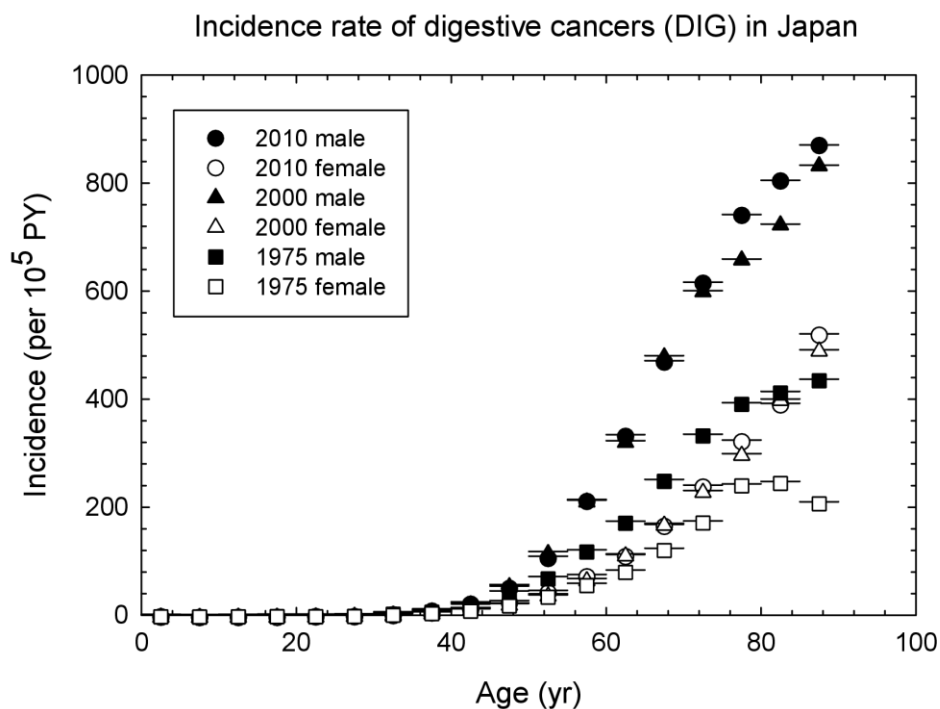


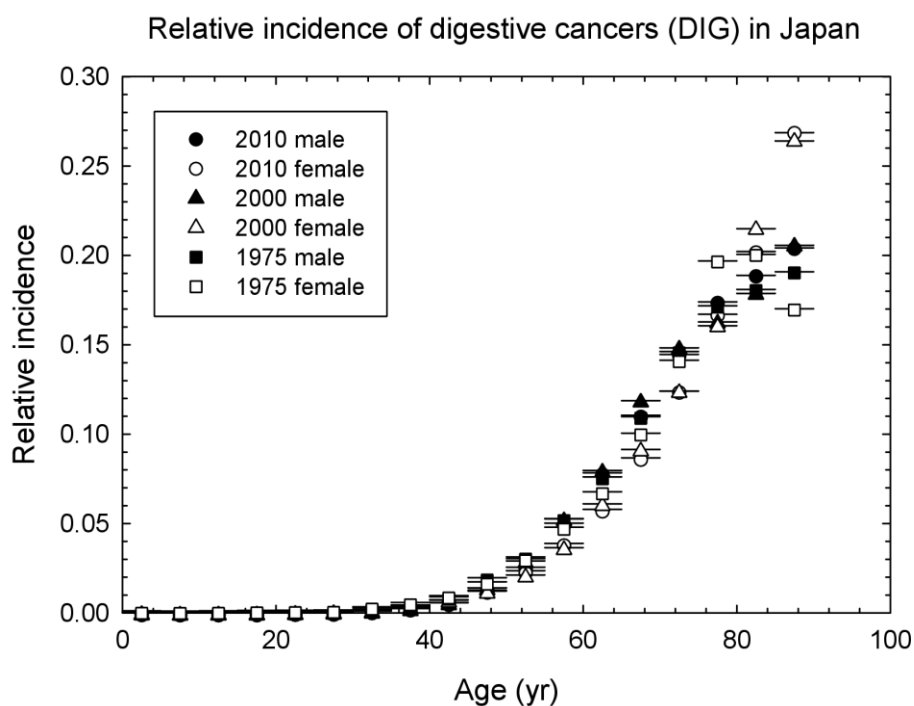
## Appendix 1.

### Cancer grouping: checking for compatibility

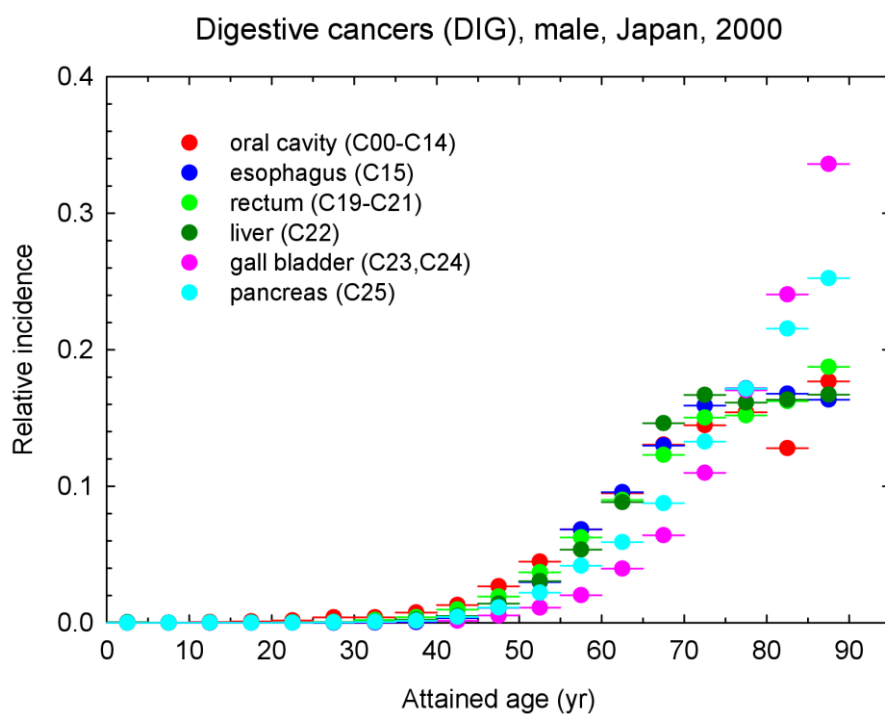
#### Group DIG



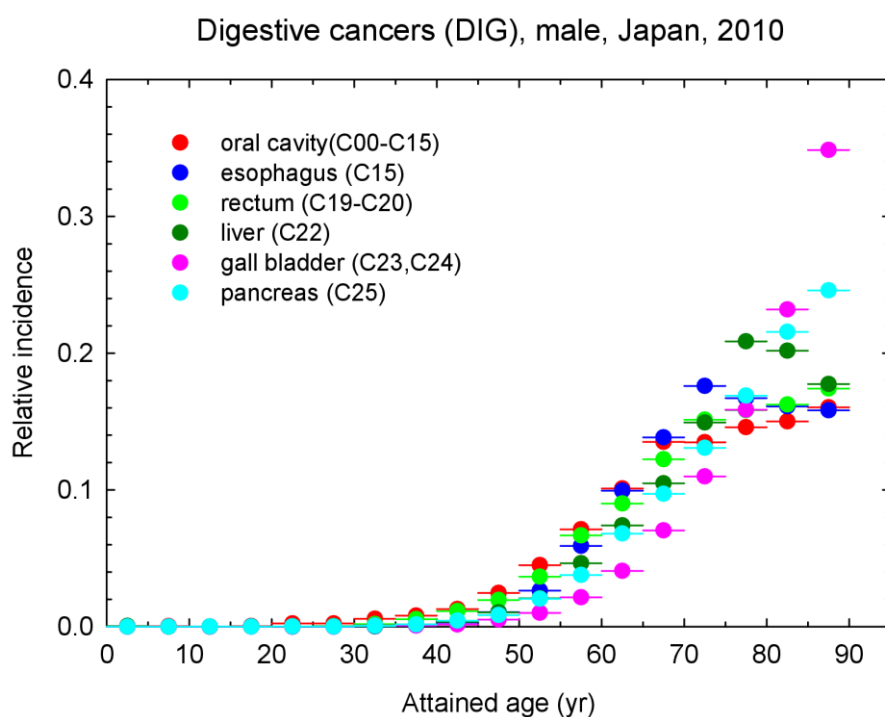
**Fig. 1** Age-dependent incidence rate of digestive cancers (DIG) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)



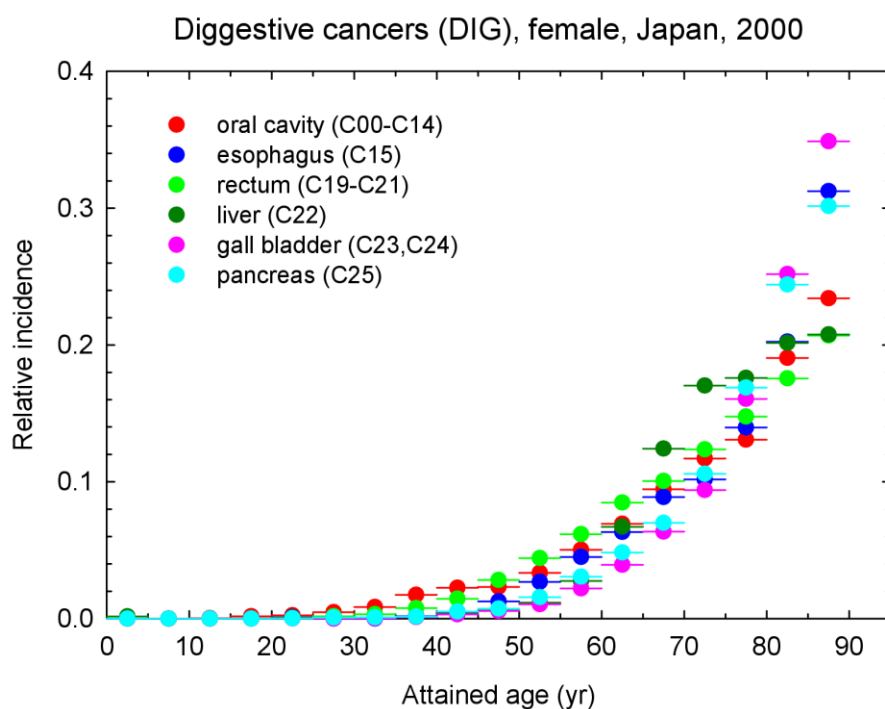
**Fig. 2** Relative incidence of digestive cancers (DIG) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)



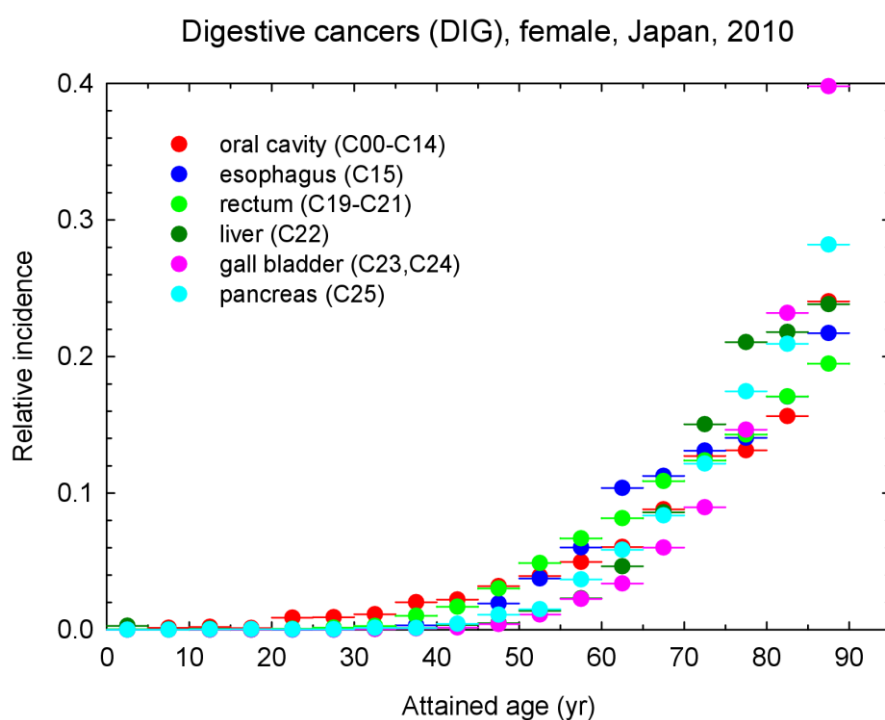
**Fig. 3** Relative incidence rate of digestive cancers (DIG) for males in Japan in 2000



**Fig. 4** Relative incidence rate of digestive cancers (DIG) for males in Japan in 2010

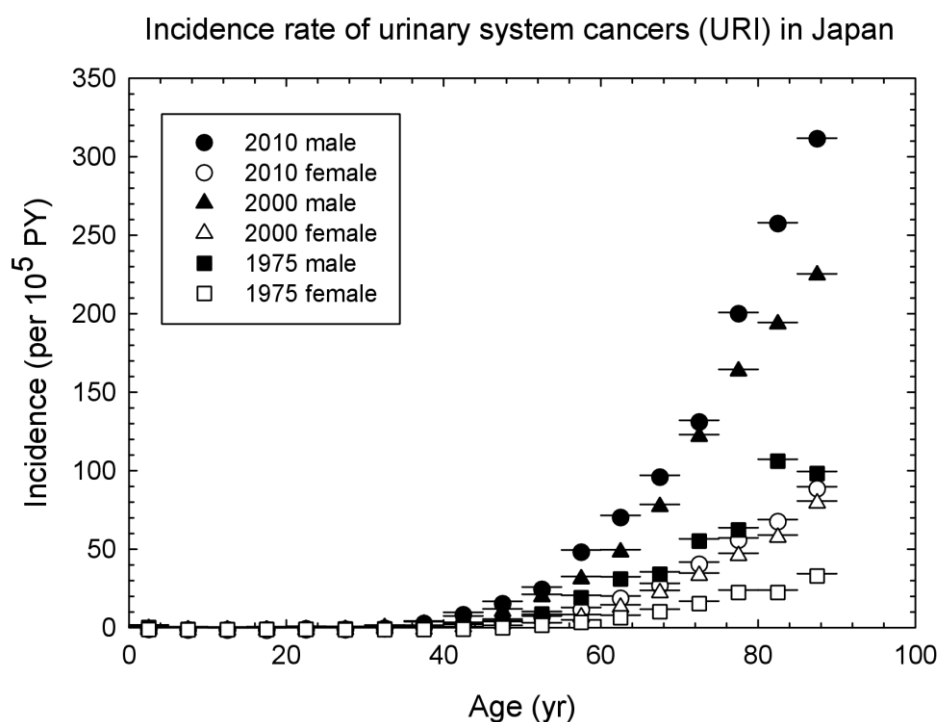


**Fig. 5 Relative incidence rate of digestive cancers (DIG) for females in Japan in 2000**

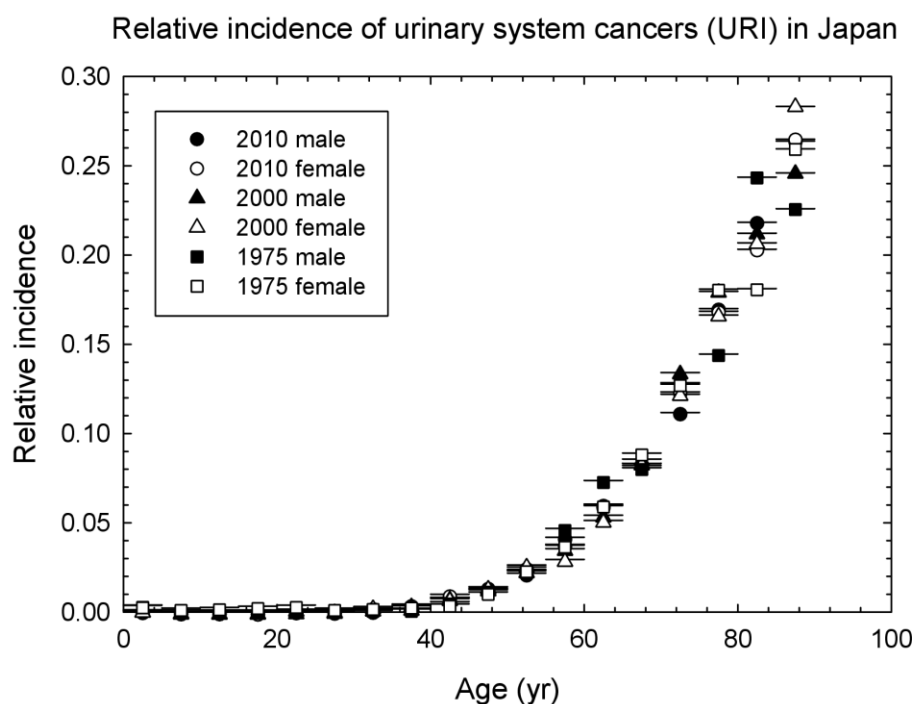


**Fig. 6 Relative incidence rate of digestive cancers (DIG) for females in Japan in 2010**

## Group URI



**Fig. 7** Age-dependent incidence rate of urinary system cancers (URI) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)



**Fig. 8** Relative incidence of urinary system cancers (URI) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)

## Group REM (larynx only)

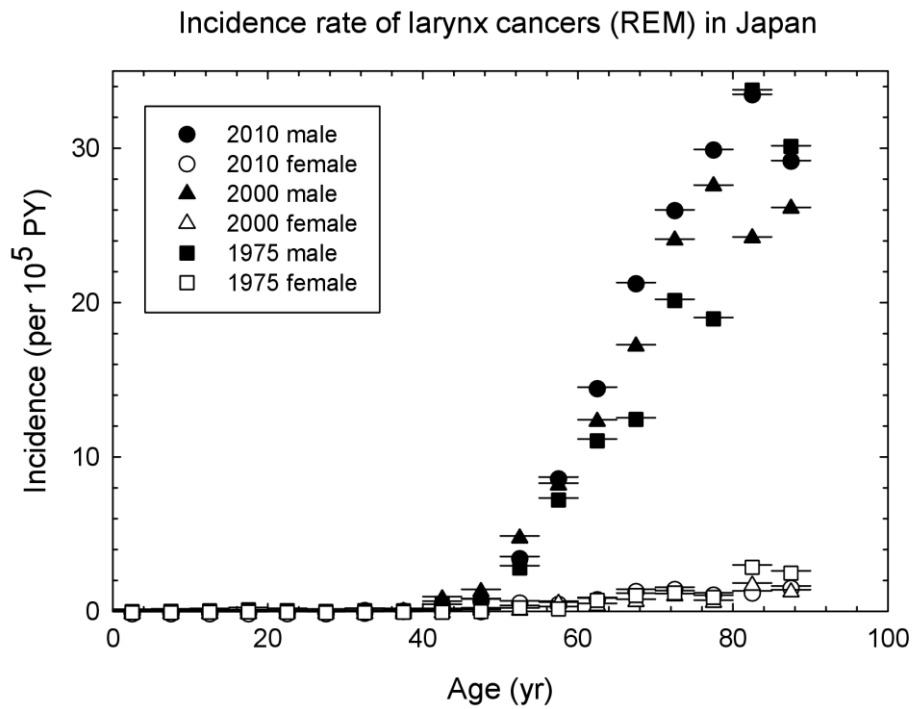


Fig. 9 Age-dependent incidence rate of larynx cancers (REM) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)

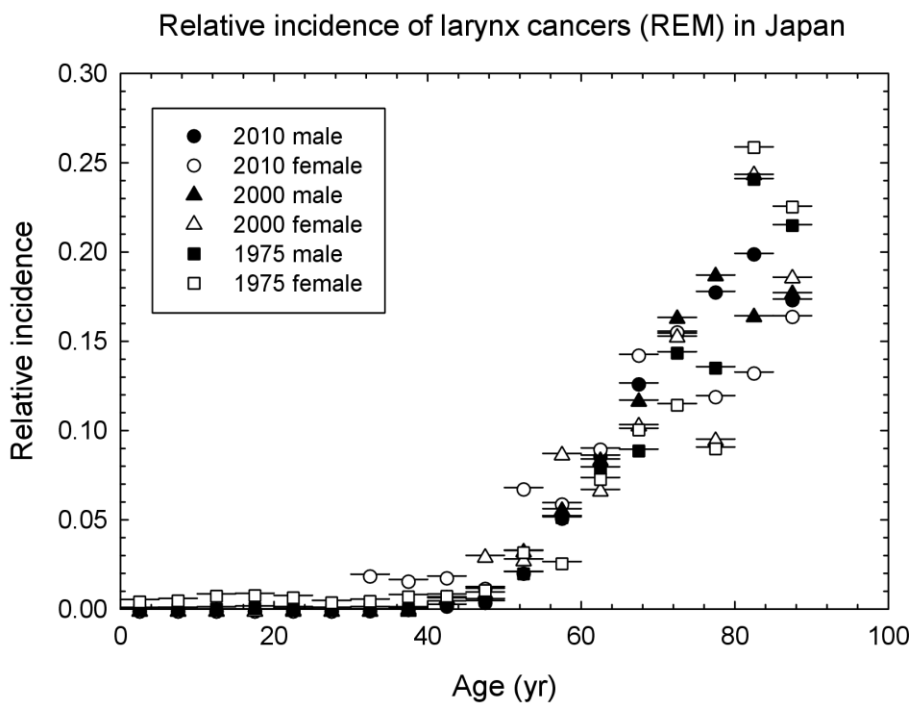
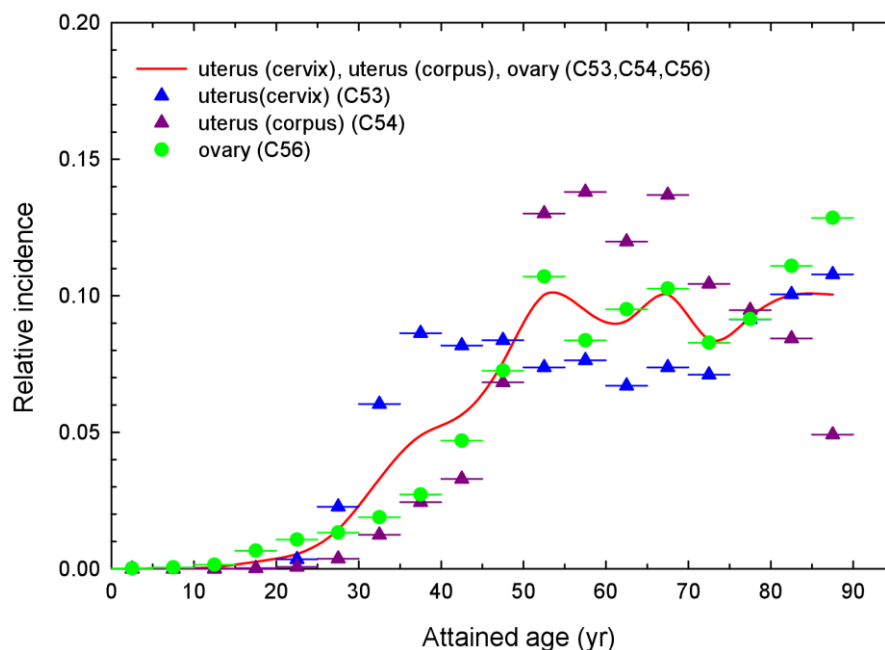


Fig. 10 Relative incidence of larynx cancers (REM) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)

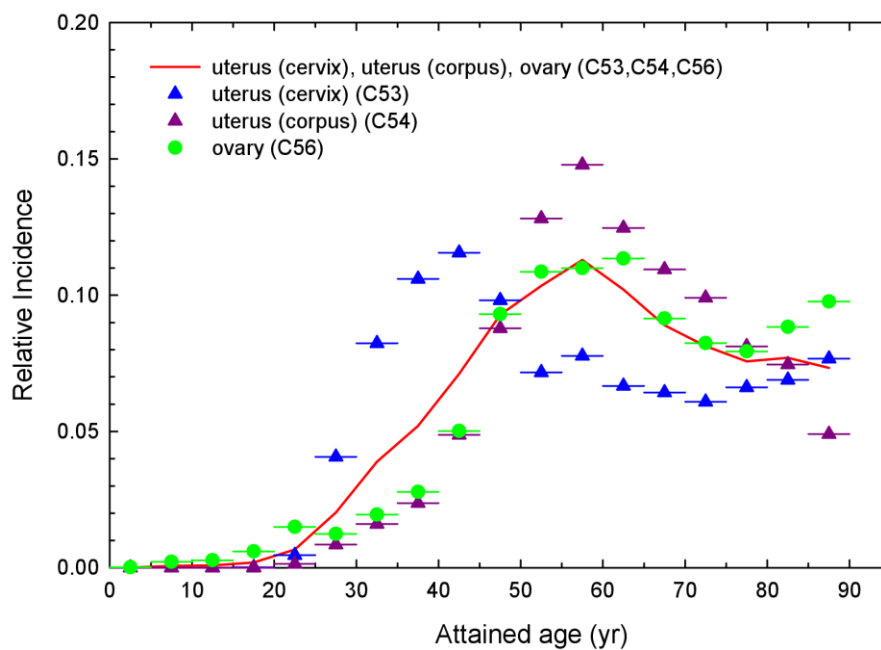
## Group GNF

Relative incidence of female genital organ cancers (GNF),  
Japan, 2000



**Fig. 11** Relative incidence of female genital organ cancers (GNF) in Japan in 2000

Relative incidence of female genital organ cancers (GNF),  
Japan, 2010



**Fig. 12** Relative incidence of female genital organ cancers (GNF) in Japan in 2010

## Group GNM (prostate)

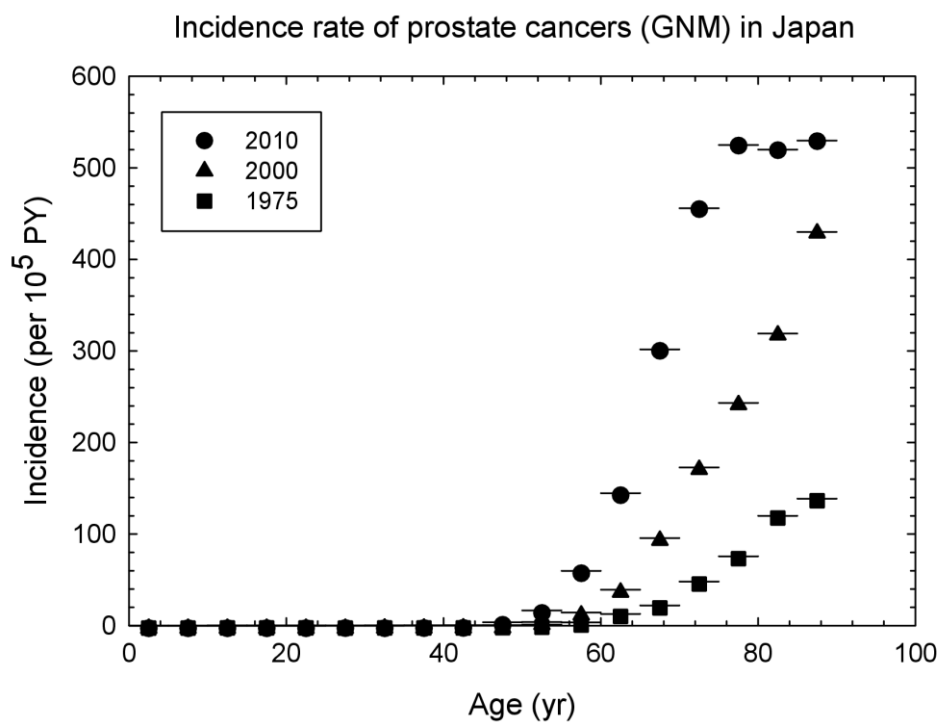


Fig. 13 Age-dependent incidence rate of prostate cancers (GNM) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles)

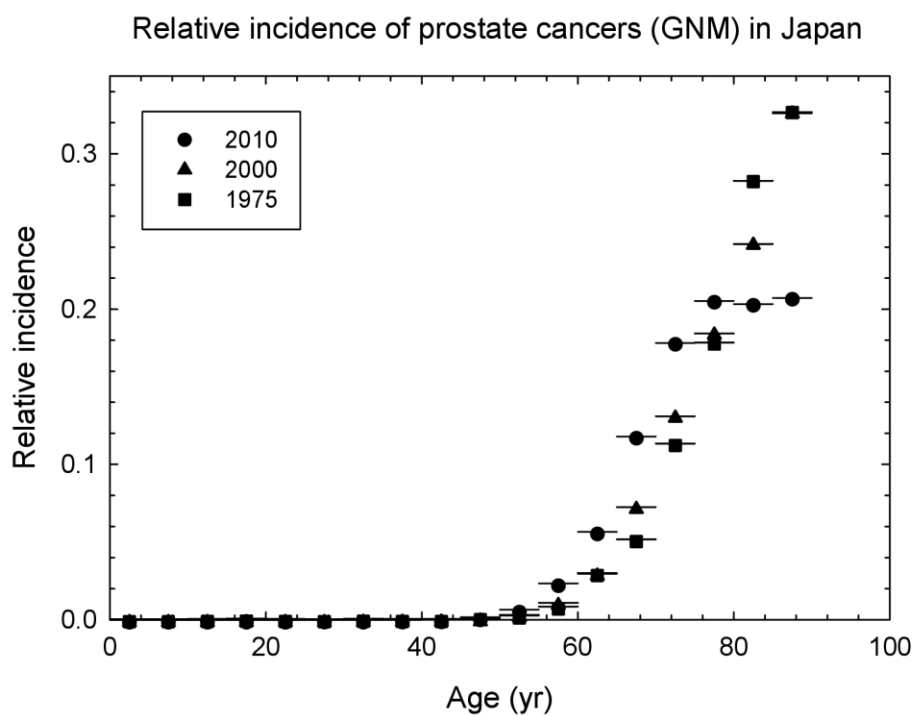


Fig. 14 Relative incidence of prostate cancers (GNM) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles)

## Group BCNS

Incidence rate of central nervous system cancers (BCNS)  
in Japan

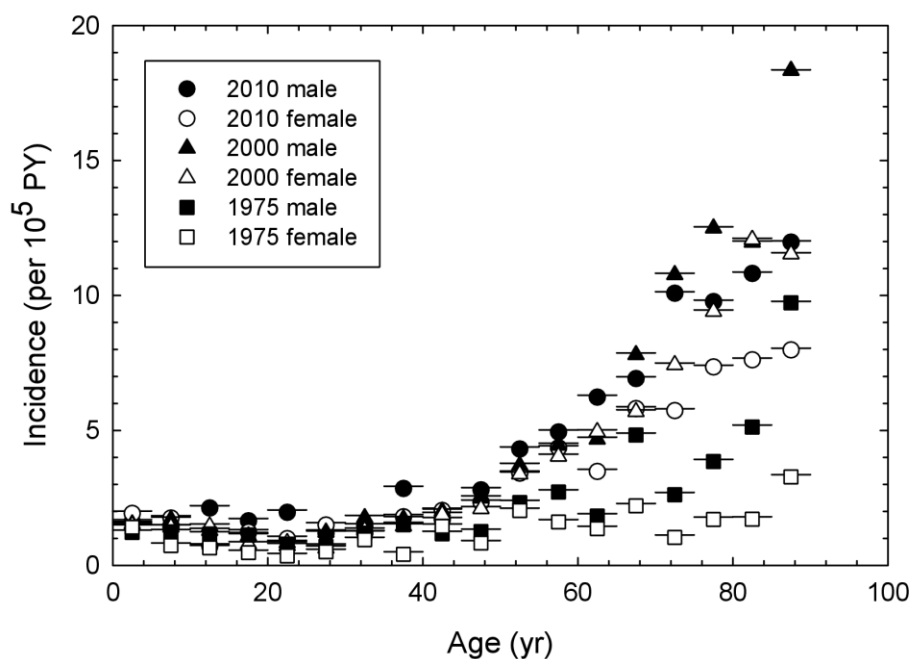


Fig. 15 Age-dependent incidence rate of central nervous system cancers (BCNS) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)

Relative incidence rate of central nervous cancers (BCNS)  
in Japan

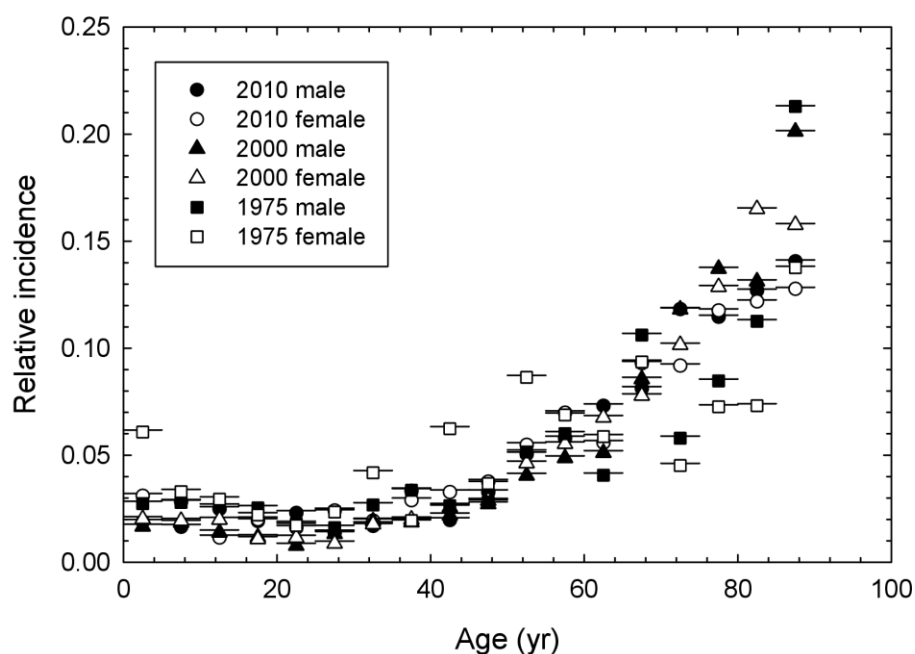


Fig. 16 Relative incidence of central nervous cancers (BCNS) in Japan in 1975 (squares), 2000 (triangles), 2010 (circles) for males (solid symbols) and females (open symbols)

