Supplementary Table S1. Search Strategies

**Search strategy in PubMed**

#1  
acceleromet*[Text Word]OR actimeter[Text Word]OR actigraph[Text Word]OR actiwatch[Text Word] OR GT3X[Text Word] OR pedomet*[Text Word]OR (activity monitor)[Text Word]OR (step count*)[Text Word] OR (step sensor)[Text Word]OR (step meter)[Text Word]

#2  
(pulmonary disease, chronic obstructive)[MeSH Terms]OR (lung diseases, obstructive)[MeSH Terms]OR (pulmonary emphysema)[MeSH Terms]OR (bronchitis, chronic)[MeSH Terms]OR (obstructive lung disease)[Text Word]OR (chronic obstructive lung disease)[Text Word]OR (chronic obstructive airways disease)[Text Word]OR (chronic airways limitation)[Text Word]OR (chronic airways obstruction)[Text Word] OR copd[Text Word] OR coad[Text Word]OR cobd[Text Word] OR aecd[Text Word] AND (Tumor necrosis factor-a) [MeSH Terms] OR (TNF-a)[Title/Abstract/Keywords]

#3  
#1 AND #2

#4  
#3  Filter: Publication date to March 22, 2019

**Search strategy in the Cochrane Library**

#1  
acceleromet*[Title/Abstract/Keywords]OR actimeter[Title/Abstract/Keywords]OR actigraph[Title/Abstract/Keywords]OR actiwatch[Title/Abstract/Keywords] OR GT3X[Title/Abstract/Keywords] OR pedomet*[Title/Abstract/Keywords]OR (activity monitor)[Title/Abstract/Keywords]OR (step count*)[Title/Abstract/Keywords] OR (step sensor)[Title/Abstract/Keywords]OR (step meter)[Title/Abstract/Keywords]

#2  
(pulmonary disease, chronic obstructive)[MeSH Terms]OR (lung diseases, obstructive)[MeSH Terms]OR (pulmonary emphysema)[MeSH Terms]OR (bronchitis, chronic)[MeSH Terms]OR (obstructive lung disease)[Title/Abstract/Keywords]OR(chronic obstructive lung disease)[Title/Abstract/Keywords]OR (chronic obstructive airways
disease)[Title/Abstract/Keywords] OR (chronic airways limitation)[Title/Abstract/Keywords] OR (chronic airways obstruction)[Title/Abstract/Keywords] OR copd[Title/Abstract/Keywords] OR coad[Title/Abstract/Keywords] OR cobd[Title/Abstract/Keywords] OR aecd[Title/Abstract/Keywords] AND (Tumor necrosis factor-a) [MeSH Terms] OR (TNF-a)[Title/Abstract/Keywords]

#3 #1 AND #2

#4 #3Filter: Publication dateto May22, 2017