

## **Kidney Cancers**

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<b>Cancer of the kidney (ICD-O-3 C64)</b>											
<b>Maltese Islands: trends in incidence 2007-2017</b>											
Number of new cases, with age standardised incidence rates, by age and year of cancer registration											
<b>Males</b>											
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Under 5	0	1	0	0	0	1	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	1	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	2
25-29	0	2	0	1	0	0	0	0	1	1	0
30-34	0	0	0	0	2	0	0	0	0	1	0
35-39	0	1	0	0	1	2	1	2	0	0	2
40-44	0	1	1	0	1	1	2	2	1	1	2
45-49	2	3	1	3	0	2	1	2	2	3	4
50-54	1	3	3	4	4	4	6	3	3	3	4
55-59	3	7	6	4	4	6	4	5	5	10	6
60-64	2	6	6	2	10	3	5	7	7	9	8
65-69	1	1	5	3	4	8	7	12	12	2	10
70-74	5	6	4	4	6	7	2	4	5	15	6
75-79	3	2	3	4	4	6	1	3	4	6	7
80-84	2	1	2	2	3	0	3	1	4	2	5
85+	2	3	0	1	2	4	1	0	1	0	2
All Ages	21	37	31	28	41	45	33	41	45	53	58
<i>Rates per 100,000</i>											
Under 5	0.00	9.73	0.00	0.00	0.00	9.53	0.00	0.00	0.00	0.00	0.00
5-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10-14	0.00	0.00	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	0.00
15-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32
25-29	0.00	12.49	0.00	6.15	0.00	0.00	0.00	0.00	42.09	5.35	0.00
30-34	0.00	0.00	0.00	0.00	12.76	0.00	0.00	0.00	0.00	5.37	0.00
35-39	0.00	7.50	0.00	0.00	6.86	13.35	6.48	12.6	0.00	0.00	10.77
40-44	0.00	7.72	7.98	0.00	7.82	7.67	14.9	14.5	48.63	6.31	11.94
45-49	13.14	19.92	6.78	20.96	0.00	15.04	7.73	15.6	109.6	21.80	27.69
50-54	6.75	19.92	19.80	26.36	26.20	26.39	40.0	20.3	145.4	20.73	28.10
55-59	19.81	47.31	41.72	28.16	27.49	40.49	26.5	32.8	196.1	63.98	38.28
60-64	15.80	42.86	41.31	13.55	66.06	20.14	34.3	48.7	245.4	61.83	53.64
65-69	12.60	12.85	60.34	31.99	36.58	64.24	50.8	83.6	330.9	13.62	68.81
70-74	73.31	84.63	54.38	53.16	80.40	97.55	27.8	50.9	167.4	145.3	51.01
75-79	65.86	42.32	61.51	78.45	73.58	104.17	16.5	47.5	123.6	92.72	111.02
80-84	68.45	33.49	66.47	65.55	94.97	0.00	88.3	27.8	105.1	91.98	111.71
85+	116.41	166.85	0.00	50.13	91.91	446.43	43.2	0.00	39.65	0.00	71.56
Crude rate	10.33	18.05	15.79	13.53	19.78	21.55	15.6	19.2	20.87	23.14	24.56
- lower 95% CI	6.56	12.89	10.91	9.16	14.38	15.90	10.9	13.9	15.36	17.50	18.24
- upper 95% CI	16.08	25.16	22.71	19.84	27.11	29.11	22.2	26.3	28.12	30.51	30.88
EASR *	9.24	16.39	12.93	11.71	15.92	21.25	12.6	14.9	15.54	18.78	19.67
- lower 95% CI	8.84	15.85	12.47	11.27	15.43	20.85	12.2	14.4	15.08	18.26	19.15
- upper 95% CI	9.64	16.93	13.39	12.15	16.42	21.84	13.1	15.4	16.01	19.29	20.19
WASR **	5.98	12.38	9.04	8.12	11.07	13.68	9.10	11.0	11.09	13.21	14.20
- lower 95% CI	5.72	11.94	8.72	7.81	10.73	13.22	8.77	10.6	10.75	12.84	13.81
- upper 95% CI	6.24	12.82	9.37	8.43	11.42	14.13	9.42	11.3	11.43	13.58	14.59
* EASR = Age-standardised rates using European Standard Population/ 100,000 population											
** WASR = Age-standardised rates using World Standard Population/ 100,000 population											
Source: Malta National Cancer Registry, Department of Health Information, Malta											
Data extracted August 2019											

<b>Cancer of the kidney (ICD-O-3 C64)</b>											
<b>Maltese Islands: trends in incidence 2007-2017</b>											
Number of new cases, with age standardised incidence rates, by age and year of cancer registration											
<b>Females</b>											
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Under 5	0	0	0	2	0	0	2	0	0	1	1
5-9	0	0	0	0	1	0	0	1	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	1	0	0	0	0	0	0	0	0
30-34	0	0	0	0	1	0	0	0	0	0	1
35-39	0	1	0	0	1	2	1	0	0	0	0
40-44	1	0	0	1	1	0	0	0	0	0	1
45-49	0	1	4	2	1	3	1	2	2	1	0
50-54	2	1	4	2	1	1	3	1	2	3	2
55-59	5	1	4	1	1	4	5	4	1	1	2
60-64	2	3	3	3	4	4	4	4	2	4	3
65-69	4	2	2	3	0	5	4	6	4	5	7
70-74	1	1	1	5	5	3	2	5	5	6	5
75-79	1	0	1	2	2	2	2	1	3	2	2
80-84	0	1	3	1	0	2	5	0	0	3	3
85+	1	1	1	0	2	2	0	1	1	1	1
All Ages	17	12	24	22	20	28	29	25	20	27	28
<i>Rates per 100,000</i>											
Under 5	0.00	0.00	0.00	20.44	0.00	0.00	19.89	0.00	0.00	9.27	9.14
5-9	0.00	0.00	0.00	0.00	10.55	0.00	0.00	10.48	0.00	0.00	0.00
10-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25-29	0.00	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30-34	0.00	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00	0.00	5.68
35-39	0.00	7.93	0.00	0.00	7.23	14.14	6.94	0.00	0.00	0.00	0.00
40-44	7.79	0.00	0.00	8.25	8.10	0.00	0.00	0.00	0.00	0.00	6.44
45-49	0.00	6.76	27.92	14.46	7.39	22.96	7.86	16.03	16.21	7.70	0.00
50-54	13.72	6.77	26.78	13.26	6.52	6.58	20.08	6.86	14.13	21.37	14.55
55-59	32.93	6.75	27.55	6.93	6.89	27.24	33.55	26.43	6.53	6.39	12.82
60-64	14.98	20.40	19.77	19.61	25.81	26.31	26.99	27.47	13.89	27.45	20.24
65-69	44.18	22.56	21.35	28.75	0.00	37.34	27.15	39.36	26.11	32.56	46.41
70-74	11.48	11.30	11.14	54.99	56.25	35.21	23.71	55.03	49.38	55.08	38.51
75-79	14.70	0.00	13.64	26.63	26.07	25.54	25.12	12.29	36.37	24.43	25.27
80-84	0.00	20.77	61.78	20.09	0.00	36.69	87.47	0.00	0.00	47.39	45.95
85+	30.15	28.53	26.84	0.00	46.97	45.13	0.00	20.77	19.85	18.64	17.57
Crude rate	8.26	5.80	12.03	10.52	9.55	13.29	13.66	11.72	3.71	11.93	12.07
- lower 95% CI	4.97	3.14	7.88	6.76	5.99	9.00	9.32	7.75	1.72	8.02	7.60
- upper 95% CI	13.53	10.44	18.20	16.22	15.04	19.49	19.90	17.58	7.62	17.62	16.55
EASR *	6.94	4.66	9.28	9.08	7.65	9.89	10.57	8.97	6.66	8.64	8.53
- lower 95% CI	6.60	4.39	8.90	8.68	7.29	9.51	10.15	8.60	6.35	8.28	8.19
- upper 95% CI	7.27	4.93	9.67	9.49	8.00	10.27	10.99	9.34	6.97	8.99	8.87
WASR **	4.92	3.46	6.88	7.87	6.08	7.19	8.68	7.02	4.73	6.65	6.61
- lower 95% CI	4.68	3.25	6.59	7.45	5.76	6.90	8.26	6.69	4.50	6.33	6.30
- upper 95% CI	5.16	3.66	7.18	8.29	6.40	7.47	9.10	7.34	4.96	6.97	6.92
* EASR = Age-standardised rates using European Standard Population/ 100,000 population											
** WASR = Age-standardised rates using World Standard Population/ 100,000 population											
Source: Malta National Cancer Registry, Department of Health Information, Malta											
Data extracted August 2019											

<b>Cancer of the kidney (ICD-10 C64)</b>											
<b>Residents of the Maltese Islands: trends in mortality 2007-2017</b>											
Number of deaths attributed to kidney cancer, with age standardised mortality rates, by age and year of death											
<b>Males</b>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Under 5	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	1	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	1	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	1	0	0	0	0	0	0
35-39	0	0	0	0	0	0	1	0	1	0	0
40-44	0	0	1	0	0	0	0	0	0	0	0
45-49	0	1	0	1	0	0	1	1	0	1	0
50-54	1	0	2	1	1	0	0	2	0	0	1
55-59	1	2	1	0	1	0	2	3	1	1	0
60-64	1	4	3	3	2	0	1	1	3	2	3
65-69	2	0	1	1	0	0	3	3	4	4	2
70-74	2	3	1	1	2	1	2	3	1	4	1
75-79	4	2	1	0	2	3	1	1	2	0	1
80-84	2	2	2	1	1	3	3	2	1	2	3
85+	2	2	1	0	2	1	4	0	1	1	0
All Ages	15	16	13	8	12	8	18	17	14	16	11
<i>Rates per 100,000</i>											
Under 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.00	0.00	0.00
10-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.16	0.00
20-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30-34	0.00	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00
35-39	0.00	0.00	0.00	0.00	0.00	0.00	6.48	0.00	6.25	0.00	0.00
40-44	0.00	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45-49	0.00	6.64	0.00	6.99	0.00	0.00	7.73	7.83	0.00	7.27	0.00
50-54	6.75	0.00	13.20	6.59	6.55	0.00	0.00	13.5	0.00	0.00	7.03
55-59	6.60	13.52	6.95	0.00	6.87	0.00	13.28	19.7	6.54	6.40	0.00
60-64	7.90	28.57	20.65	20.32	13.22	0.00	6.86	6.97	21.0	13.7	20.12
65-69	25.20	0.00	12.07	10.66	0.00	0.00	21.79	20.9	27.5	27.2	13.76
70-74	29.33	42.31	13.59	13.29	26.82	13.94	27.89	38.2	11.1	38.7	8.50
75-79	87.82	42.32	20.50	0.00	36.79	52.08	16.58	15.8	30.9	0.00	15.86
80-84	68.45	66.98	66.47	32.78	31.77	92.76	88.31	55.5	26.2	48.3	67.02
85+	116.41	111.23	53.56	0.00	92.81	44.64	172.2	0.00	39.5	37.6	0.00
Crude rate	7.38	7.8	6.32	3.87	5.80	3.83	8.52	7.96	6.48	6.99	4.66
- lower 95% CI	4.28	4.62	3.52	1.80	3.14	1.78	5.21	4.79	3.69	4.13	2.45
- upper 95% CI	12.48	12.98	11.12	7.95	10.44	7.88	13.76	13.0	11.1	11.6	8.61
EASR *	6.76	6.6	5.43	3.12	4.77	2.83	6.78	6.56	4.60	5.26	3.29
- lower 95% CI	6.41	6.27	5.13	2.80	4.49	2.64	6.46	6.24	4.35	4.99	3.09
- upper 95% CI	7.10	6.93	5.73	3.34	5.04	3.03	7.10	6.88	4.84	5.53	3.49
WASR **	4.06	4.24	3.68	2.31	3.04	1.49	4.34	5.01	3.17	4.00	2.23
- lower 95% CI	3.85	4.03	3.47	2.15	2.87	1.38	4.13	4.73	2.99	3.77	2.09
- upper 95% CI	4.27	4.45	3.89	2.48	3.22	1.59	4.55	5.29	3.34	4.22	2.37
* EASR = Age-standardised rates using European Standard Population/ 100,000											
** WASR = Age-standardised rates using World Standard Population/ 100,000 population											
Source: National Mortality Registry, Department of Health Information, Malta											
Data extracted August 2019											

<b>Cancer of the kidney (ICD-10 C64)</b>											
<b>Residents of the Maltese Islands: trends in mortality 2007-2016</b>											
Number of deaths attributed to kidney cancer, with age standardised mortality rates, by age and year of death											
<b>Females</b>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Under 5	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0	0
50-54	0	2	0	0	0	0	0	0	2	0	0
55-59	1	1	2	0	1	0	0	0	1	0	1
60-64	1	3	0	1	3	1	1	0	0	1	0
65-69	2	3	0	1	0	1	1	2	4	3	0
70-74	1	0	1	1	2	2	0	1	0	1	3
75-79	1	0	1	1	0	1	3	0	1	1	1
80-84	0	0	1	3	1	1	4	1	1	4	3
85+	1	1	1	0	2	2	0	2	0	0	0
All Ages	7	10	6	7	9	8	9	6	9	10	8
<i>Rates per 100,000</i>											
Under 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35-39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40-44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45-49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50-54	0.00	13.53	0.00	0.00	0.00	0.00	0.00	0.00	14.1	0.00	0.00
55-59	6.59	6.75	13.77	0.00	6.89	0.00	0.00	0.00	6.53	0.00	6.41
60-64	7.49	20.40	0.00	6.54	19.36	6.58	6.75	0.00	0.00	6.86	0.00
65-69	22.09	33.84	0.00	9.58	0.00	7.47	6.79	13.1	26.1	19.5	0.00
70-74	11.48	0.00	11.14	11.00	22.52	23.47	0.00	11.0	0.00	8.74	23.11
75-79	14.70	0.00	13.64	13.31	0.00	12.77	37.6	0.00	12.1	12.2	12.64
80-84	0.00	0.00	20.59	60.28	19.17	18.35	69.9	16.7	16.3	63.1	45.95
85+	30.15	28.53	26.84	0.00	47.35	45.13	0.00	41.4	0.00	0.00	0.00
Crude rate	3.40	4.83	2.89	3.35	4.30	3.80	4.24	2.81	4.17	4.42	3.45
- lower 95% CI	1.49	2.46	1.17	1.47	2.10	1.77	2.07	1.14	2.04	2.25	1.60
- upper 95% CI	7.35	9.21	6.63	7.23	8.49	7.81	8.37	6.44	8.23	8.42	7.09
EASR *	2.59	4.01	1.91	1.91	2.72	2.22	2.06	1.44	2.83	2.26	1.79
- lower 95% CI	2.40	3.76	1.75	1.76	2.54	2.06	1.92	1.32	2.63	2.12	1.66
- upper 95% CI	2.79	4.26	2.06	2.06	2.90	2.38	2.20	1.56	3.03	2.41	1.92
WASR **	1.75	2.92	1.15	1.20	1.83	1.40	1.20	0.91	1.95	1.47	1.07
- lower 95% CI	1.62	2.74	1.05	1.11	1.71	1.30	1.11	0.83	1.82	1.37	0.99
- upper 95% CI	1.89	3.11	1.24	1.30	1.96	1.51	1.29	0.98	2.09	1.57	1.16
* EASR = Age-standardised rates using European Standard Population/ 100,000											
** WASR = Age-standardised rates using World Standard Population/ 100,000 population											
Source: National Mortality Registry, Department of Health Information, Malta											
Data extracted August 2019											