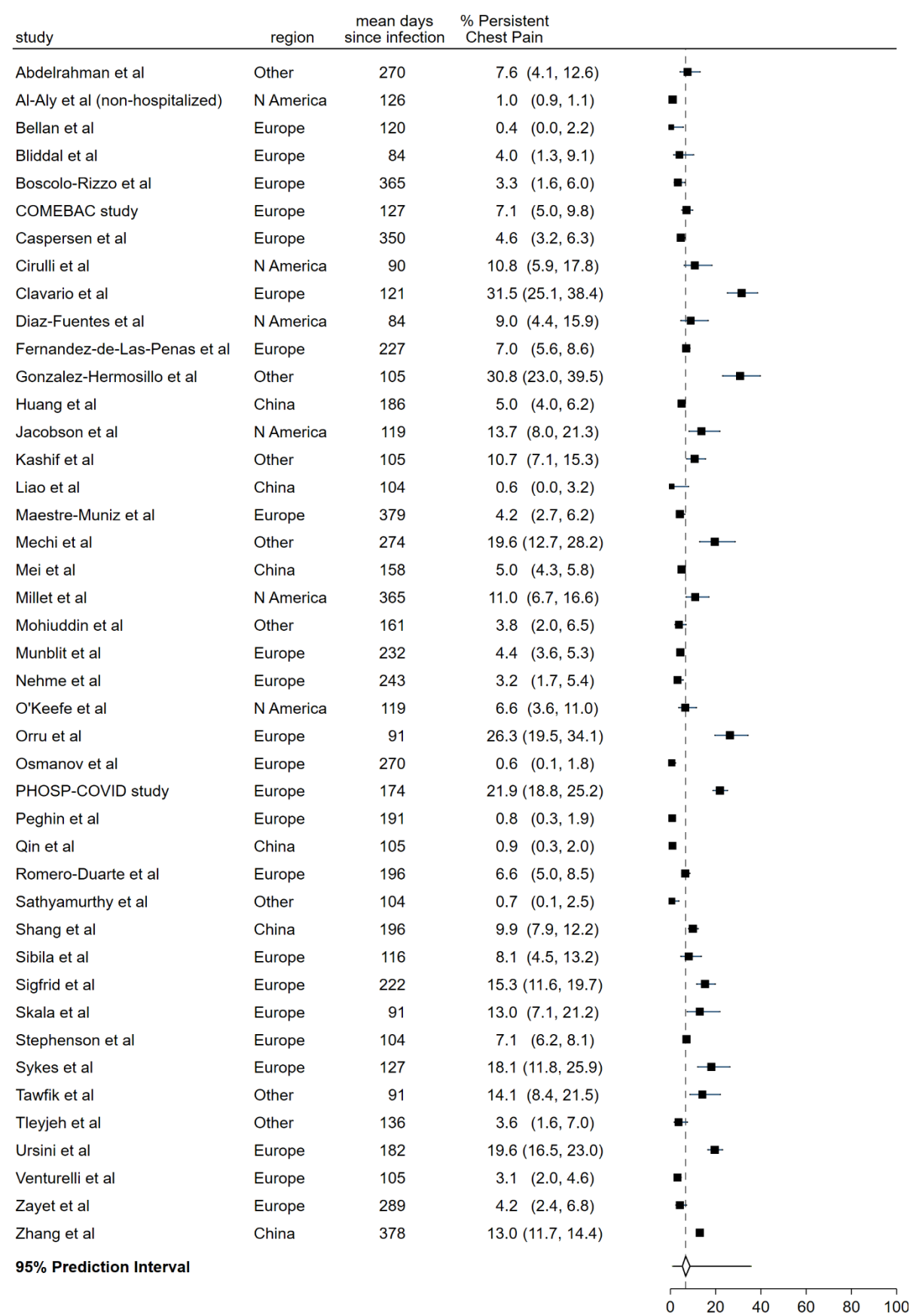
Supplementary Figure 10: Forest plot of prevalence of Long Covid in studies that reported anxiety, depression or mood change as a persistent symptom with 95% prediction intervals



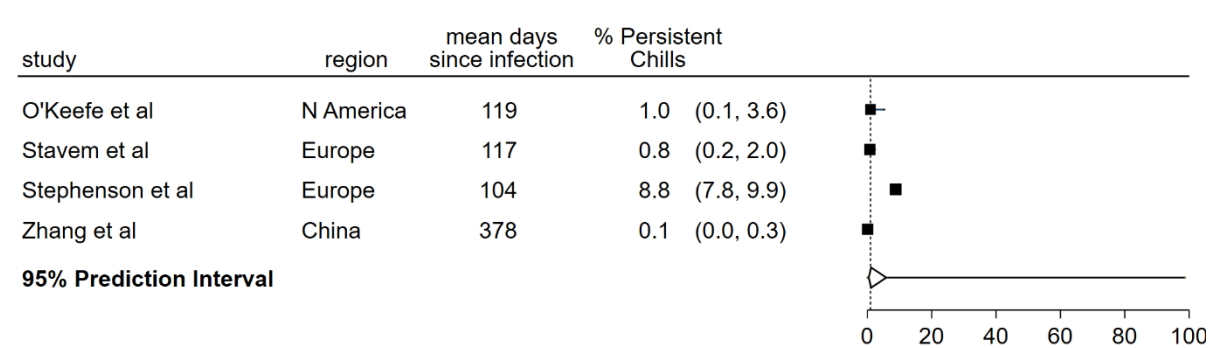
Supplementary Figure 11: Forest plot of prevalence of Long Covid in studies that reported breathing problems as a persistent symptom with 95% prediction intervals



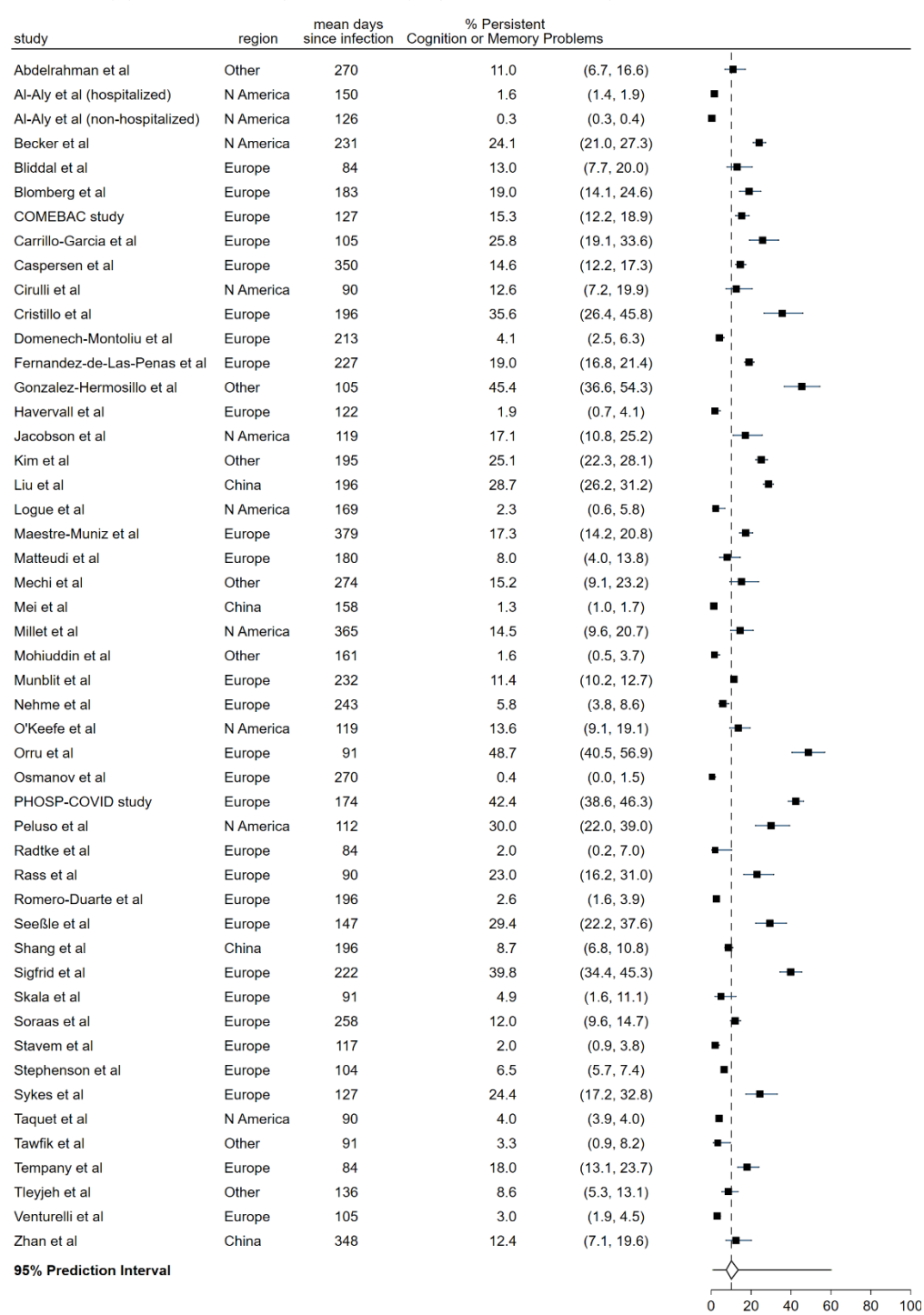
Supplementary Figure 12: Forest plot of prevalence of Long Covid in studies that reported chest pain as a persistent symptom with 95% prediction intervals



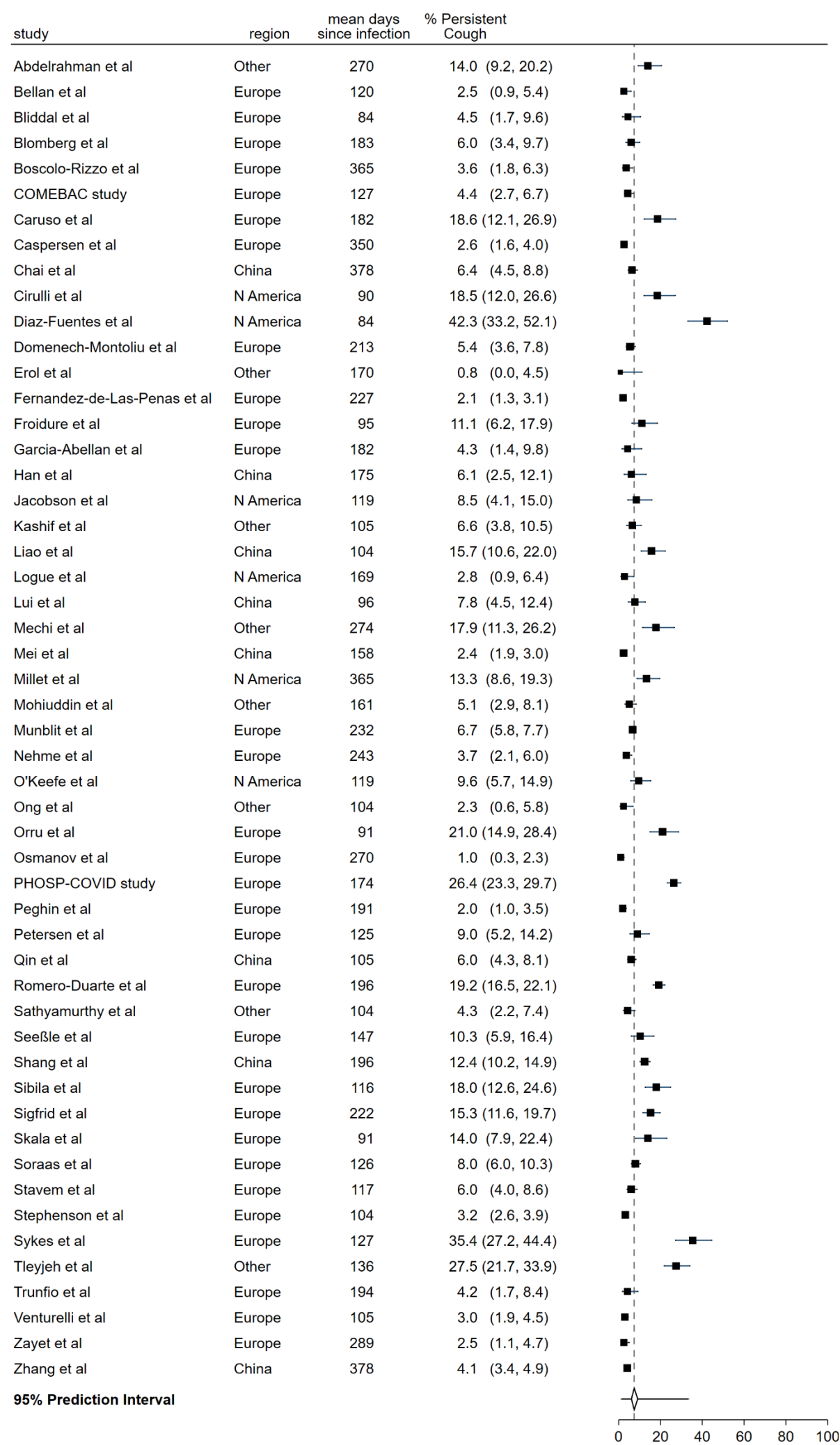
Supplementary Figure 13: Forest plot of prevalence of Long Covid in studies that reported chills as a persistent symptom with 95% prediction intervals



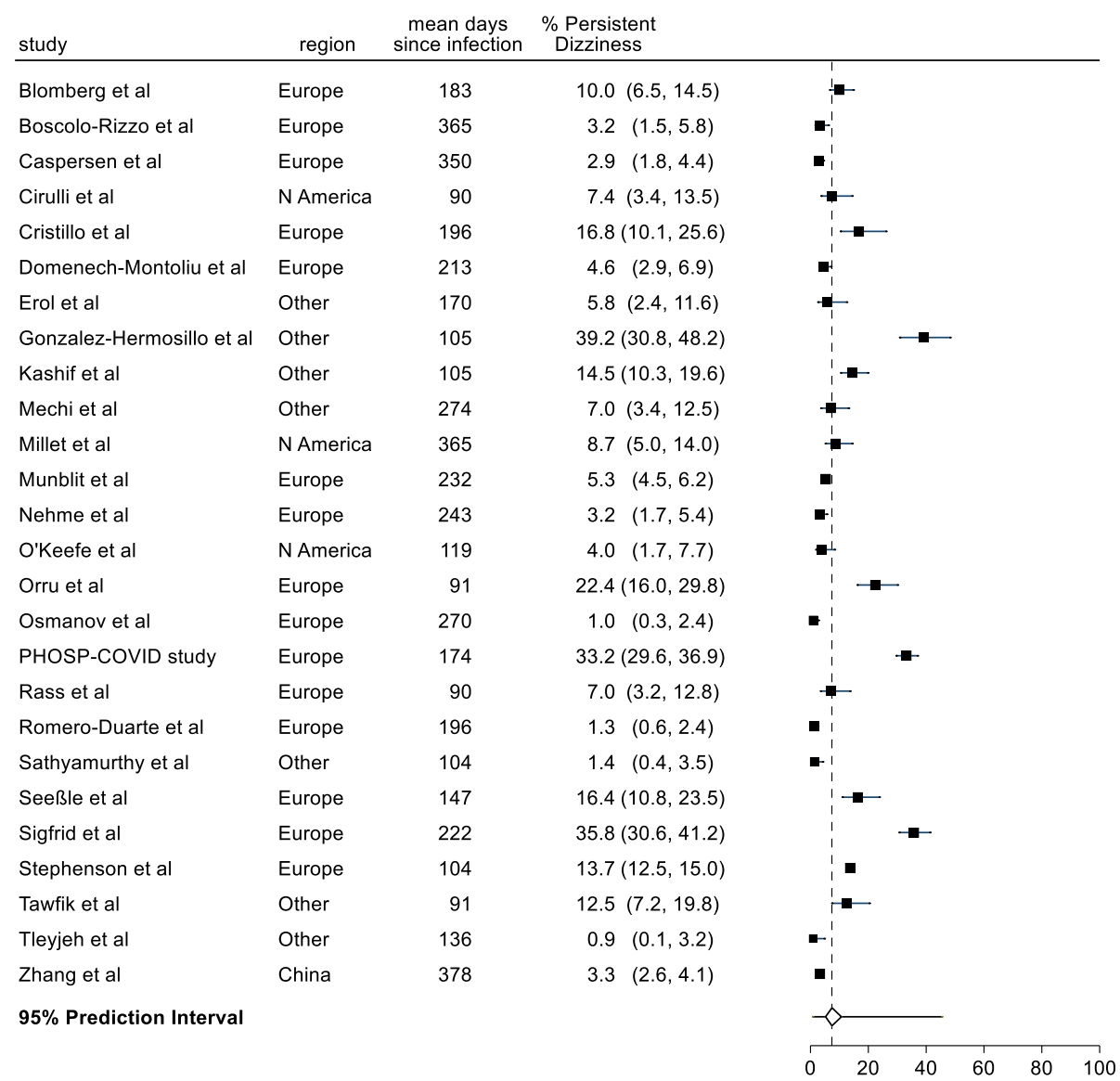
Supplementary Figure 14: Forest plot of prevalence of Long Covid in studies that reported cognition or memory problems as a persistent symptom with 95% prediction intervals



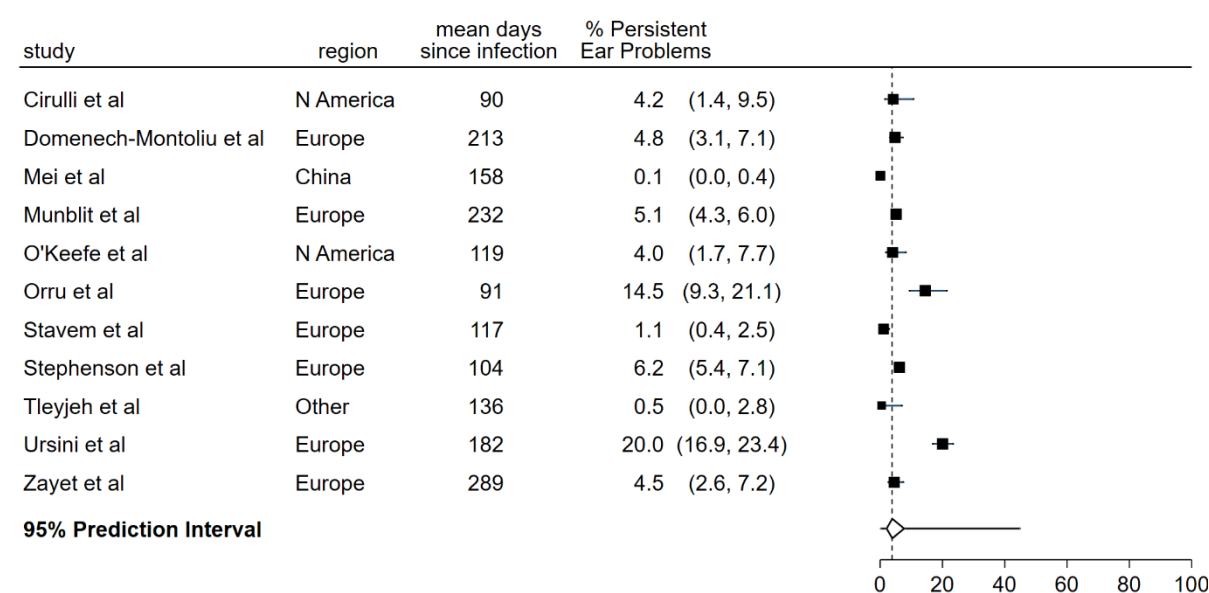
Supplementary Figure 15: Forest plot of prevalence of Long Covid in studies that reported cough as a persistent symptom with 95% prediction intervals



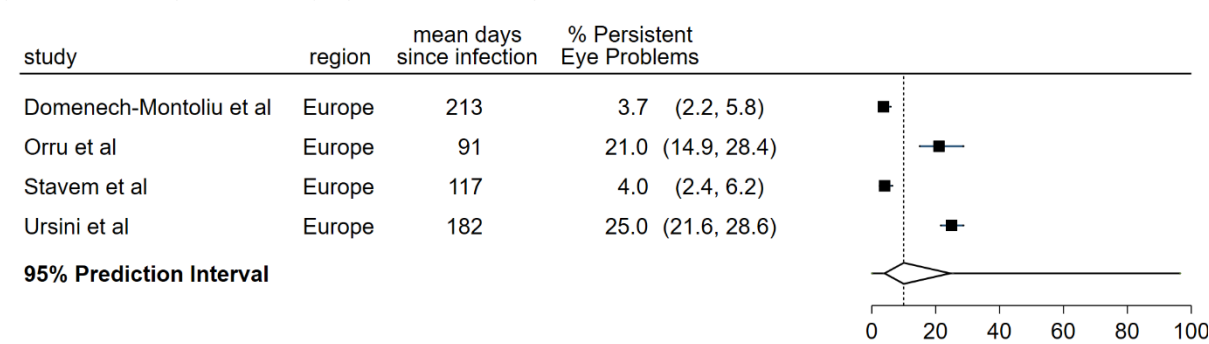
Supplementary Figure 16: Forest plot of prevalence of Long Covid in studies that reported dizziness as a persistent symptom with 95% prediction intervals



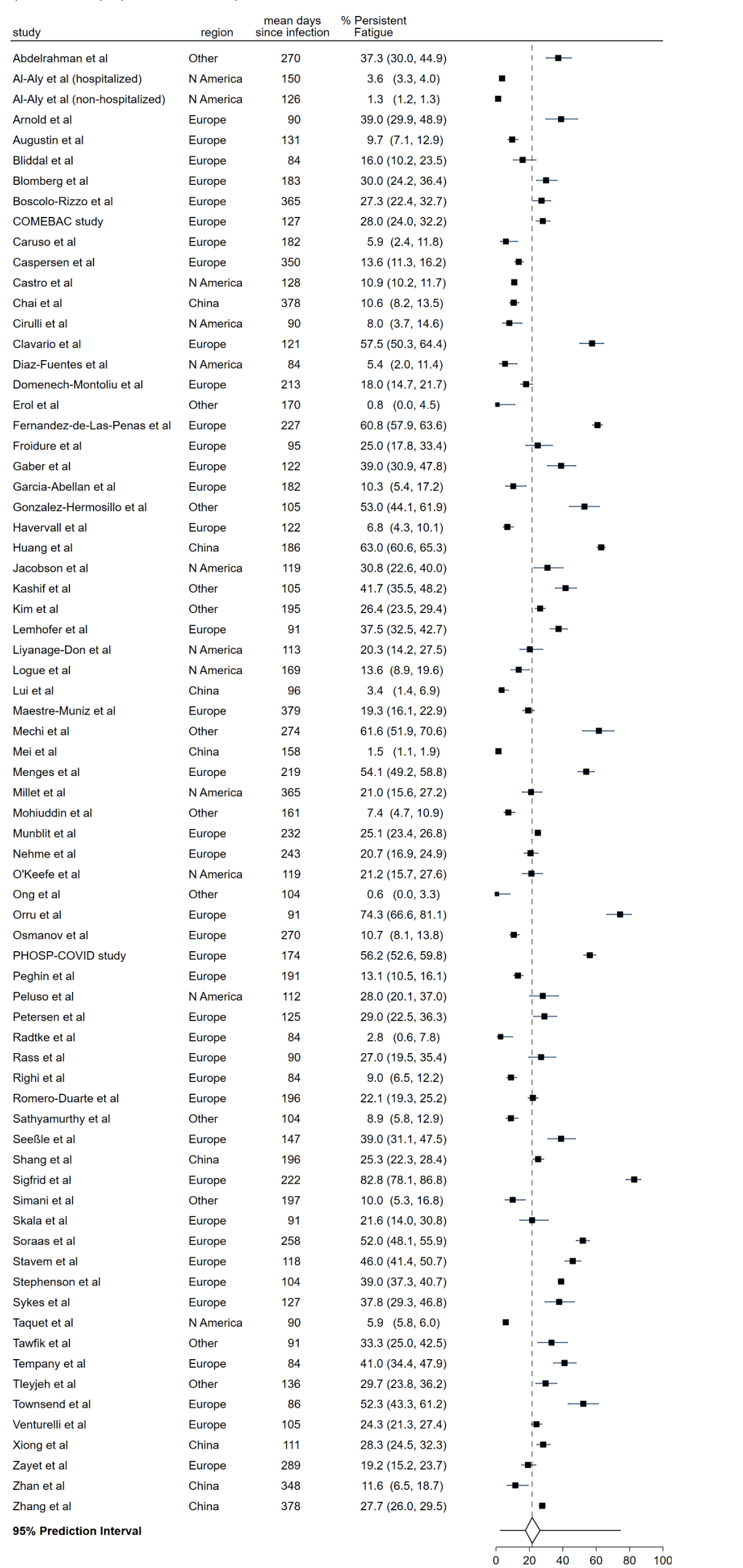
Supplementary Figure 17: Forest plot of prevalence of Long Covid in studies that reported ear problems as a persistent symptom with 95% prediction intervals



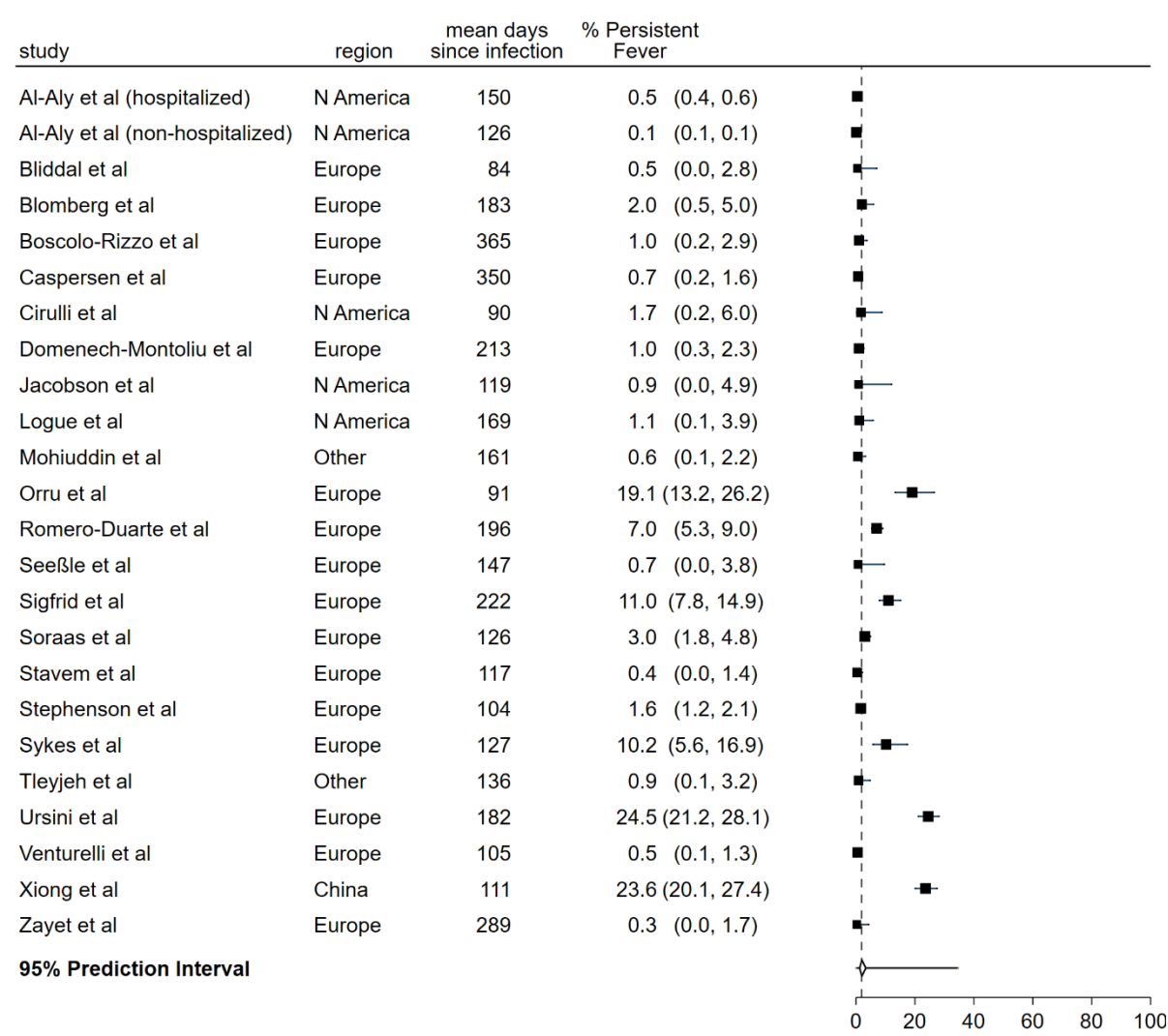
Supplementary Figure 18: Forest plot of prevalence of Long Covid in studies that reported eye problems as a persistent symptom with 95% prediction intervals



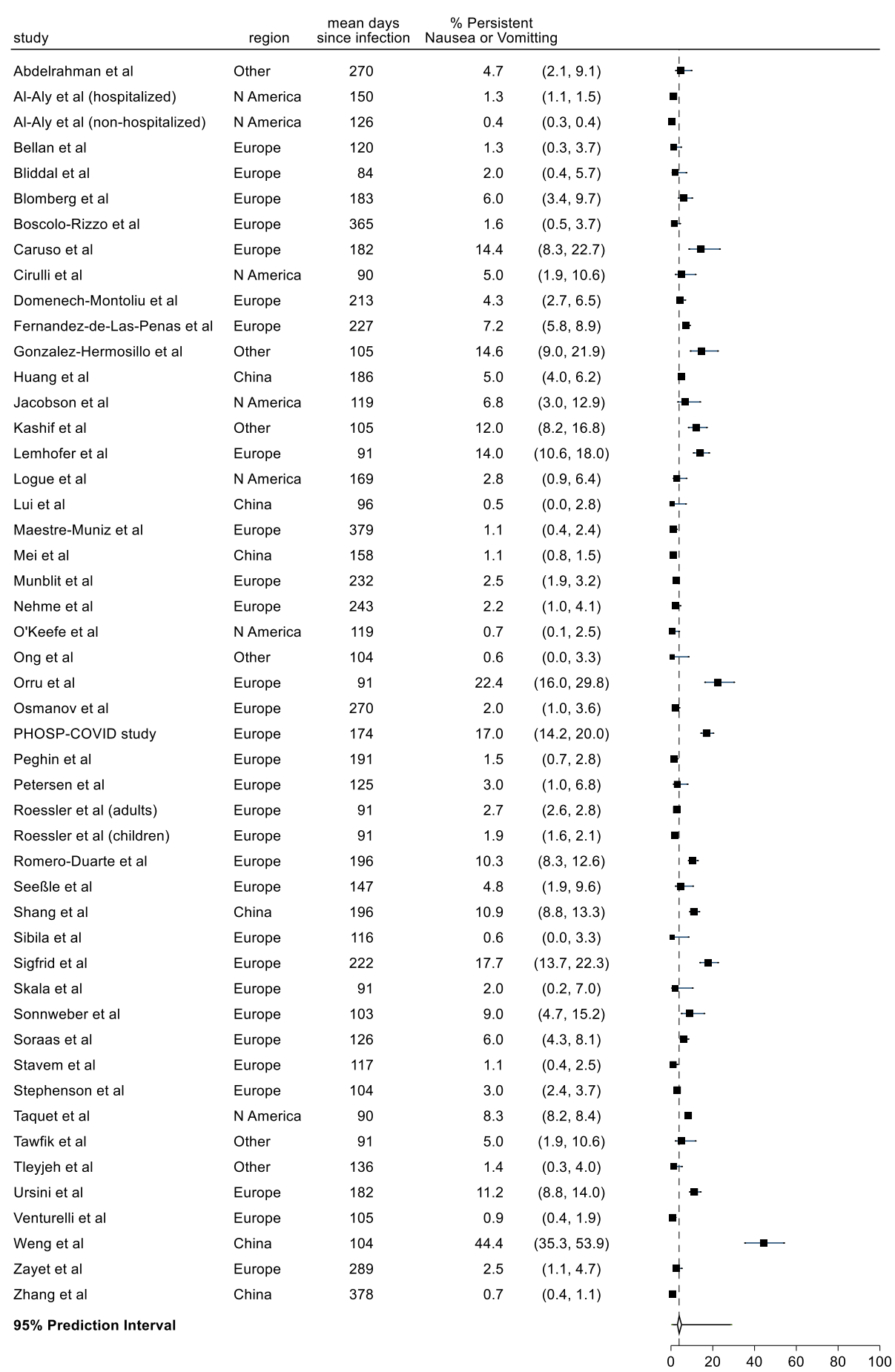
Supplementary Figure 19: Forest plot of prevalence of Long Covid in studies that reported fatigue as a persistent symptom with 95% prediction intervals



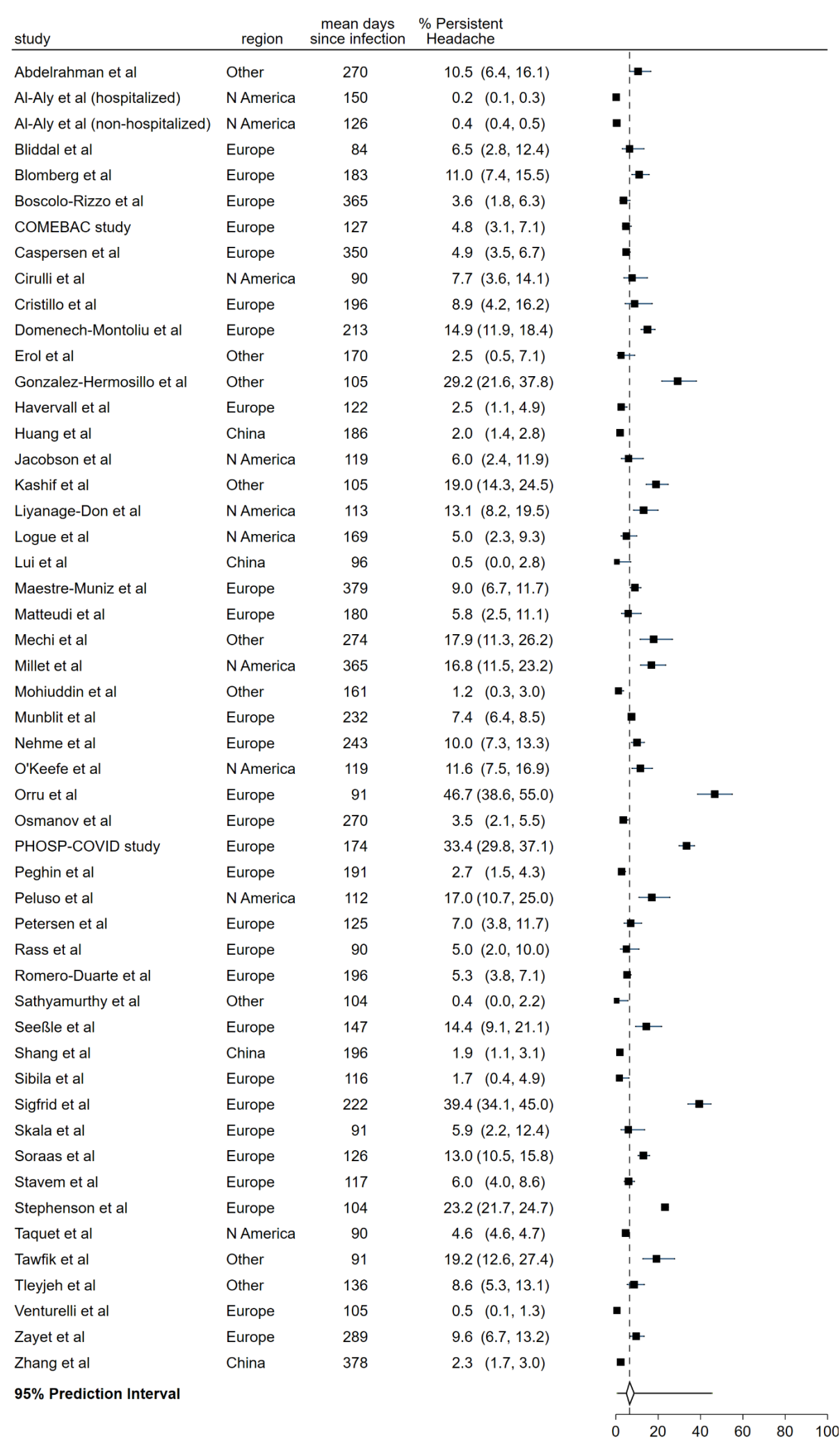
Supplementary Figure 20: Forest plot of prevalence of Long Covid in studies that reported fever as a persistent symptom with 95% prediction intervals



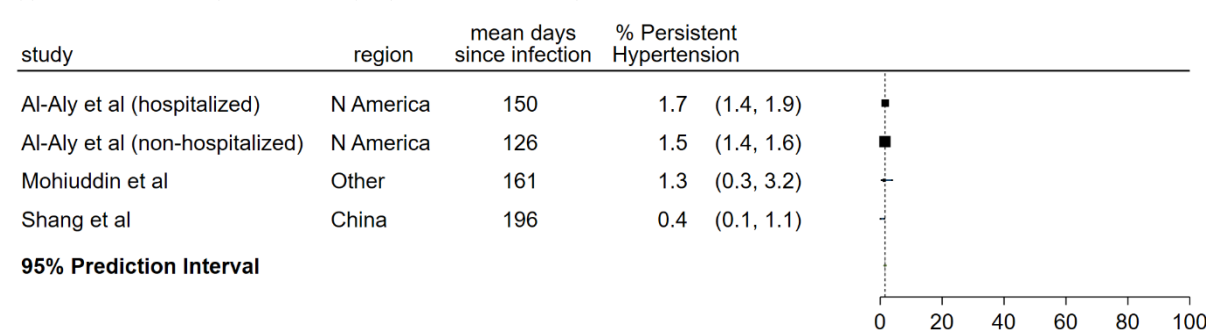
Supplementary Figure 21: Forest plot of prevalence of Long Covid in studies that reported nausea or vomiting as a persistent symptom with 95% prediction intervals



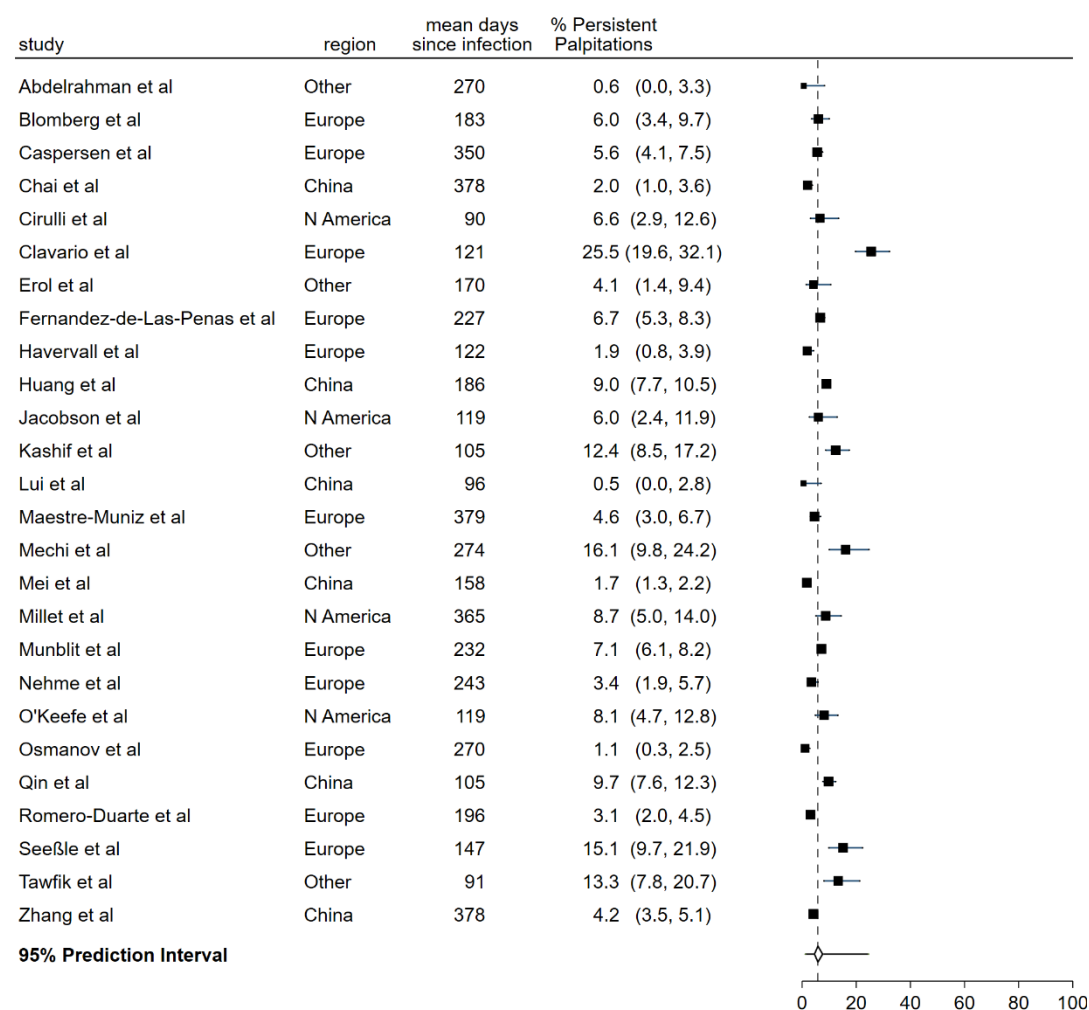
Supplementary Figure 22: Forest plot of prevalence of Long Covid in studies that reported headache as a persistent symptom with 95% prediction intervals



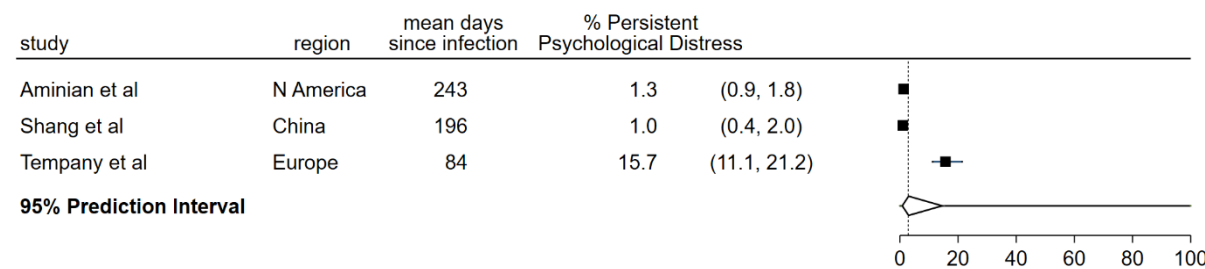
Supplementary Figure 23: Forest plot of prevalence of Long Covid in studies that reported persistent hypertension as a persistent symptom with 95% prediction intervals



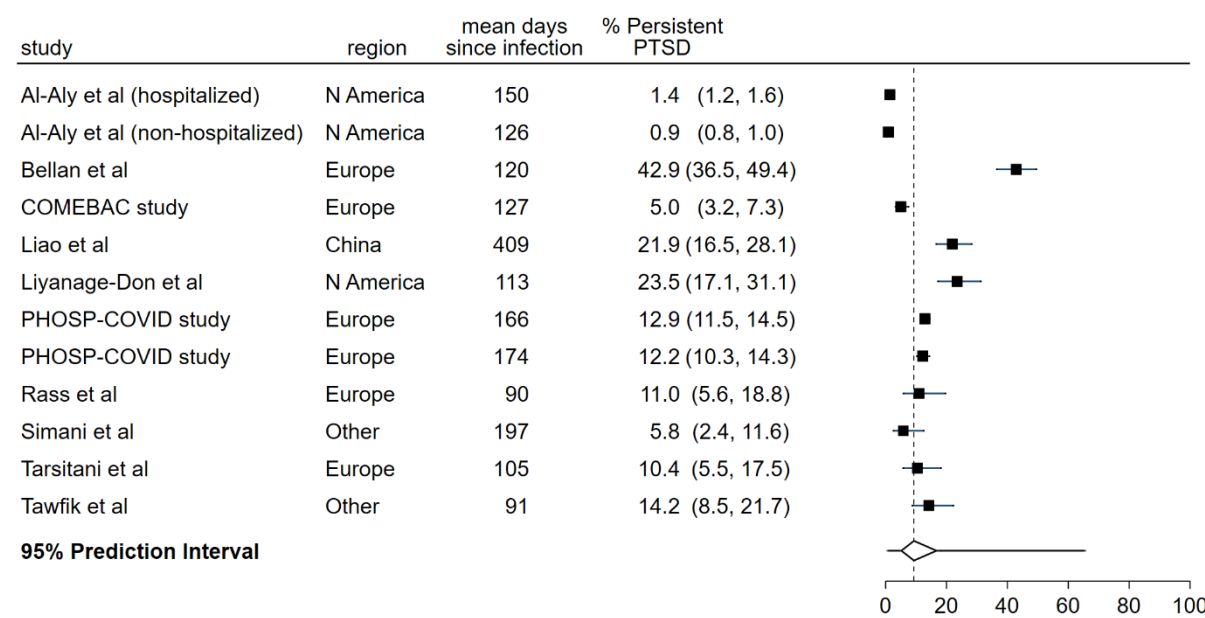
Supplementary Figure 24: Forest plot of prevalence of Long Covid in studies that reported palpitations as a persistent symptom with 95% prediction intervals



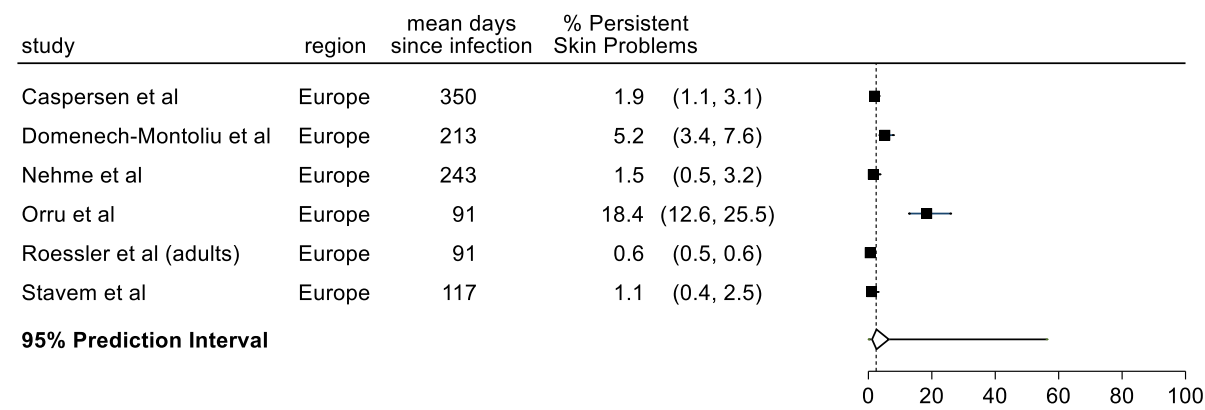
Supplementary Figure 25: Forest plot of prevalence of Long Covid in studies that reported psychological distress as a persistent symptom with 95% prediction intervals



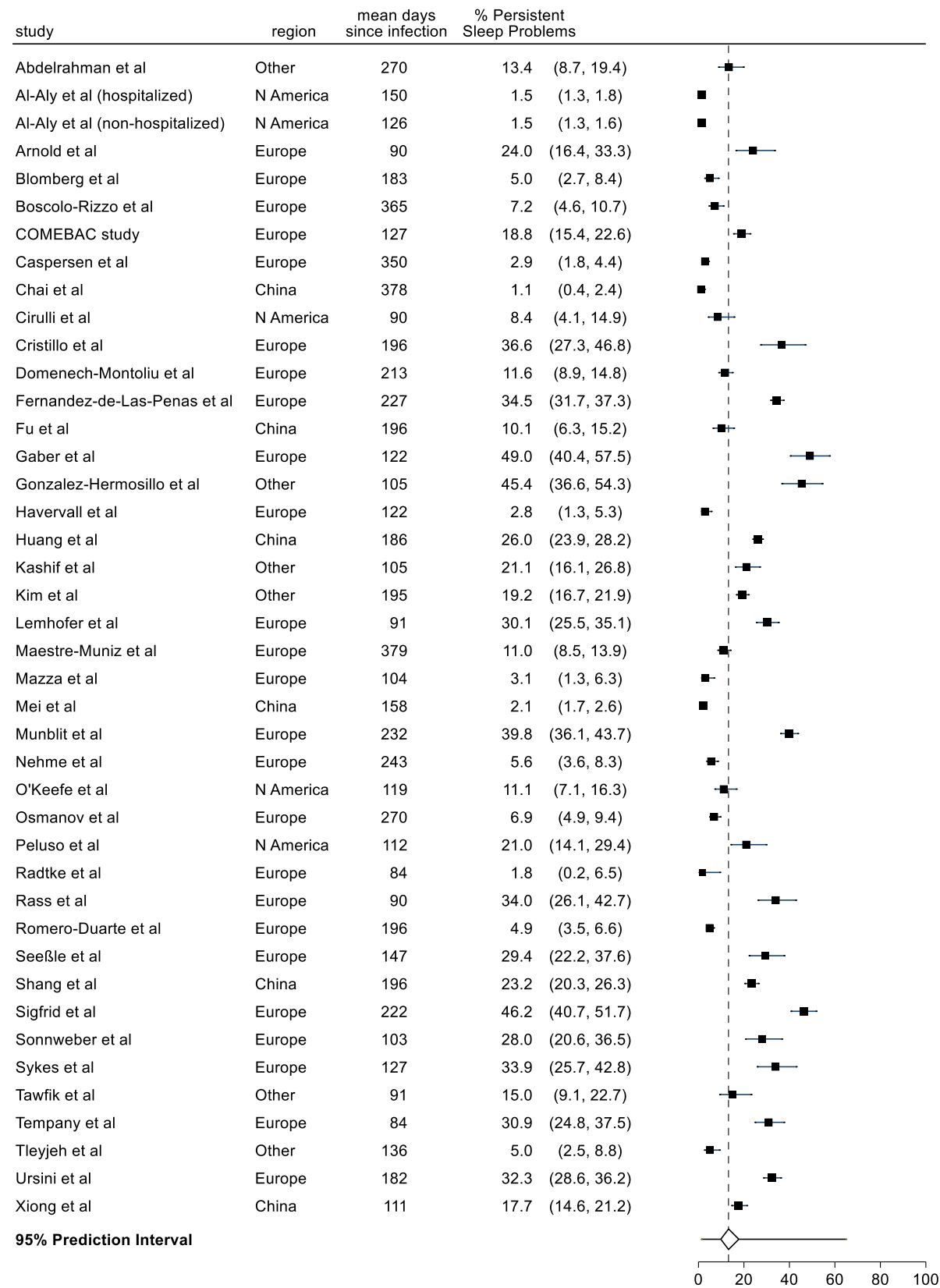
Supplementary Figure 26: Forest plot of prevalence of Long Covid in studies that reported PTSD as a persistent symptom with 95% prediction intervals



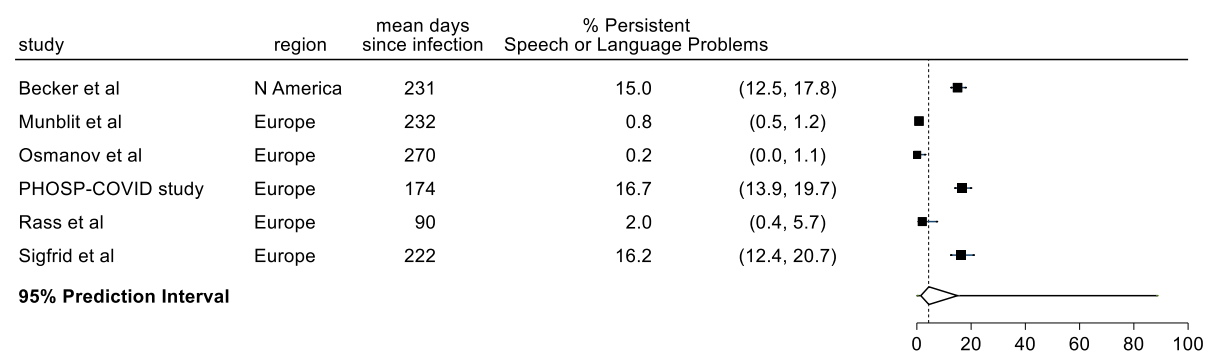
Supplementary Figure 27: Forest plot of prevalence of Long Covid in studies that reported skin problems as a persistent symptom with 95% prediction intervals



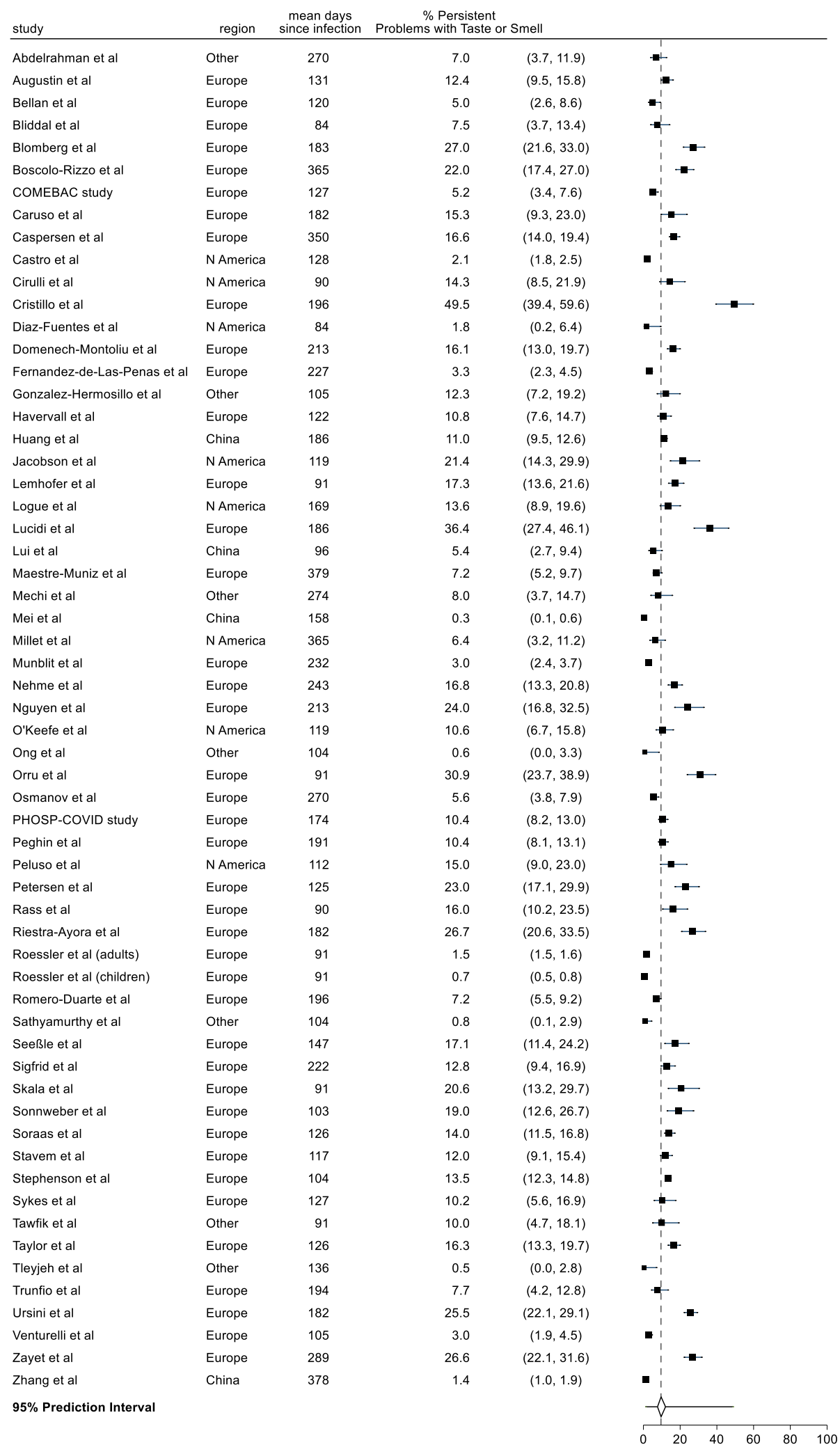
Supplementary Figure 28: Forest plot of prevalence of Long Covid in studies that reported sleep problems as a persistent symptom with 95% prediction intervals



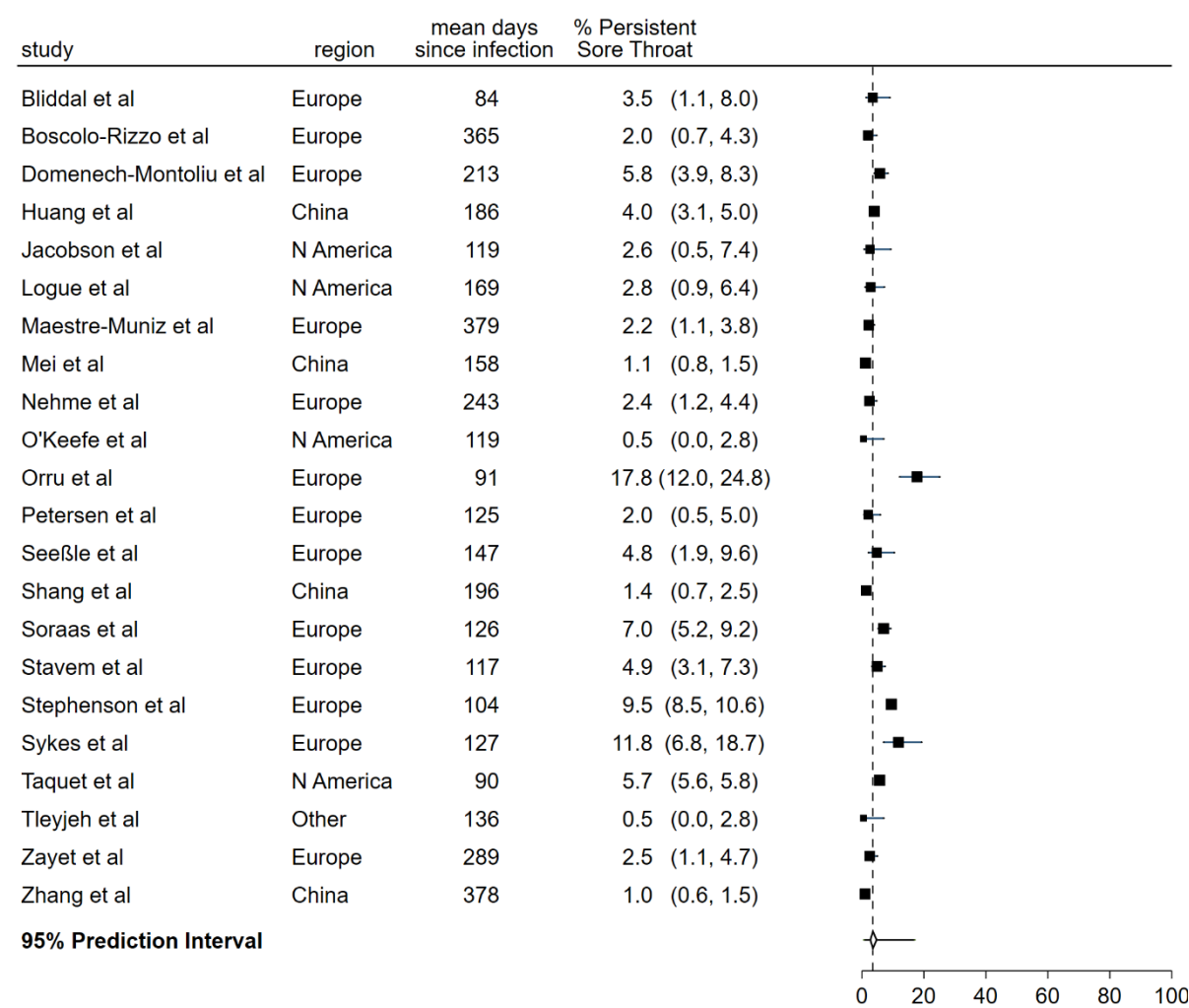
Supplementary Figure 29: Forest plot of prevalence of Long Covid in studies that reported speech or language problems as a persistent symptom with 95% prediction intervals



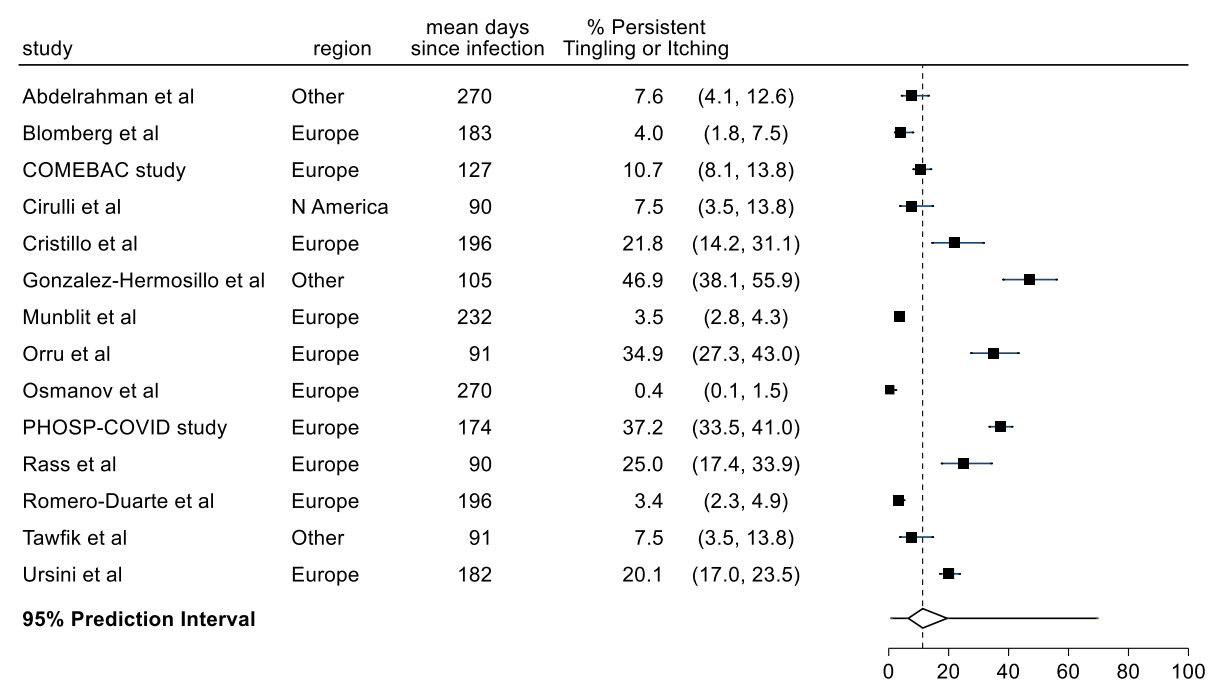
Supplementary Figure 30: Forest plot of prevalence of Long Covid in studies that reported problems with taste or smell as a persistent symptom with 95% prediction intervals



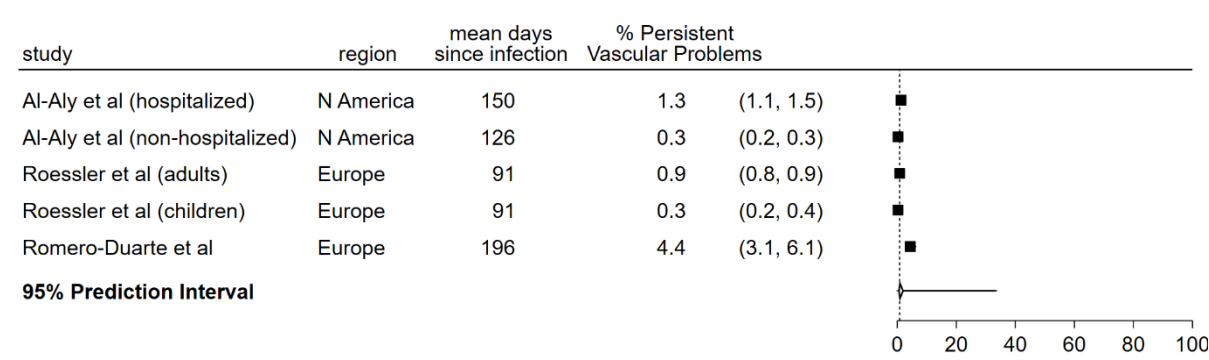
Supplementary Figure 31: Forest plot of prevalence of Long Covid in studies that reported sore throat as a persistent symptom with 95% prediction intervals



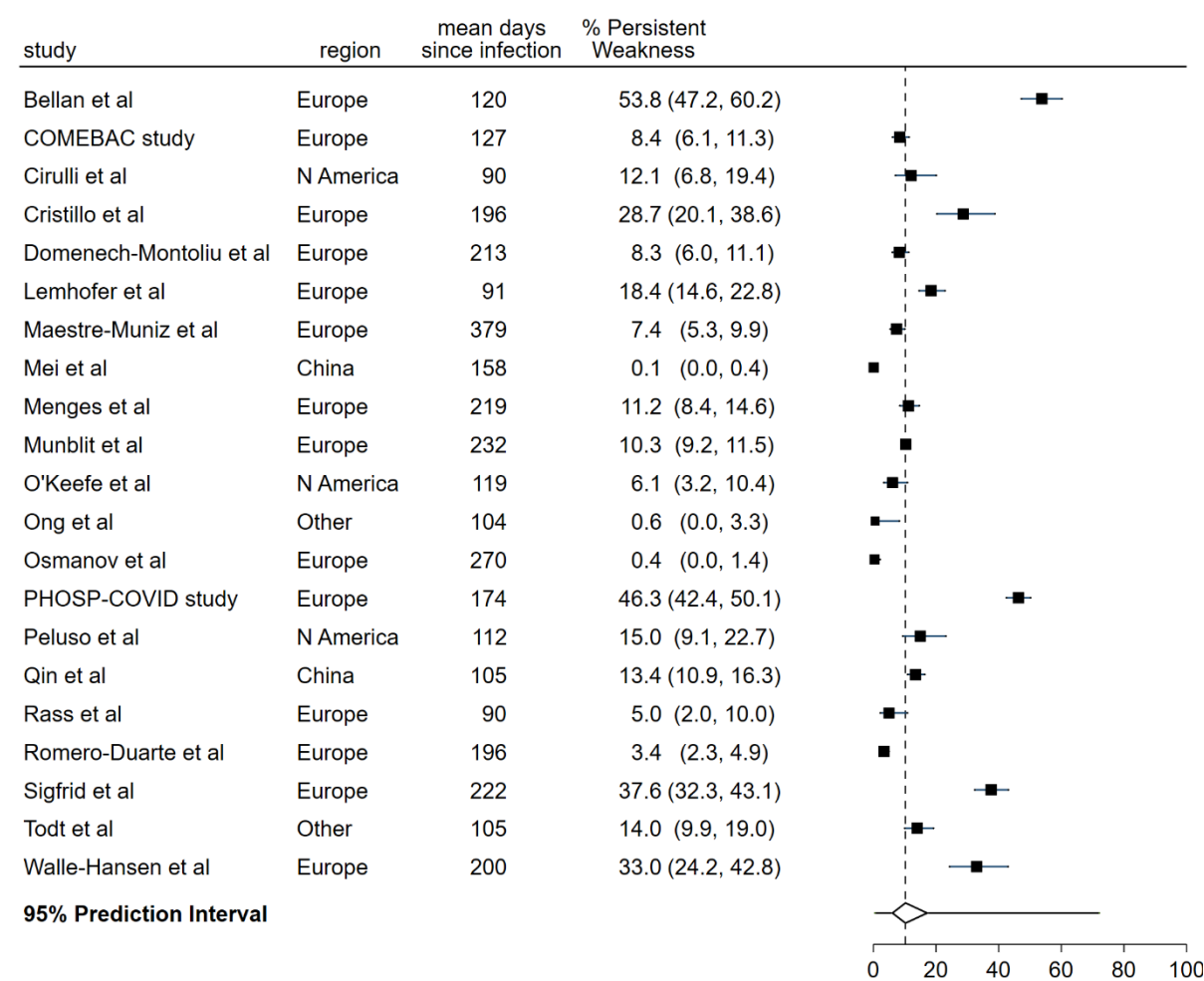
Supplementary Figure 32: Forest plot of prevalence of Long Covid in studies that reported tingling or itching as a persistent symptom with 95% prediction intervals



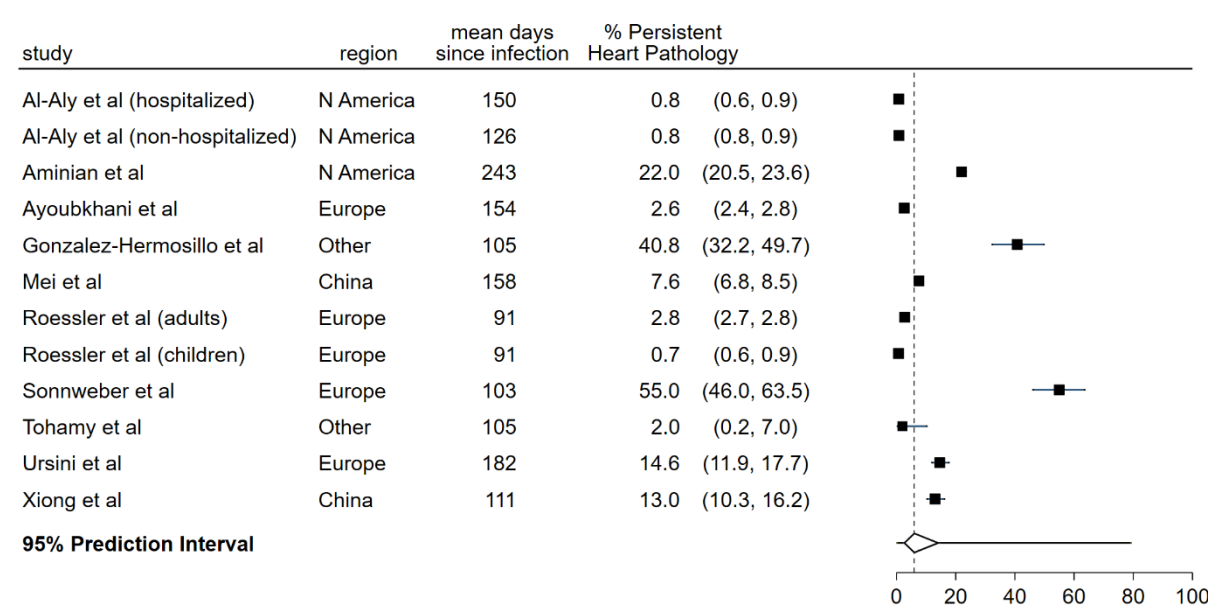
Supplementary Figure 33: Forest plot of prevalence of Long Covid in studies that reported vascular problems as a persistent symptom with 95% prediction intervals



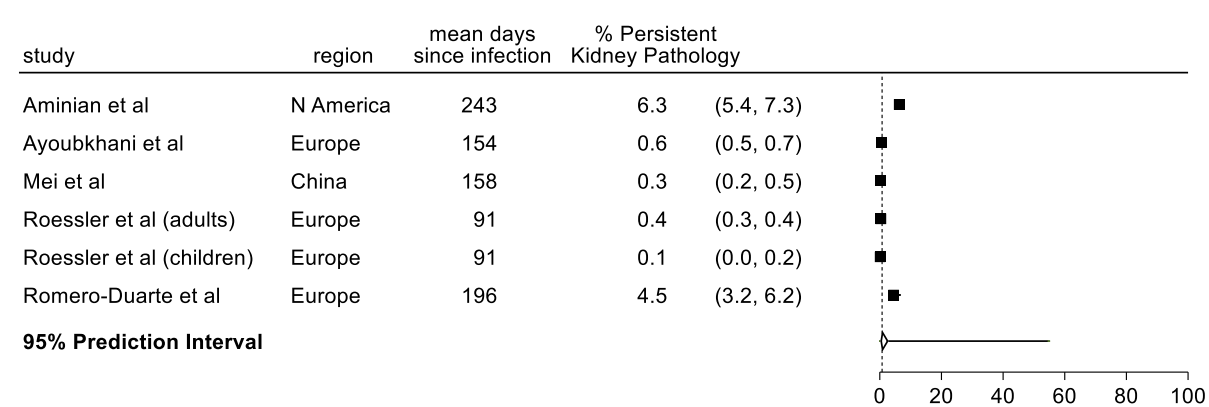
Supplementary Figure 34: Forest plot of prevalence of Long Covid in studies that reported weakness as a persistent symptom with 95% prediction intervals



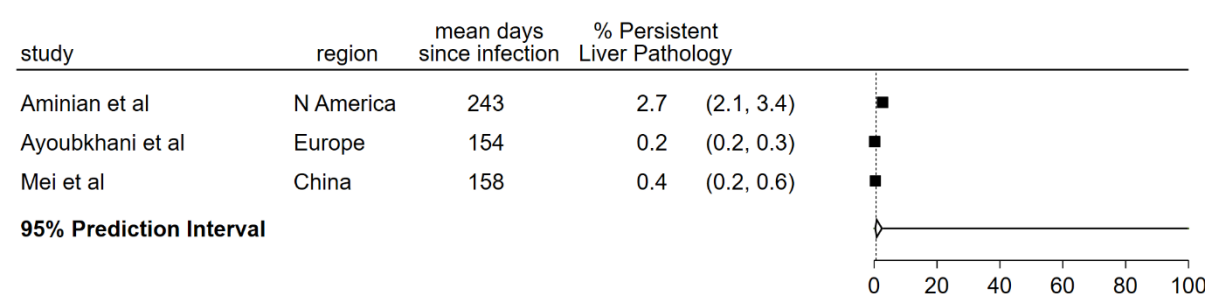
Supplementary Figure 35: Forest plot of prevalence of Long Covid in studies that reported on heart pathology with 95% prediction intervals



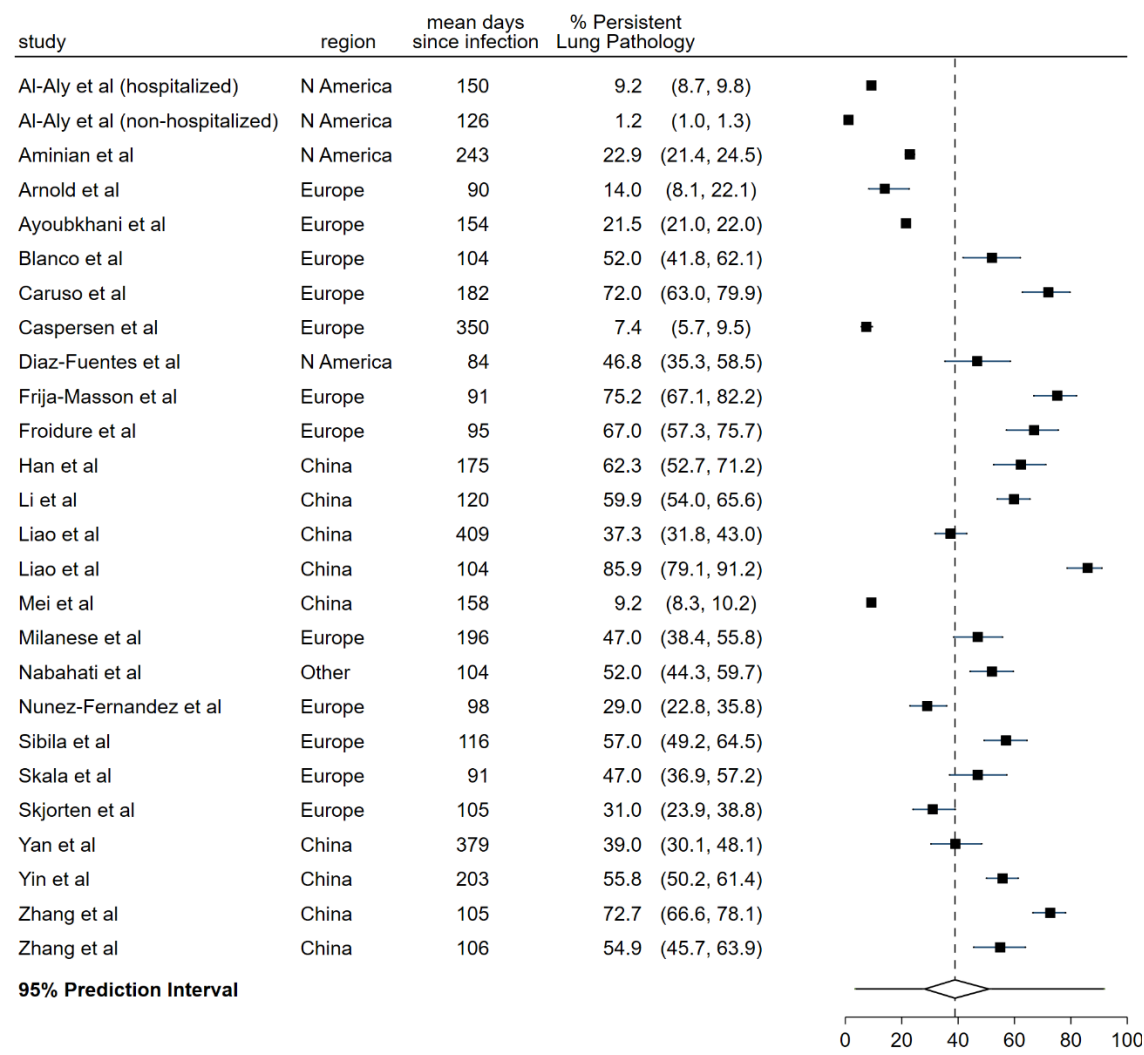
Supplementary Figure 36: Forest plot of prevalence of Long Covid in studies that reported on kidney pathology with 95% prediction intervals



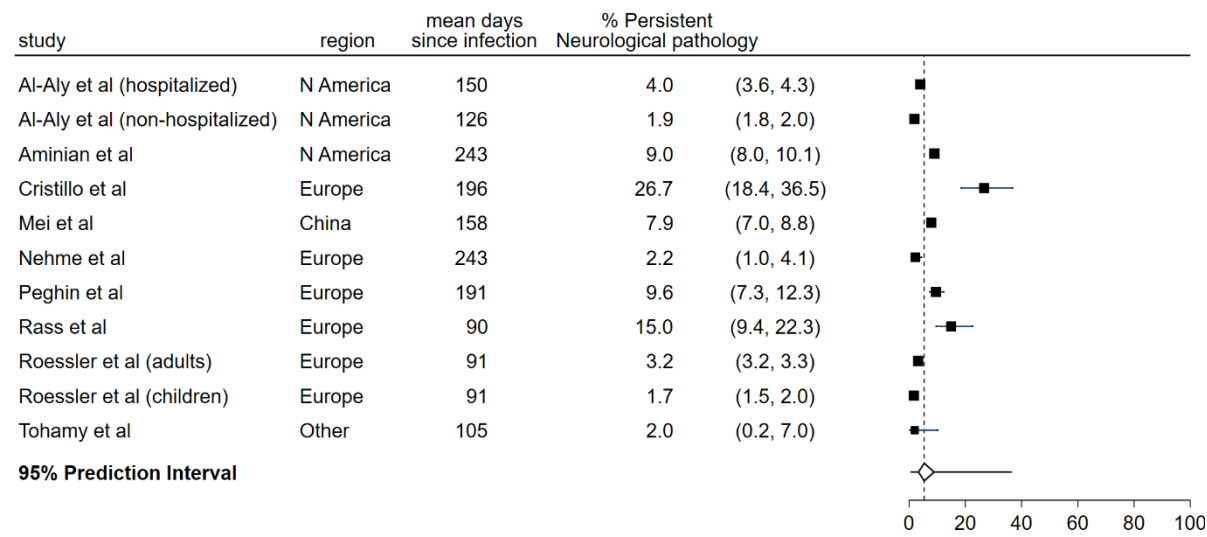
Supplementary Figure 37: Forest plot of prevalence of Long Covid in studies that reported on liver pathology with 95% prediction intervals



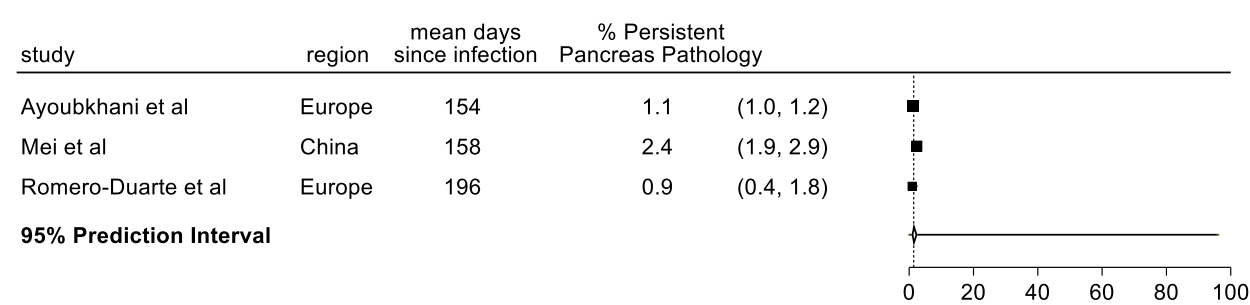
Supplementary Figure 38: Forest plot of prevalence of Long Covid in studies that reported on lung pathology with 95% prediction intervals



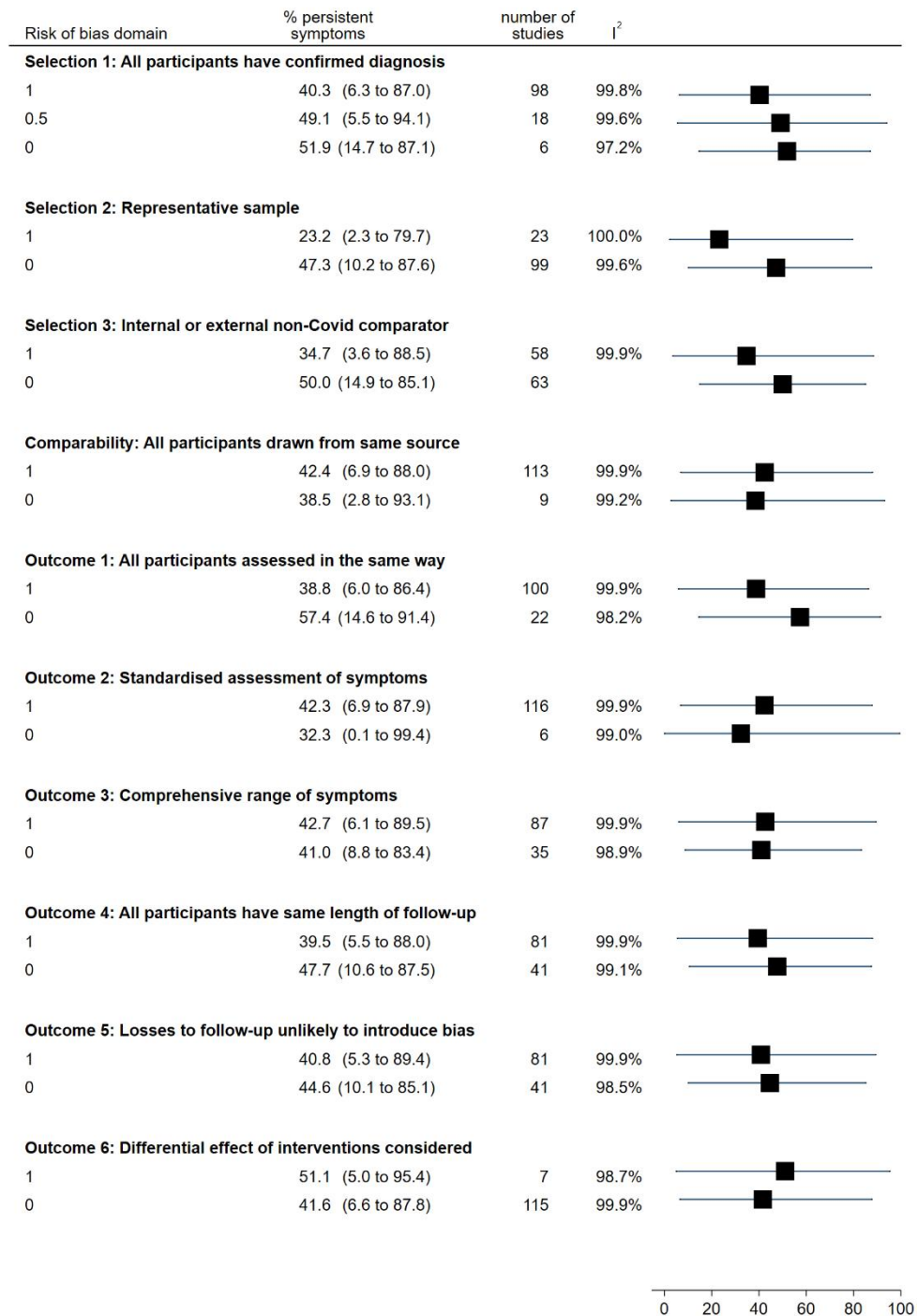
Supplementary Figure 39: Forest plot of prevalence of Long Covid in studies that reported on neurological pathology with 95% prediction intervals



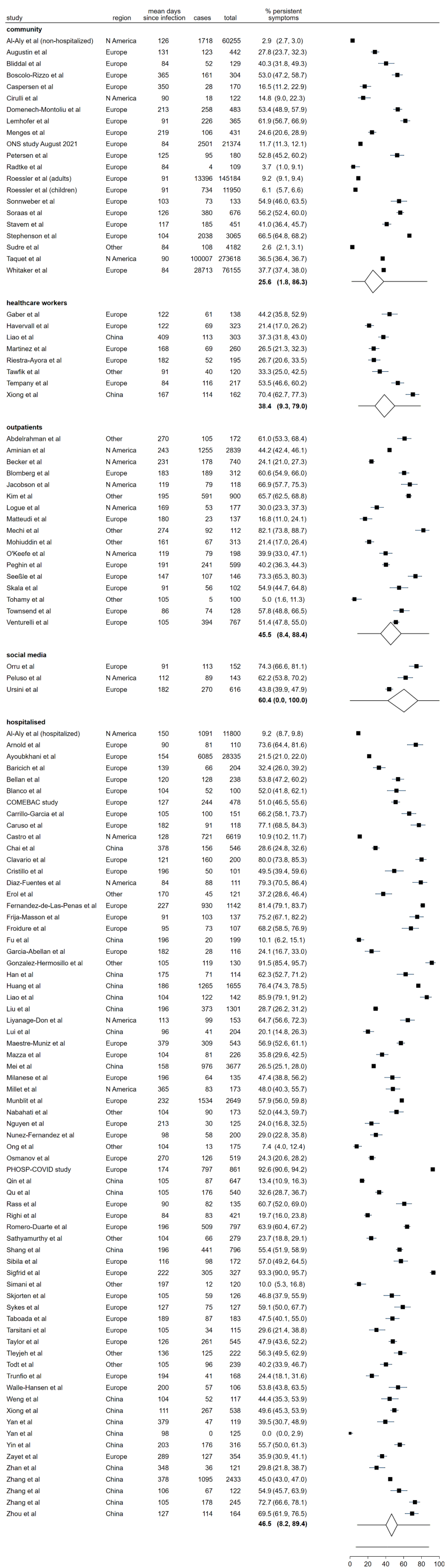
Supplementary Figure 40: Forest plot of prevalence of Long Covid in studies that reported on pancreatic pathology with 95% prediction intervals



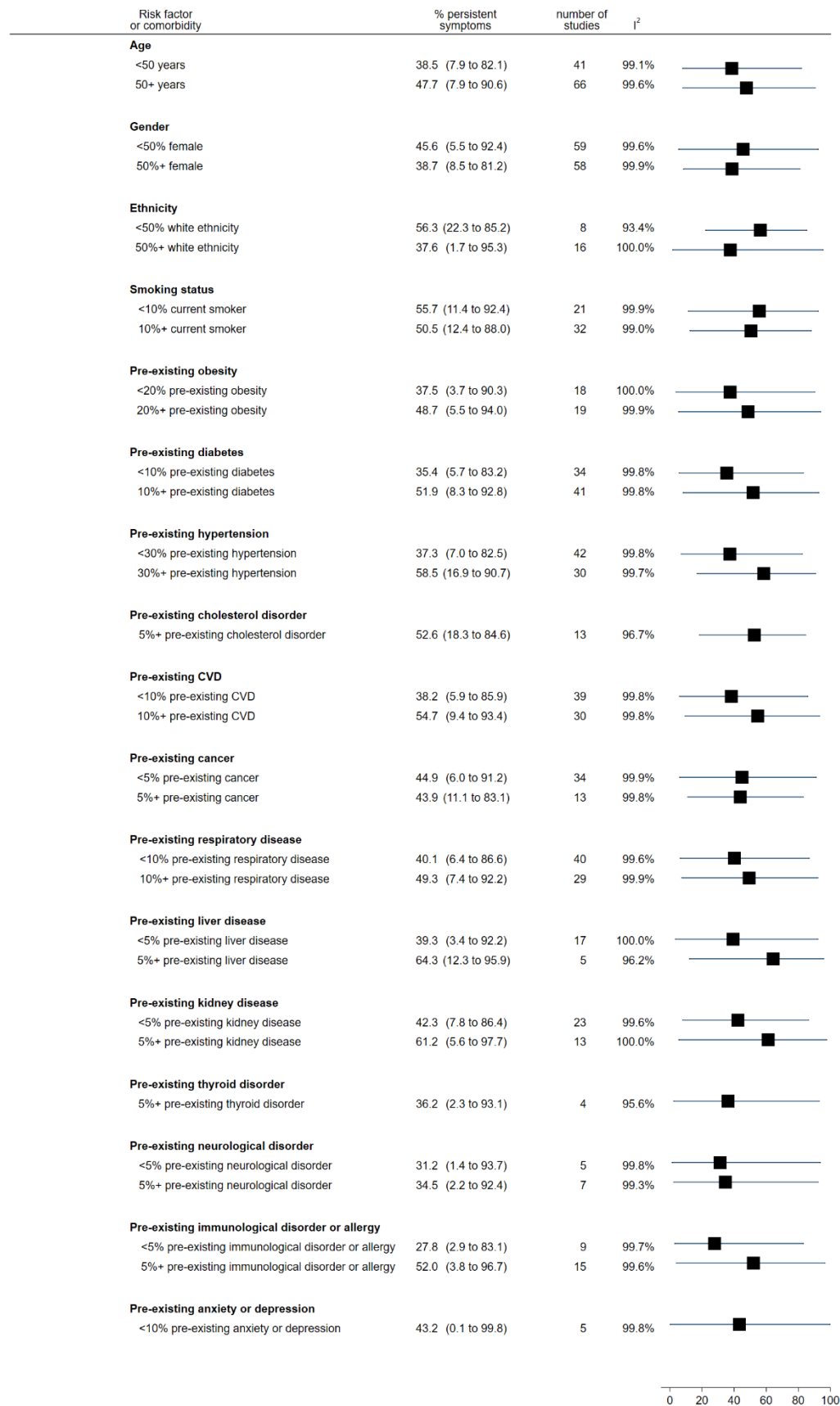
Supplementary Figure 41: Prevalence of Long Covid by risk of bias domains with 95% prediction intervals



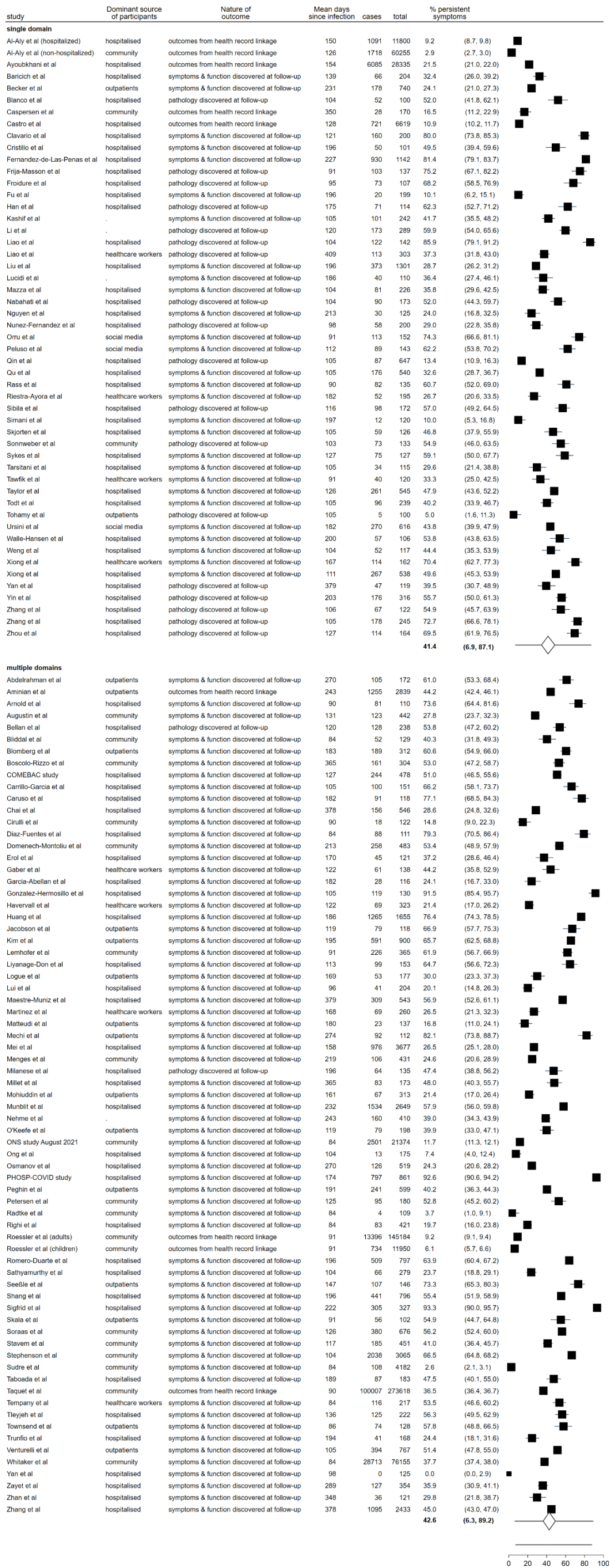
Supplementary Figure 42: Forest plot of prevalence of Long Covid in all included studies by sample recruitment source with 95% prediction intervals



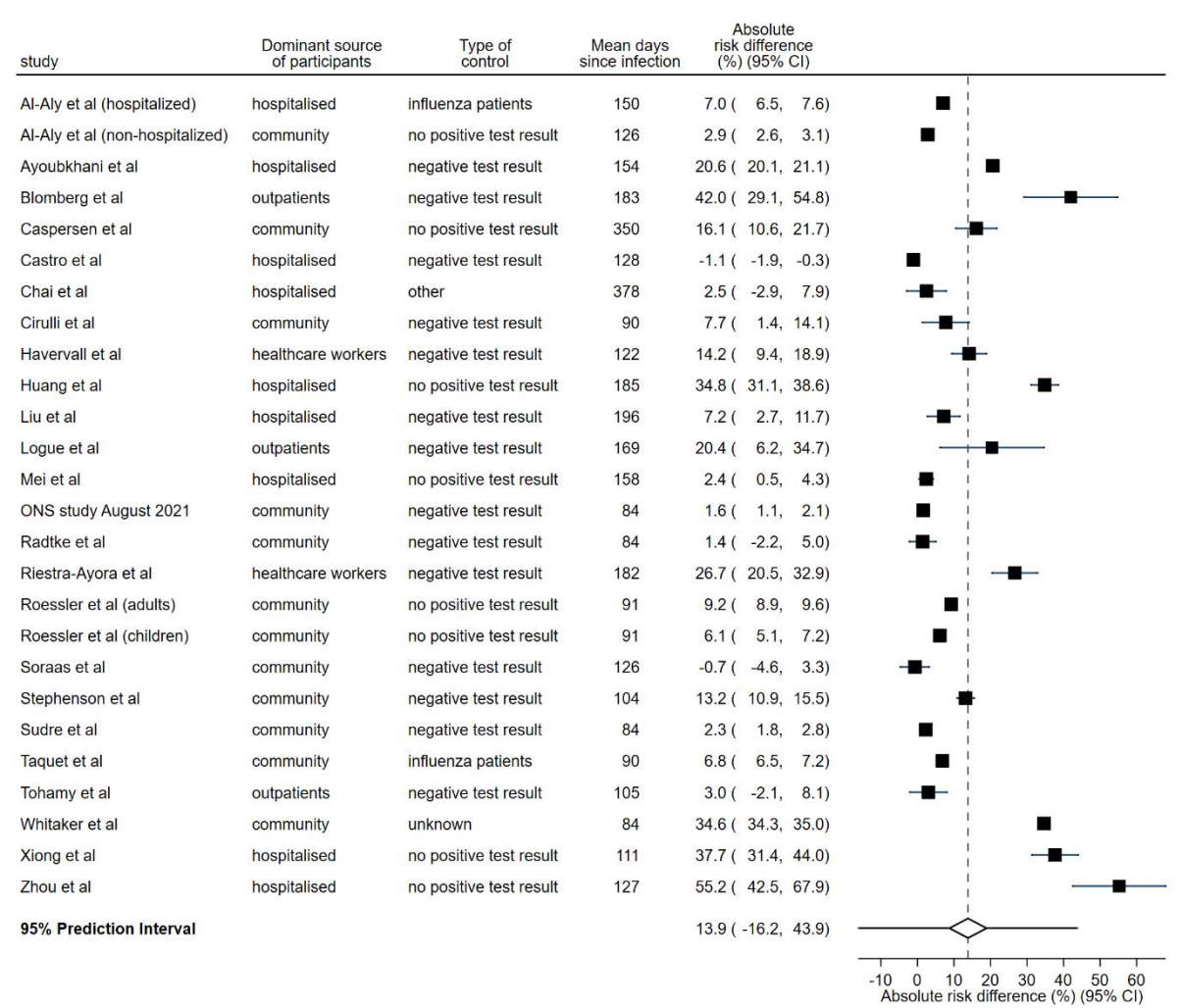
Supplementary Figure 43: Prevalence of Long Covid by risk factor or comorbidities with 95% prediction intervals



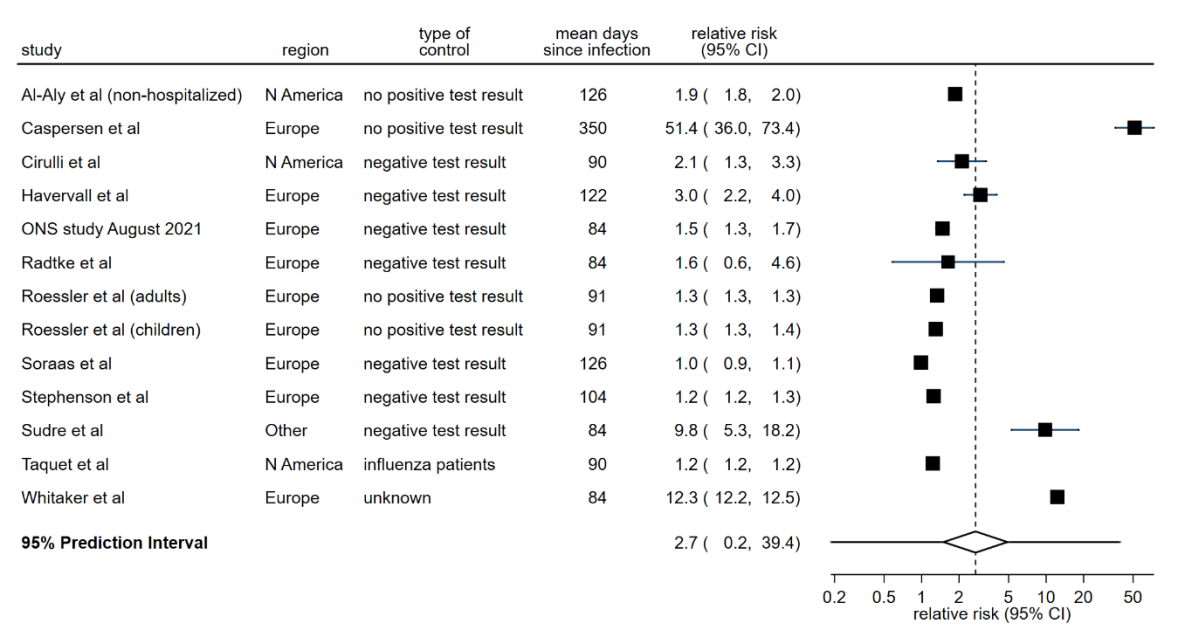
Supplementary Figure 44: Forest plot of prevalence of Long Covid in all included studies by domains of outcome assessment with 95% prediction intervals



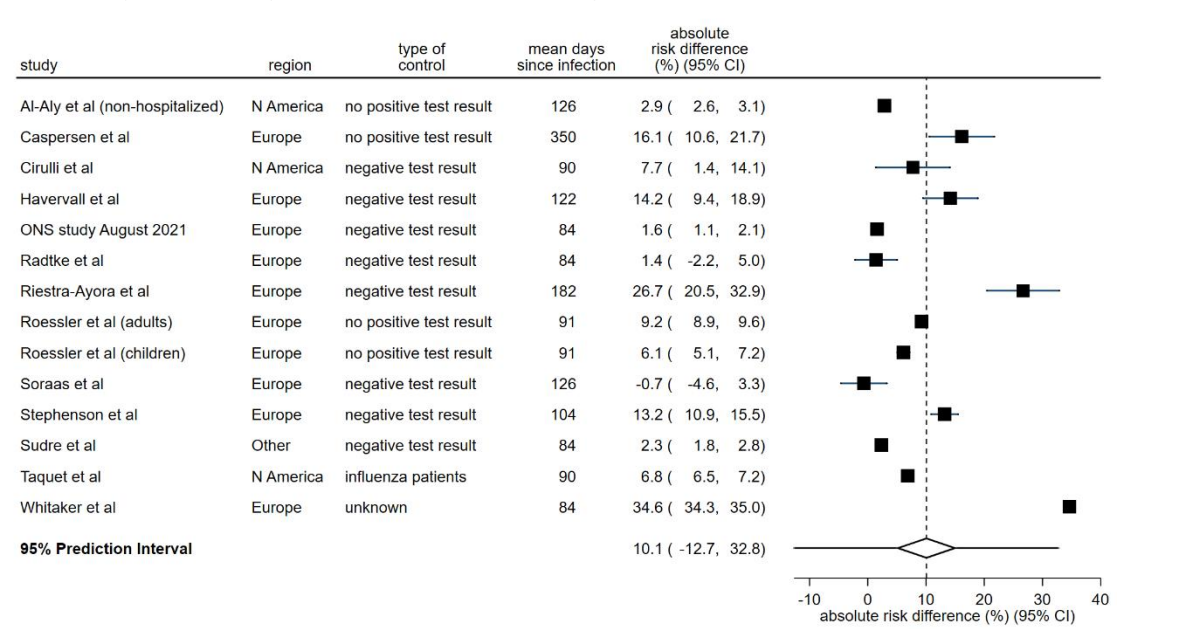
Supplementary Figure 45: Forest plot of risk difference of Long Covid in all included studies with controls with 95% prediction intervals



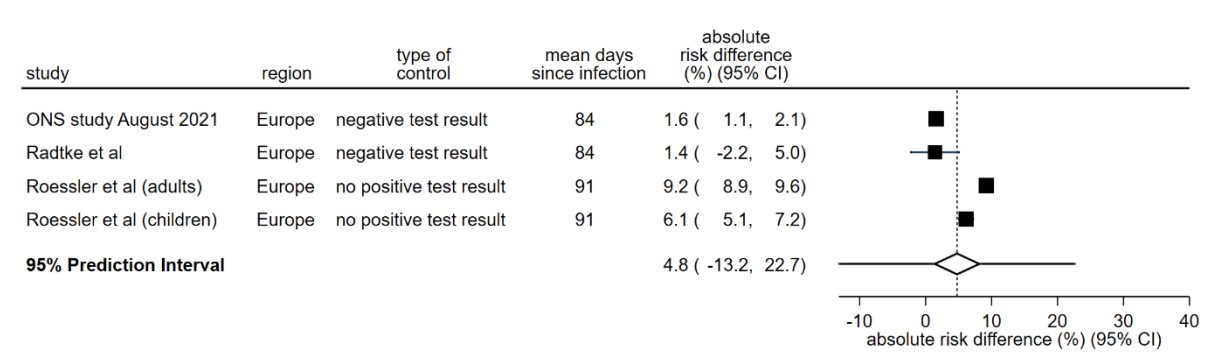
Supplementary Figure 46: Forest plot of relative risk of Long Covid in included studies with community-based samples and controls with 95% prediction intervals



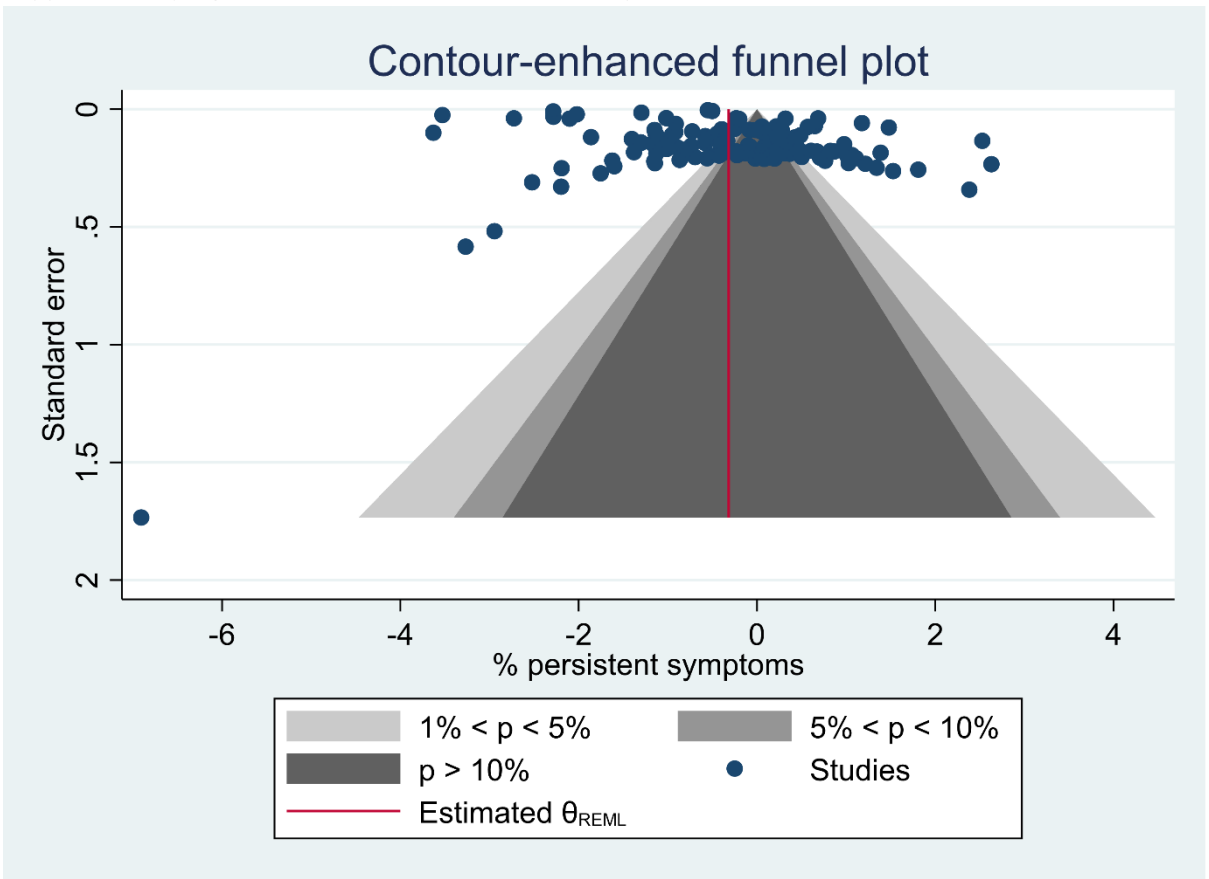
Supplementary Figure 47: Forest plot of risk difference of Long Covid in included studies with community-based samples and controls with 95% prediction intervals



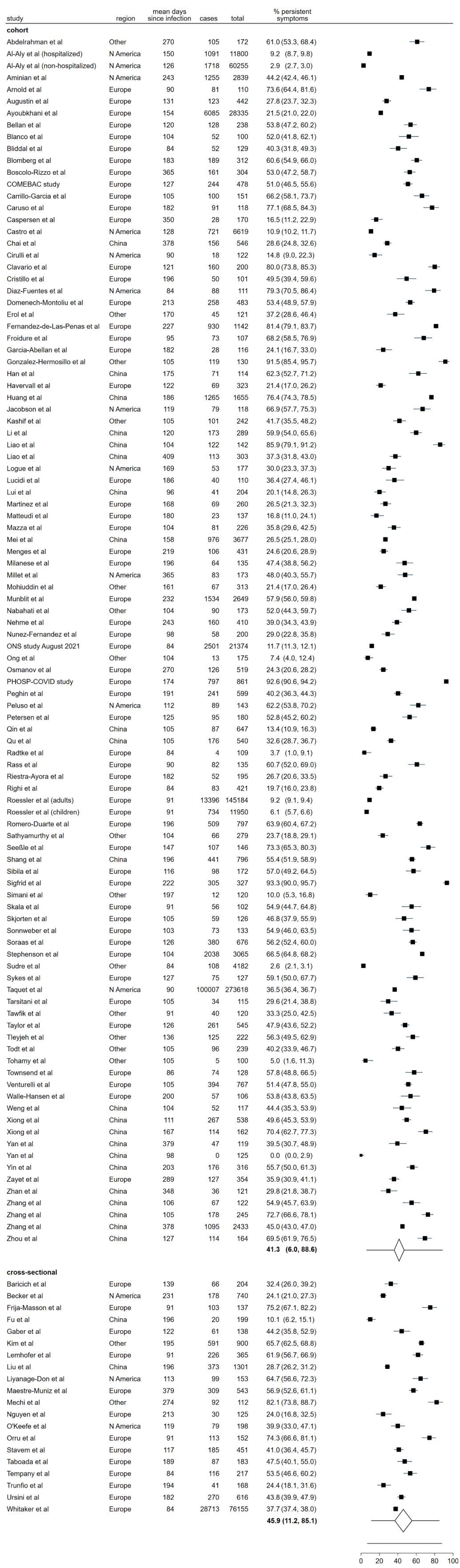
Supplementary Figure 48: Forest plot of risk difference of Long Covid in included studies with community-based samples and controls assessed as having low risk of bias with 95% prediction intervals



Supplementary Figure 49: Contour-enhanced funnel plot



Supplementary Figure 50: Forest plot of prevalence of Long Covid in the included studies by study design with 95% prediction intervals



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