

Supplementary material

Supplementary figures legend

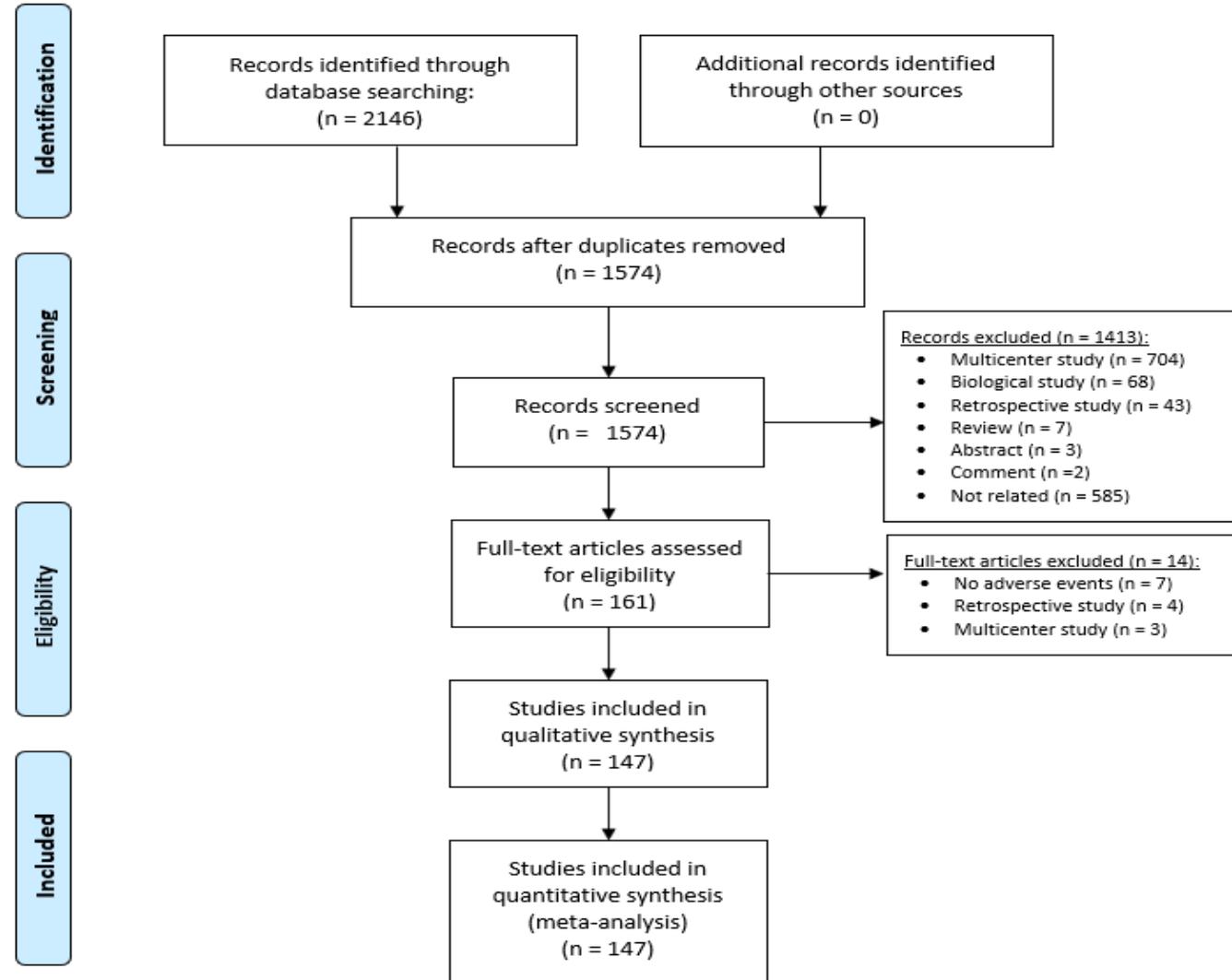
Supplementary Figure S1: PRISMA flowchart

Supplementary Figure S2: Bubble plots showing meta-regression of different variables on pooled events rates: A) study period on irAE grade 5, B) percentage of patients who underwent chemotherapy on cardiac related irAE, percentage of patients who underwent surgery on C) cardiac-related irAE and D) pulmonary-related irAE

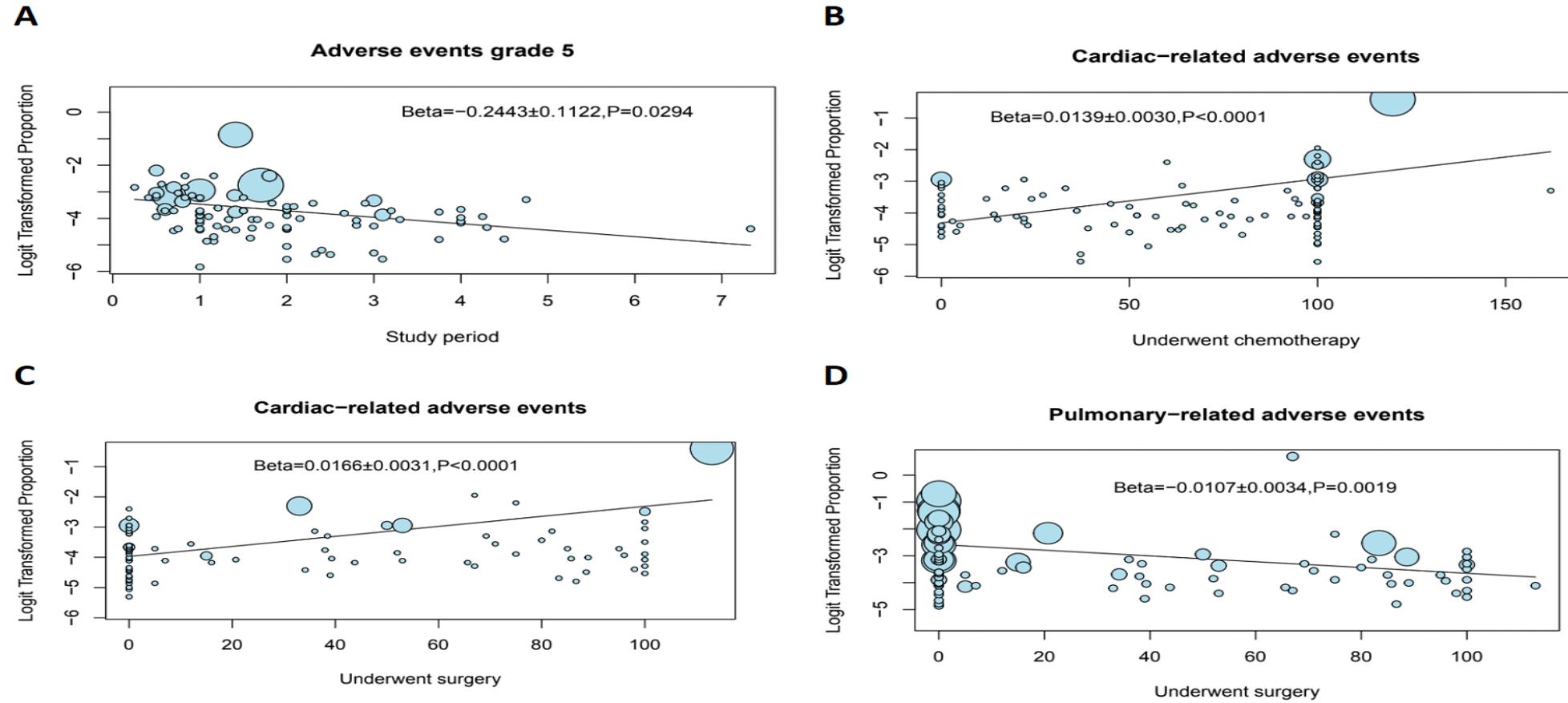
Supplementary Figure S3: Funnel plots for assessment of publication bias; A for pulmonary irAEs, B for cardiac irAEs, C for grade 3,4 irAEs, D for any grade irAEs, and E for grade 5 irAEs

Supplementary Figure S4: Threshold analysis showing relation between number of annual cases and grade 3-4 (A), cardiac-related (B), and pulmonary-related (C) adverse events without 33 studies

Supplementary Figure S1: PRISMA flowchart



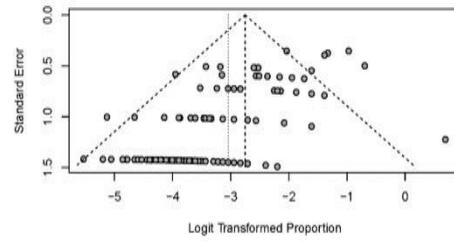
Supplementary Figure S2: Bubble plots showing meta-regression of different variables on pooled events rates: A) study period on irAEs grade 5, B) percentage of patients who underwent chemotherapy on cardiac-related irAEs, percentage of patients who underwent surgery on C) cardiac-related irAEs and D) pulmonary-related irAEs



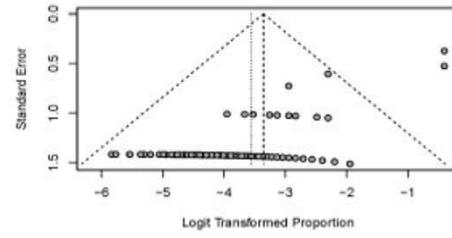
AEs: Adverse events

Supplementary Figure S3: Funnel plots for assessment of publication bias; A) for pulmonary irAEs, B) for cardiac irAEs, C) for grade 3,4 irAEs, D) for any grade irAEs, and E) for grade 5 irAEs

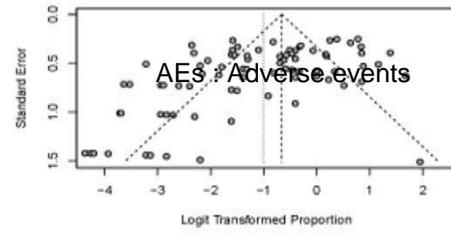
A)



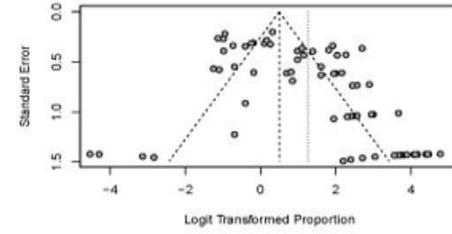
B)



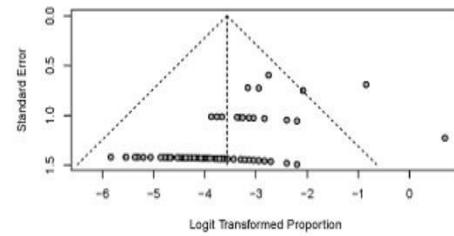
C)



D)



E)



Supplementary Figure S4: Threshold analysis showing relation between number of annual cases and grade 3-4 (A), cardiac-related (B), and pulmonary-related (C) adverse events without 33 studies.

