

**Table 1.** Prevalence of chronic kidney disease (CKD)<sup>a</sup> by age and sex

Age (years)	Males			Females		
	Number of CKD patients	Number of participants	Prevalence of CKD (%)	Number of CKD patients	Number of participants	Prevalence of CKD (%)
20-29	12	9807	0.12	23	10457	0.22
30-39	214	23193	0.92	188	20924	0.90
40-49	1449	36478	3.97	1340	51859	2.58
50-59	3820	51043	7.48	5502	80675	6.82
60-69	9288	58640	15.84	12936	87521	14.78
70-79	14041	50605	27.75	21437	67480	31.77
≥80	4834	10828	44.64	6694	14514	46.12
Total	33658	240594	13.99	48120	333430	14.43

<sup>a</sup>Defined as an estimated glomerular filtration rate <60 mL/min per 1.73 m<sup>2</sup>.  
Reproduced from [1].

**Table 2.** Example of using Table 1 (prevalence of CKD) to compare the local and national prevalences of CKD

Age (years)	Males					Females				
	Prevalence of CKD <sup>a</sup>	Number of participants <sup>b</sup>	Expected number of CKD patients <sup>c</sup>	Observed number of CKD patients <sup>d</sup>	SRR (95% CI)	Prevalence of CKD <sup>a</sup>	Number of participants <sup>e</sup>	Expected number of CKD patients <sup>f</sup>	Observed number of CKD patients <sup>d</sup>	SRR (95% CI)
20-29	0.12	82	0.1	0	NA	0.22	128	0.3	0	NA
30-39	0.92	142	1.3	0	NA	0.90	377	3.4	0	NA
40-49	3.97	175	6.9	4	0.58 (0.16, 1.48)	2.58	212	5.5	3	0.54 (0.11, 1.60)
50-59	7.48	405	30.3	18	0.59 (0.35, 0.94)	6.82	494	33.7	39	1.16 (0.82, 1.58)
60-69	15.84	1217	192.8	165	0.86 (0.73, 1.00)	14.78	1695	250.5	161	0.64 (0.55, 0.75)
70-79	27.75	1408	390.7	276	0.71 (0.63, 0.80)	31.77	1957	621.7	264	0.42 (0.38, 0.48)
≥80	44.64	511	228.1	132	0.58 (0.48, 0.69)	46.12	642	296.1	255	0.86 (0.76, 0.97)
Total	13.99	3942	850.2	595	0.70 (0.64, 0.76)	14.43	5506	1211.2	722	0.60 (0.55, 0.64)

NA; not available

Calculation of the standardized rate ratio (SRR) and 95% confidence interval (CI)

SRR: Observed/Expected

$$= 595/850.2$$

$$= 0.70 \text{ (Males)}$$

$$= 722/1211.2$$

$$= 0.60 \text{ (Females)}$$

95% CI:

Lower confidence limit:

$$= \frac{(\text{Observed})}{(\text{Expected})} \left( 1 - \frac{1}{9(\text{Observed})} - \frac{1.96}{3\sqrt{(\text{Observed})}} \right)^3$$

$$= \frac{595}{850.2} \left( 1 - \frac{1}{9 \times 595} - \frac{1.96}{3\sqrt{595}} \right)^3$$

$$= 0.64 \text{ (Males)}$$

$$= \frac{722}{1211.2} \left( 1 - \frac{1}{9 \times 722} - \frac{1.96}{3\sqrt{722}} \right)^3$$

$$= 0.55 \text{ (Females)}$$

Upper confidence limit:

$$= \frac{(\text{Observed} + 1)}{(\text{Expected})} \left( 1 - \frac{1}{9(\text{Observed} + 1)} + \frac{1.96}{3\sqrt{(\text{Observed} + 1)}} \right)^3$$

$$= \frac{595+1}{850.2} \left( 1 - \frac{1}{9 \times (595+1)} + \frac{1.96}{3\sqrt{(595+1)}} \right)^3$$

=0.76 (Males)

$$= \frac{722+1}{1211.2} \left( 1 - \frac{1}{9 \times (722+1)} + \frac{1.96}{3\sqrt{(722+1)}} \right)^3$$

=0.64 (Females)

<sup>a</sup> Percentage rates for the given age and sex subgroup from Table 1

<sup>b</sup> Enter the number of males having the local health check program stratified by age

<sup>c</sup> Calculated as (male prevalence of CKD) × (number of male participants) /100

<sup>d</sup> Enter the number of local CKD patients stratified by age

<sup>e</sup> Enter the number of females in the local health check program stratified by age

<sup>f</sup> Calculated as (female prevalence of CKD) × (number of female participants) /100

**Appendix 1.** Prevalence of chronic kidney disease (CKD)<sup>a</sup> by age and sex

Age (years)	Males			Females		
	Number of CKD patients	Number of participants	Prevalence of CKD (%)	Number of CKD patients	Number of participants	Prevalence of CKD (%)
20-29	7	9807	0.07	4	10457	0.04
30-39	27	23193	0.12	20	20924	0.10
40-49	159	36478	0.44	134	51859	0.26
50-59	611	51043	1.20	680	80675	0.84
60-69	2258	58640	3.85	2335	87521	2.67
70-79	4572	50605	9.03	5578	67480	8.27
≥80	1970	10828	18.19	3309	14514	22.80
Total	9604	240594	3.99	12060	333430	3.62

<sup>a</sup>Defined as an estimated glomerular filtration rate <50 mL/min per 1.73 m<sup>2</sup>.  
Reproduced from [1].

**Appendix 2.** Example of using Appendix 1 (prevalence of CKD<sup>a</sup>) to compare the local and national prevalences of CKD

Age (years)	Males					Females				
	Prevalence of CKD (%)	Number of participants	Expected number of CKD patients	Observed number of CKD patients	SRR (95% CI)	Prevalence of CKD (%)	Number of participants	Expected number of CKD patients	Observed number of CKD patients	SRR (95% CI)
20-29	0.07	82	0.1	0	NA	0.04	128	0.0	0	NA
30-39	0.12	142	0.2	0	NA	0.10	377	0.4	0	NA
40-49	0.44	175	0.8	0	NA	0.26	212	0.5	1	1.83 (0.05, 10.2)
50-59	1.20	405	4.8	10	2.06 (0.99, 3.79)	0.84	494	4.2	2	0.48 (0.06, 1.74)
60-69	3.85	1217	46.9	35	0.75 (0.52, 1.04)	2.67	1695	45.2	51	1.13 (0.84, 1.48)
70-79	9.03	1408	127.2	73	0.58 (0.45, 0.72)	8.27	1957	161.8	102	0.63 (0.51, 0.77)
≥80	18.19	511	93.0	77	0.83 (0.65, 1.04)	22.80	642	146.4	81	0.55 (0.44, 0.69)
Total	3.99	3942	272.9	195	0.71 (0.62, 0.82)	3.62	5506	358.5	237	0.66 (0.58, 0.75)

<sup>a</sup>Defined as an estimated glomerular filtration rate <50 mL/min per 1.73 m<sup>2</sup>.  
SRR; standardized rate ratio, CI; 95% confidence interval, NA; not available,