

## Notes:

Supplemental material

- 1) All stratiffied analyses use COVID-19 plus covariates sex and age.
- 2) Localized cancer type stratified studies included those with at least 100 localized cases.
- 3) Distant metastsis cancer type stratified studies included those with at lesat 40 metastasized cases, except colorectal, breast, and panncreatic cancers, which had no COVID-19 associated deaths.