**Supplementary appendix**

Table S2. Summarization of data on male proportion, age, ICS use and GOLD stage between groups

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| --- | --- | --- | --- |
| **Patients characteristics** | **PCOPD** | **ECOPD** | ***P*** |
| Male | 16777/28382(59.1%) | 35377/62507(56.6%) | < 0.0001 |
| Age | 74.0 ± 2.5 | 71.9 ± 2.0 | < 0.05 |
| ICS use | 4888/25861(18.9%) | 13197/53096(24.8%) | < 0.0001 |
| GOLD Stage(III-IV) | 1469/4071(36.1%) | 5217/13115(39.8%) | < 0.0001 |

PCOPD, chronic obstructive pulmonary disease with community-acquired pneumonia; ECOPD, acute exacerbation of chronic obstructive pulmonary disease; ICS, inhaled corticosteroids; GOLD, Global Initiative for Chronic Obstructive Lung Disease.