

Supplementary Table 1. Risk of overall cancer in the 15636 patients with pSS by sex and age

Age	Incidence (1/1000)	Person-years	Expected	Observed	SIR (95% CI)
Male (years)					
<20	0.144	44.3	0.01	0	0
20-39	0.592	769.4	0.46	2	4.3 (0.5-15.7)
40-59	3.821	2979.7	11.39	23	2.0 (1.3-3.0)
60-79	13.397	4267.5	57.17	63	1.1 (0.8-1.4)
≥80	19.715	1521.5	30.00	37	1.2 (0.9-1.7)
All		9582.4	99.02	125	1.3 (1.1-1.5)
Female (years)					
<20	0.125	339.6	0.04	0	0
20-39	0.820	9593.5	7.87	16	2.0 (1.2-3.3)
40-59	3.853	37851.7	145.83	224	1.5 (1.3-1.8)
60-79	8.539	26471.0	226.04	326	1.4 (1.3-1.6)
≥80	12.632	3382.4	42.73	50	1.2 (0.9-1.5)
All		77638.2	422.50	616	1.5 (1.3-1.6)
Total					
All		87220.6	521.52	741	1.4 (1.3-1.5)

pSS: primary Sjögren's syndrome; SIR: standardized incidence ratio;

CI: confidence interval.

Expected = Incidence x Person-years in each stratum, and then accumulated expected number of each stratum to get the total expected number.

Supplementary Table 2. Risk of NHL in the 15636 patients with pSS by sex and age

Age	Incidence (1/1000)	Person-years	Expected	Observed	SIR (95% CI)
Male (years)					
<20	0.0160	44.3	0	0	0
20-39	0.0276	769.4	0.02	1	50.0 (1.3-278.6)
40-59	0.0840	2979.7	0.25	1	4.0 (0.1-22.3)
60-79	0.2725	4267.5	1.16	4	3.4 (0.9-8.8)
≥80	0.4539	1521.5	0.69	1	1.4 (0.04-8.1)
All		9582.4	2.12	7	3.3 (1.3-6.8)
Female (years)					
<20	0.0100	339.6	0	0	0
20-39	0.0229	9593.5	0.22	4	18.2 (5.0-46.6)
40-59	0.0679	37851.7	2.57	12	4.7 (2.4-8.2)
60-79	0.1967	26471.0	5.21	25	4.8 (3.1-7.1)
≥80	0.2918	3382.4	0.99	3	3.0 (0.6-8.9)
All		77638.2	8.99	44	4.9 (3.6-6.6)
Total					
All		87220.6	11.11	51	4.6 (3.4-6.0)

pSS: Primary Sjögren's syndrome; NHL: non-Hodgkin's lymphoma;

CI: confidence interval.

Expected = Incidence x Person-years in each stratum, and then accumulated expected number of each stratum to get the total expected number.

Other expected number of specific cancer in Table 2 was calculated as this Table.