

**Achieving cross provincial comparisons of osteoporosis screening performance from administrative health data**

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**Supplementary Appendix 1**

```
** Example calculation of Osteoporosis Screening performance measure using British Columbia data**;
```

```
** set the 3 years of physician data, keeping only the fee items for bone mineral density;
```

```
data BMD;  
  set phys_ffs_data1314(keep=studyid feeitem where=(feeitem in ('08696', '08689', '08688')))  
    phys_ffs_data1415(keep=studyid feeitem where=(feeitem in ('08696', '08689', '08688')))  
    phys_ffs_data1516(keep=studyid feeitem where=(feeitem in ('08696', '08689', '08688')));  
  
  keep studyid;  
  run;
```

```
*keep only 1 record per person to flag that the person had a BMD in the 3-year period;
```

```
proc sort data=BMD nodupkey;  
  by studyid;  
  run;
```

```
** cohortBMD is already limited to the eligible cohort (that is, the inclusion & exclusion criteria are already applied).;
```

```
data cohortBMD;  
  merge cohortBMD(in=a) BMD(in=b);  
  by studyid;  
  if a;  
  
  if a and b then had_BMD=1;  
  else if a and not b then had_BMD=0;  
  run;
```

```
** % who had a BMD can now be found, by region, gender etc as needed;
```