Studies design, inclusion of clinical diagnoses and stratified smoking

| Lead author | Study design | Clinical diagnoses included | Stratified smoking reported |
| --- | --- | --- | --- |
| Guan, Ni | Retrospective Cohort | no | no |
| Guan, Liang | Retrospective Cohort | no | no |
| Lian | Retrospective Cohort | no | no |
| Jin | Retrospective Cohort | no | no |
| Chen | Retrospective Cohort | no | no |
| Zhou, Yu | Retrospective Cohort | no | no |
| Mo | Retrospective Cohort | no | no |
| Zhang, Dong | Retrospective Cohort | no | no |
| Wan | Retrospective Cohort | no | no |
| Liu, Tao | Retrospective Cohort | no | no |
| Huang, Wang | Retrospective Cohort | no | no |
| Zhang, Cai | Retrospective Cohort | no | no |
| Guo | Retrospective Cohort | no | no |
| Liu, Ming | Retrospective Cohort | no | no |
| Huang, Yang | Retrospective Cohort | no | no |
| Xu | Retrospective Cohort | no | no |
| Li | Retrospective Cohort | no | no |
| Rentsch | Retrospective Cohort | no | no |
| Hu | Retrospective Cohort | yes | no |
| Wang, Pan | Retrospective Cohort | no | no |
| Chow (US CDC) | Retrospective Cohort | no | no |
| Dong, Cao | Retrospective Cohort | yes | yes |
| Kim | Retrospective Cohort | no | no |
| Shi, Yu | Retrospective Cohort | no | no |
| Yang, Yu | Retrospective Cohort | no | no |
| Argenziano | Retrospective Cohort | no | no |
| Solis | Retrospective Cohort | no | no |
| Richardson | Retrospective Cohort | no | no |
| Fontanet | Retrospective Cohort | no | no |
| Zheng, Gao | Retrospective Cohort | no | no |
| Liao, Feng | Retrospective Cohort | no | no |
| Gil-Agudo | Prospective Cohort | no | no |
| Shi, Ren | Retrospective Cohort | no | no |
| Hadjadj | Case Control | no | no |
| Gold (US CDC) | Retrospective Cohort | no | no |
| Yu, Cai | Retrospective Cohort | no | no |
| Zheng, Xiong | Retrospective Cohort | no | no |
| de la Rica | Retrospective Cohort | no | no |
| Yin, Yang | Retrospective Cohort | no | no |
| Cho | Cross Sectional | no | yes |
| Allenbach | Retrospective Cohort | no | no |
| Robilotti | Prospective Cohort | no | no |
| The OpenSAFELY Collaborative | Retrospective Cohort | no | no |
| Borobia | Retrospective Cohort | no | no |
| Giacomelli | Prospective Cohort | no | no |
| Shah | Prospective Cohort | no | no |
| Kolin | Cross Sectional | no | no |
| Lubetzky | Retrospective Cohort | no | no |
| Goyal | Retrospective Cohort | no | no |
| Feng | Retrospective Cohort | no | no |
| Yao | Retrospective Cohort | no | no |
| Almazeedi | Retrospective Cohort | no | no |
| Carillo-Vega | Retrospective Cohort | no | no |
| Yanover | Retrospective Cohort | no | no |
| Hamer | Retrospective Cohort | no | no |
| Regina | Retrospective Cohort | no | no |
| de Lusignan | Cross Sectional | no | no |
| Targher | Retrospective Cohort | no | no |
| Valenti | Cross Sectional | no | no |
| Feuth | Retrospective Cohort | no | no |
| Ge | Prospective Cohort | no | no |
| Parrotta | Retrospective Cohort | no | no |
| Shekhar | Prospective Cohort | no | no |
| Mejia-Vilet | Prospective Cohort | no | no |
| Chen, Jiang | Cross Sectional | no | no |
| Li, Chen | Retrospective Cohort | no | no |
| Rimland | Retrospective Cohort | no | no |
| Palaiodimos | Retrospective Cohort | no | no |
| Ip | Retrospective Cohort | no | no |
| Heili-Frades | Retrospective Cohort | no | no |
| Vaquero-Roncero | Retrospective Cohort | no | no |
| Kim, Garg | Retrospective Cohort | no | no |
| Wu | Retrospective Cohort | no | no |
| Shi, Zhao | Retrospective Cohort | no | no |
| Al-Hindawi | Retrospective Cohort | no | no |
| Basse | Retrospective Cohort | yes | no |
| Freites | Retrospective Cohort | yes | no |
| Alshami | Retrospective Cohort | no | no |
| Berumen | Case Control | no | no |
| Gianfrancesco | Retrospective Cohort | no | no |
| Li, Long | Prospective Cohort | no | no |
| Batty | Prospective Cohort | no | no |
| Israel | Matched Case Control | no | no |
| del Valle | Retrospective Cohort | no | no |
| Chaudhry | Prospective Cohort | no | no |
| Louis | Retrospective Cohort | no | no |
| Soto-Mota | Retrospective Cohort | no | no |
| Garibaldi | Retrospective Cohort | no | no |
| Docherty | Prospective Cohort | yes | no |
| Boulware | Rct | yes | no |
| Kuderer | Retrospective Cohort | no | no |
| Romao | Retrospective Cohort | no | no |
| Giannouchos | Retrospective Cohort | no | no |
| Ramlall | Retrospective Cohort | no | no |
| Wang, Oekelen | Retrospective Cohort | no | no |
| Perrone | Rct | no | no |
| Sharma | Prospective Cohort | no | no |
| Eugen-Olsen | Prospective Cohort | no | no |
| Martinez-Portilla | Prospective Cohort | no | no |
| Raisi-Estabragh | Prospective Cohort | no | no |
| Luo | Retrospective Cohort | no | no |
| Houlihan | Prospective Cohort | no | no |
| Cen | Retrospective Cohort | no | no |
| Klang | Retrospective Cohort | no | no |
| Maraschini | Retrospective Cohort | no | no |
| Wang, Zhong | Retrospective Cohort | no | no |
| McQueenie | Prospective Cohort | no | no |
| Miyara | Cross Sectional | no | no |
| Apea | Prospective Cohort | no | no |
| Woolford | Prospective Cohort | no | no |
| Hultcrantz | Retrospective Cohort | no | no |
| Rajter | Retrospective Cohort | no | no |
| Lan | Cross Sectional | no | no |
| Russell | Prospective Cohort | no | no |
| Zeng | Retrospective Cohort | no | no |
| Suleyman | Retrospective Cohort | no | no |
| Chen, Yu | Retrospective Cohort | no | no |
| Garassino | Cross Sectional | no | no |
| Hernandez, Garduno | Case Control | no | no |
| Govind | Retrospective Cohort | no | no |
| Siso-Almirall | Retrospective Cohort | no | no |
| Gu | Retrospective Cohort | no | no |
| Kibler | Retrospective Cohort | no | no |
| Ikitimur | Matched Case Control | no | no |
| Sierpinski | Cross Sectional | no | no |
| Zhou, He | Retrospective Cohort | no | no |
| Crovetto | Prospective Cohort | no | no |
| Veras | Retrospective Cohort | no | no |
| Sterlin | Retrospective Cohort | no | no |
| Rossi | Prospective Cohort | no | no |
| Duan | Retrospective Cohort | yes | no |
| Martin-Jiminez | Retrospective Cohort | no | no |
| Elezkurtaj | Retrospective Cohort | no | yes |
| Lenka | Retrospective Cohort | no | no |
| Olivares | Retrospective Cohort | no | no |
| Salton | Retrospective Cohort | no | no |
| Wei | Prospective Cohort | no | no |
| Zuo, Estes | Retrospective Cohort | no | no |
| Killerby | Retrospective Cohort | no | no |
| Sigel | Matched Case Control | no | no |
| Nguyen | Retrospective Cohort | no | no |
| de Melo | Retrospective Cohort | no | no |
| Auvinen | Prospective Cohort | no | no |
| de Souza | Retrospective Cohort | no | no |
| Mendy | Retrospective Cohort | no | no |
| Jin, Gu | Retrospective Cohort | no | yes |
| Fisman | Retrospective Cohort | no | no |
| Madariaga | Prospective Cohort | no | no |
| Senkal | Retrospective Cohort | yes | no |
| Mohamud | Retrospective Cohort | no | yes |
| Magleby | Retrospective Cohort | no | no |
| Kimmig | Cross Sectional | no | no |
| Bello-Chavolla, Antonio-Villa | Prospective Cohort | no | no |
| Zacharioudakis | Retrospective Cohort | no | no |
| Antonio-Villa | Retrospective Cohort | no | no |
| Patel | Retrospective Cohort | no | no |
| Merzon | Retrospective Cohort | no | no |
| Trubiano | Prospective Cohort | no | no |
| Fan | Prospective Cohort | no | no |
| Shi, Resurreccion | Prospective Cohort | no | no |
| Riley | Prospective Cohort | no | no |
| Maucourant | Retrospective Cohort | no | no |
| Elmunzer | Retrospective Cohort | no | yes |
| Alizadehsani | Prospective Cohort | yes | no |
| Xie | Retrospective Cohort | no | no |
| Abolghasemi | Cross Sectional | yes | no |
| Merkely | Cross Sectional | no | no |
| Fox | Retrospective Cohort | yes | no |
| Zhang, Cao | Retrospective Cohort | no | no |
| Martinez-Resendez | Retrospective Cohort | no | no |
| Hoertel | Retrospective Cohort | no | no |
| Edwards | Retrospective Cohort | no | no |
| Pandolfi | Retrospective Cohort | no | no |
| Girardeau | Retrospective Cohort | no | no |
| Kurashima | Retrospective Cohort | no | no |
| Zhan | Retrospective Cohort | no | no |
| Omrani | Retrospective Cohort | no | no |
| Gupta | Retrospective Cohort | no | no |
| Shi, Zuo | Retrospective Cohort | no | no |
| Hussein | Retrospective Cohort | no | no |
| Bian | Prospective Cohort | no | no |
| Eiros | Cross Sectional | no | no |
| Marcos | Retrospective Cohort | no | no |
| Hoertel, Sanchez, Rico | Retrospective Cohort | no | no |
| Soares | Retrospective Cohort | no | no |
| Zobairy | Prospective Cohort | no | no |
| Altamimi | Retrospective Cohort | no | no |
| Thompson | Retrospective Cohort | no | no |
| Reiter | Prospective Cohort | no | no |
| Motta | Retrospective Cohort | unclear | no |
| Santos | Retrospective Cohort | no | no |
| Schneeweiss | Prospective Cohort | no | no |
| Mejia | Cross Sectional | no | no |
| Izquierdo | Retrospective Cohort | yes | no |
| Bernaola | Retrospective Cohort | unclear | no |
| Islam | Retrospective Cohort | no | no |
| Qi | Retrospective Cohort | no | no |
| Peters | Retrospective Cohort | no | no |
| Ouyang | Retrospective Cohort | no | no |
| Ward | Prospective Cohort | no | no |
| Valenzuela | Retrospective Cohort | no | no |
| Monteiro | Retrospective Cohort | no | no |
| Philipose | Retrospective Cohort | no | no |
| Weerahandi | Prospective Cohort | no | no |
| Ebinger | Prospective Cohort | no | no |
| Altibi | Retrospective Cohort | no | no |
| Izzi-Engbeaya | Retrospective Cohort | no | no |
| Rizzo | Retrospective Cohort | no | no |
| Morshed | Retrospective Cohort | no | no |
| Jun | Prospective Cohort | no | no |
| Higuchi | Retrospective Cohort | no | no |
| Zhou, Sun | Retrospective Cohort | no | no |
| Salerno | Retrospective Cohort | no | no |
| Kumar | Retrospective Cohort | no | no |
| Hao | Cross Sectional | no | no |
| Iversen | Prospective Cohort | no | no |
| Hippisley-Cox | Retrospective Cohort | no | no |
| Fillmore | Retrospective Cohort | no | no |
| Rashid | Retrospective Cohort | no | no |
| Pan | Cross Sectional | no | no |
| Alkurt | Retrospective Cohort | no | no |
| Zhao, Chen | Retrospective Cohort | no | no |
| Holman | Retrospective Cohort | yes | no |
| Qu | Retrospective Cohort | no | no |
| Chand | Retrospective Cohort | no | no |
| Petrilli | Prospective Cohort | no | no |
| Magagnoli | Retrospective Cohort | no | no |
| Niedzwiedz | Prospective Cohort | no | yes |
| Bello-Chavolla | Retrospective Cohort | no | yes |
| Zuo, Yalavarthi | Cross Sectional | no | no |
| Oliveira | Retrospective Cohort | no | no |
| Hussein, Galal | Cross Sectional | yes | no |
| Vilar-Garcia | Cross Sectional | yes | no |
| Ibarra-Nava | Cross Sectional | no | no |
| Ibrahim | Prospective Cohort | no | no |
| Rubio-Rivas | Retrospective Cohort | no | no |
| Mamtani | Retrospective Cohort | no | no |
| Ren | Retrospective Cohort | no | no |
| Yoo | Retrospective Cohort | no | no |
| Mutambudzi | Cross Sectional | no | no |
| Yan | Case Control | no | no |
| Mancilla-Galindo | Retrospective Cohort | no | no |
| Ullah | Retrospective Cohort | no | no |
| Dashti | Retrospective Cohort | no | no |
| Sami | Prospective Cohort | no | no |
| Pongpirul | Retrospective Cohort | no | no |
| Nicholson | Retrospective Cohort | no | no |
| Ariza | Prospective Cohort | no | no |
| Carrat | Prospective Cohort | no | no |
| Zhu | Retrospective Cohort | no | no |
| Sun | Retrospective Cohort | no | no |
| Kalan | Retrospective Cohort | no | no |
| Burrell | Retrospective Cohort | no | no |
| Meini | Case Control | no | yes |
| Favara | Prospective Cohort | no | no |
| da Silva Neto | Prospective Cohort | no | no |
| Li, Cai | Retrospective Cohort | no | no |
| Wang | Retrospective Cohort | no | no |
| Lopez-Medrano | Retrospective Cohort | yes | no |
| Incerti | Retrospective Cohort | no | no |
| Collard | Prospective Cohort | yes | no |
| Robinson | Retrospective Cohort | no | no |
| Erber | Prospective Cohort | no | no |
| Chaudhary | Prospective Cohort | no | no |
| Roederer | Cross Sectional | no | no |
| Savarraj | Prospective Cohort | no | no |
| Israel, Schaffer | Retrospective Cohort | no | no |
| El-Solh | Retrospective Cohort | no | no |
| Chudasama | Retrospective Cohort | no | no |
| Salama | Rct | yes | no |
| Makaronidis | Prospective Cohort | no | no |
| Ramachandran | Retrospective Cohort | no | no |
| Hadi | Retrospective Cohort | no | no |
| Luo, Rizvi | Retrospective Cohort | no | no |
| Ioannou | Retrospective Cohort | no | no |
| Perico | Cross Sectional | no | no |
| Lamure | Retrospective Cohort | yes | no |
| Yadaw | Retrospective Cohort | no | no |
| Zinellu | Retrospective Cohort | no | no |
| Ziehr | Retrospective Cohort | not\_specified | no |
| Zhou, He, Yang | Retrospective Cohort | no | no |
| Zhou, Song | Retrospective Cohort | no | no |
| Zhou, Qin | Retrospective Cohort | no | no |
| Zhang, Li | Retrospective Cohort | no | no |
| Zhan, Liu | Retrospective Cohort | no | no |
| Wang, Shu | Retrospective Cohort | no | no |
| Wang, Zheutlin | Retrospective Cohort | no | no |
| Vila-Corcoles | Retrospective Cohort | yes | no |
| Torres-Macho | Retrospective Cohort | no | no |
| Talavera | Retrospective Cohort | no | no |
| Serling-Boyd | Case Control | no | no |
| Raines | Retrospective Cohort | no | no |
| Parra-Bracamonte | Retrospective Cohort | no | no |
| O'Reilly | Prospective Cohort | no | no |
| Martini | Retrospective Cohort | yes | no |
| Li, Long, Zhang | Retrospective Cohort | no | no |
| Lassale | Retrospective Cohort | yes | no |
| Klang, Soffer | Retrospective Cohort | no | no |
| Kim, Han | Retrospective Cohort | no | no |
| Jehi | Retrospective Cohort | no | no |
| Jakob | Prospective Cohort | no | no |
| Invernizzi | Cross Sectional | no | no |
| Ilic | Retrospective Cohort | no | no |
| Hamadah | Prospective Cohort | no | no |
| Gianfrancesco, Leykina | Retrospective Cohort | yes | no |
| Ghinai | Prospective Cohort | no | no |
| Fond | Retrospective Cohort | yes | no |
| Best | Retrospective Cohort | yes | no |
| Bellan | Retrospective Cohort | no | no |
| Alharthy | Retrospective Cohort | no | no |
| Alguwaihes | Retrospective Cohort | no | no |
| Aksu | Retrospective Cohort | yes | no |
| Adrish | Retrospective Cohort | no | no |
| Hoertel, Sanchez, Vernet | Retrospective Cohort | no | no |
| Arleo | Retrospective Cohort | no | no |
| Bermejo-Martin | Retrospective Cohort | no | no |
| Joubert | Cross Sectional | no | no |
| Kortela | Retrospective Cohort | no | no |
| Sourij | Prospective Cohort | no | no |
| Gallichotte | Prospective Cohort | no | no |
| Galal | Cross Sectional | yes | no |
| Clavario | Prospective Cohort | no | no |
| Saeed | Cross Sectional | yes | no |
| Cadegiani | Rct | no | no |
| Benaim | Retrospective Cohort | no | no |
| Singh | Retrospective Cohort | yes | no |
| Marquez-Salinas | Retrospective Cohort | no | no |
| Diez-Manglanas | Retrospective Cohort | no | no |
| Woolcott | Retrospective Cohort | no | no |
| Simons | Retrospective Cohort | no | no |
| Dupraz | Cross Sectional | no | no |
| Chen, Varathraja | Retrospective Cohort | no | no |
| Martinez-Lacalzada | Retrospective Cohort | no | no |
| Barasa | Retrospective Cohort | no | no |
| Ren, Guo | Retrospective Cohort | no | no |
| O'Gallagher | Retrospective Cohort | no | no |
| Modrak | Retrospective Cohort | no | no |
| Zuo, Warnock | Prospective Cohort | no | no |
| Bisso | Retrospective Cohort | no | no |
| Rentsch, Beckman | Retrospective Cohort | no | no |
| Thiabaud | Retrospective Cohort | no | no |
| Iftimie | Prospective Cohort | no | no |
| Vila-Corcoles, Satue-Gracia | Retrospective Cohort | no | no |
| Levy | Prospective Cohort | no | no |
| Lowe | Retrospective Cohort | no | yes |
| Paleiron | Retrospective Cohort | yes | no |
| Boyd | Retrospective Cohort | no | no |
| Caglar | Retrospective Cohort | no | no |
| Cai, Yang | Retrospective Cohort | no | no |
| Caliskan | Retrospective Cohort | yes | no |
| Dai | Retrospective Cohort | no | yes |
| Didikoglu | Prospective Cohort | no | no |
| Ebrahimian | Retrospective Cohort | no | no |
| Estiri | Retrospective Cohort | no | no |
| Ferrari | Prospective Cohort | no | no |
| Giannini | Retrospective Cohort | no | no |
| Ho | Prospective Cohort | no | no |
| Ho, Narasimhan | Retrospective Cohort | no | yes |
| Kantele | Prospective Cohort | no | no |
| Polat | Retrospective Cohort | yes | no |
| Lin | Retrospective Cohort | no | no |
| Lohia | Retrospective Cohort | no | no |
| Mansour | Retrospective Cohort | yes | no |
| Mendes | Retrospective Cohort | yes | no |
| Nunez-Gil | Prospective Cohort | yes | no |
| Park | Prospective Cohort | no | no |
| Quan | Retrospective Cohort | no | no |
| Saurabh | Case Control | no | no |
| Hewitt | Retrospective Cohort | yes | no |
| Vahidy | Retrospective Cohort | no | no |
| Chousein | Retrospective Cohort | yes | no |
| Thakar | Prospective Cohort | no | no |
| Tavakol | Retrospective Cohort | yes | no |
| Tao | Retrospective Cohort | no | no |
| Strangfeld | Retrospective Cohort | yes | no |
| Zhou, Ma | Retrospective Cohort | yes | no |
| Zhong | Retrospective Cohort | yes | no |
| Zhang, Yang | Retrospective Cohort | no | no |
| Zhang, Wang | Retrospective Cohort | no | no |
| Yao, Hasegawa | Retrospective Cohort | no | no |
| Munoz | Prospective Cohort | no | no |
| Gori | Retrospective Cohort | no | no |
| Rowlands | Prospective Cohort | yes | no |
| Richard | Prospective Cohort | no | no |
| Schubl | Prospective Cohort | no | no |
| Kjetland | Retrospective Cohort | no | no |
| Lewnard | Prospective Cohort | no | no |
| Nezhadmoghadam | Retrospective Cohort | yes | no |
| Vousden | Prospective Cohort | no | no |
| Ader | Rct | no | no |
| Shade | Retrospective Cohort | yes | no |
| Ayoubkhani | Retrospective Cohort | no | no |
| Cummins | Retrospective Cohort | yes | no |
| Tardif | Rct | no | no |
| Jafari | Prospective Cohort | no | no |
| Prats-Uribe | Prospective Cohort | no | no |
| Crooks | Retrospective Cohort | yes | no |
| Nuno | Retrospective Cohort | no | no |
| de Abajo | Retrospective Cohort | no | no |
| Mora | Prospective Cohort | no | no |
| Molenaar | Prospective Cohort | no | no |
| Vila-Corcoles, Satue-Gracia, Vila-Rovira | Prospective Cohort | no | no |
| ISARIC | Prospective Cohort | no | no |
| Gegout Petit | Cross Sectional | no | no |
| Leister | Cross Sectional | no | no |