79,718 HCC patients registered in the NHIRD between 1997 and 2012

- Exclude
  - 59,393 without receiving operation
  - 7,092 first HCC therapy not with operation or combined other therapy

13,233 HCC patients receiving operation for curing HCC at first time

- Exclude
  - 1,164 with follow-up duration up to 90 days after receiving operation

12,069 with survival great than 90 days

- Exclude
  - 1,328 with non-HCC cancer before receiving operation

10,741 HCC with survival great than 90 days

Distribution of the statins using days in the first 90 days after operation
  - 10,348 less than 2 days
  - 225 between 2-80 days
  - 168 more than 80 days

- Exclude
  - 225 between 2-80 days

10,516 eligible patients in the study
  - 10,348 in non-user cohort
  - 168 in statins cohort

Matching with statins cohort 1:4 by means of propensity score

608 in non-user cohort
152 in statins cohort