

# Incidence and mortality rates for the top 10 cancer in Taiwan, 2016

( ranked by age-adjusted rate<sup>3</sup>)

## Top 10 cancer incidence rates per 100,000 in 2016 (only invasive cancers)

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C50	Female breast	12,672	107.20 <sup>7a</sup>	67.60	72.99
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	15,374	65.31	36.43	41.29
3	C33-C34	Trachea, bronchus and lung	13,488	57.30	31.81	35.99
4	C61	Prostate gland	5,359	45.73 <sup>7b</sup>	25.30	30.05
5	C22	Liver and intrahepatic bile ducts	11,075	47.05	26.57	29.90
6	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,805	33.16	20.88	22.48
		Oral cavity	5,116	21.73	13.76	14.86
		Oropharynx	1,591	6.76	4.23	4.53
		Hypopharynx	1,098	4.66	2.89	3.09
7	C54	Corpus uteri	2,462	20.83 <sup>7a</sup>	12.99	14.00
8	C73	Thyroid gland	3,679	15.63	11.05	12.01
9	C16	Stomach	3,658	15.54	8.22	9.46
10	C44 <sup>5</sup>	Skin	3,627	15.41	7.81	9.27
	C00-C80	All cancer sites	105,832	449.59	266.56	296.72

## Top 10 cancer incidence rates per 100,000 in 2016 (carcinoma in situ and invasive cancers)<sup>6</sup>

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C50	Female breast	15,018	127.05 <sup>7a</sup>	80.58	86.74
	C50	Carcinoma in situ of the female breast	2,346	19.85 <sup>7a</sup>	13.75	12.98
	C50	Invasive carcinoma of the female breast	12,672	107.20 <sup>7a</sup>	67.60	72.99
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	19,279	81.90	46.17	51.94
3	C33-C34	Trachea, bronchus and lung	13,821	58.71	32.70	36.95
4	C61	Prostate gland	5,391	46.00 <sup>7b</sup>	25.46	30.23
5	C22	Liver and intrahepatic bile ducts	11,081	47.07	26.59	29.92
6	C53	Cervix uteri	4,252	35.97 <sup>7a</sup>	24.65	27.48
	C53	Cervical carcinoma in situ	2,820	23.86 <sup>7a</sup>	19.34	17.32
	C53	Invasive cervical carcinoma	1,432	12.11 <sup>7a</sup>	7.33	8.13
7	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,897	33.55	21.12	22.74
		Oral cavity	5,170	21.96	13.90	15.01
		Oropharynx	1,617	6.87	4.30	4.62
		Hypopharynx	1,110	4.72	2.92	3.12
8	C54	Corpus uteri	2,528	21.39 <sup>7a</sup>	13.39	14.44
9	C44 <sup>5</sup>	Skin	3,679	15.63	11.05	12.01
10	C73	Thyroid gland	4,041	17.17	8.68	10.33
	C00-C80	All Cancer sites	117,504	499.17	297.89	331.21

## Top 10 cancer mortality rates per 100,000 in 2016

Rank	ICD-10	Cancer site	Number of Cases	Crude Mortality rate	Age-adjusted mortality rate <sup>2</sup>	Age-adjusted mortality rate <sup>3</sup>
1	C33-C34	Trachea, bronchus and lung	9,372	39.81	20.38	24.02
2	C22	Liver and intrahepatic bile ducts	8,353	35.48	18.93	21.92
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	5,722	24.31	12.18	14.45
4	C50	Female breast	2,176	18.41 <sup>7a</sup>	10.66	11.68
5	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	2,936	12.47	7.53	8.20
6	C61	Prostate gland	1,347	11.49 <sup>7b</sup>	5.11	6.73
7	C16	Stomach	2,315	9.83	4.88	5.76
8	C25	Pancreas	1,996	8.48	4.49	5.19
9	C15	Esophagus	1,731	7.35	4.34	4.75
10	C56·C57.0-C57.4	Ovary, fallopian tube and broad ligament	656	5.55 <sup>7a</sup>	3.18	3.52
	C00-C97	All Cancer sites	477,60	202.89	108.21	125.16

### FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site.

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Codes corresponding with oral cavity, oropharynx and hypopharynx include ICD-O-3 : C00-C06 \ C09-C10 \ C12-14 ; ICD 9 : 140-141 \ 143-146 \ 148-149.

5. Basal cell is included in skin cancer.

6. Carcinoma in situ represents the fifth digit of morphology code is "2".

7. (a) Incidence rate and mortality rates per 100,000 for female; (b) Incidence and mortality rates per 100,000 for male.

# Incidence and mortality rates for the top 10 cancer among males in Taiwan, 2016 (ranked by age-adjusted rate<sup>3</sup>)

## Top 10 cancer incidence rates per 100,000 among males in 2016 (only invasive cancers)

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C18-C21	Colon, rectum, rectosigmoid junction and anus	8,706	74.29	43.66	49.34
2	C22	Liver and intrahepatic bile ducts	7,680	65.53	39.56	44.04
3	C33-C34	Trachea, bronchus and lung	7,661	65.37	37.62	43.23
4	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,144	60.96	39.48	42.43
		Oral cavity	4,622	39.44	25.72	27.69
		Oropharynx	1,453	12.40	7.97	8.54
		Hypopharynx	1,069	9.12	5.79	6.20
5	C61	Prostate gland	5,359	45.73	25.30	30.05
6	C15	Esophagus	2,431	20.74	13.03	14.07
7	C16	Stomach	2,306	19.68	10.94	12.63
8	C44 <sup>5</sup>	Skin	1,982	16.91	9.16	10.91
9	C67	Bladder	1,600	13.65	7.56	8.80
10	LEU	Leukemia	1,252	10.68	7.93	8.45
	C00-C80	All cancer sites	56,854	485.13	294.30	330.03

## Top 10 cancer incidence rates per 100,000 among males in 2016 (carcinoma in situ and invasive cancers)<sup>6</sup>

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C18-C21	Colon, rectum, rectosigmoid junction and anus	11,273	96.19	57.05	63.99
2	C22	Liver and intrahepatic bile ducts	7,684	65.57	39.58	44.06
3	C33-C34	Trachea, bronchus and lung	7,767	66.28	38.20	43.86
4	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,226	61.66	39.93	42.92
		Oral cavity	4,667	39.82	25.96	27.95
		Oropharynx	1,478	12.61	8.12	8.70
		Hypopharynx	1,081	9.22	5.85	6.26
5	C61	Prostate gland	5,391	46.00	25.46	30.23
6	C15	Esophagus	2,542	21.69	13.64	14.72
7	C16	Stomach	2,342	19.98	11.10	12.82
8	C67	Bladder	2,277	19.43	10.85	12.60
9	C44 <sup>5</sup>	Skin	2,195	18.73	10.14	12.09
10	LEU	Leukemia	1,252	10.68	7.93	8.45
	C00-C80	All cancer sites	60,911	519.75	315.11	353.13

## Top 10 cancer mortality rates per 100,000 among males in 2016

Rank	ICD-10	Cancer site	Number of Cases	Crude Mortality rate	Age-adjusted mortality rate <sup>2</sup>	Age-adjusted mortality rate <sup>3</sup>
1	C33-C34	Trachea, bronchus and lung	5,961	50.86	27.55	32.82
2	C22	Liver and intrahepatic bile ducts	5,619	47.95	27.80	31.71
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	3,288	28.06	15.14	17.91
4	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	2,700	23.04	14.48	15.71
5	C15	Esophagus	1,620	13.82	8.45	9.27
6	C16	Stomach	1,421	12.13	6.38	7.55
7	C61	Prostate gland	1,347	11.49	5.11	6.73
8	C25	Pancreas	1,107	9.45	5.44	6.20
9	C82-C85	Non-Hodgkin lymphoma	691	5.90	3.23	3.83
10	C91-C95	Leukemia	625	5.33	3.24	3.71
	C00-C97	All cancer sites	29,215	249.29	140.85	162.97

### FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site.

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Codes corresponding with oral cavity, oropharynx and hypopharynx include ICD-O-3 : C00-C06、C09-C10、C12-14 ; ICD 9 : 140-141、143-146、148-149.

5. Basal cell is included in skin cancer.

6. Carcinoma in situ represents the fifth digit of morphology code is "2".

# Incidence and mortality rates for the top 10 cancer among females in Taiwan, 2016 ( ranked by age-adjusted rate<sup>3</sup>)

## Top 10 cancer incidence rates per 100,000 among females in 2016 (only invasive cancers)

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C50	Female breast	12,672	107.20	67.60	72.99
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	6,668	56.41	29.88	34.06
3	C33-C34	Trachea, bronchus and lung	5,827	49.30	26.85	29.89
4	C73	Thyroid gland	2,780	23.52	16.68	18.06
5	C22	Liver and intrahepatic bile ducts	3,395	28.72	14.46	16.78
6	C54	Corpus uteri	2,462	20.83	12.99	14.00
7	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	1,507	12.75	8.53	9.18
8	C53	Cervix uteri	1,432	12.11	7.33	8.13
9	C44 <sup>4</sup>	Skin	1,645	13.92	6.60	7.83
10	C16	Stomach	1,352	11.44	5.79	6.67
	C00-C80	All cancer sites	48,978	414.35	243.2	269.05

## Top 10 cancer incidence rates per 100,000 among females in 2016 (carcinoma in situ and invasive cancers)<sup>5</sup>

Rank	ICD-O-3	Cancer site	Number of Cases	Crude Incidence rate	Age-adjusted incidence rate <sup>2</sup>	Age-adjusted incidence rate <sup>3</sup>
1	C50	Female breast	15,018	127.05	80.58	86.74
	C50	Carcinoma in situ of the female breast	2,346	19.85	13.75	12.98
	C50	Invasive carcinoma of the female breast	12,672	107.20	67.60	72.99
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	8,006	67.73	36.26	41.06
3	C33-C34	Trachea, bronchus and lung	6,054	51.22	28.03	31.17
4	C53	Cervix uteri	4,252	35.97	24.65	27.48
	C53	Cervical carcinoma in situ	2,820	23.86	19.34	17.32
	C53	Invasive cervical carcinoma	1,432	12.11	7.33	8.13
5	C73	Thyroid gland	2,780	23.52	16.68	18.06
6	C22	Liver and intrahepatic bile ducts	3,397	28.74	14.47	16.80
7	C54	Corpus uteri	2,528	21.39	13.39	14.44
8	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	1,527	12.92	8.65	9.31
9	C44 <sup>4</sup>	Skin	1,846	15.62	7.39	8.78
10	C16	Stomach	1,376	11.64	5.88	6.78
	C00-C80	All cancer sites	56,593	478.77	285.05	314.99

## Top 10 cancer mortality rates per 100,000 among females in 2016

Rank	ICD-9	Cancer site	Number of Cases	Crude Mortality rate	Age-adjusted mortality rate <sup>2</sup>	Age-adjusted mortality rate <sup>3</sup>
1	C33-C34	Trachea, bronchus and lung	3,411	28.86	14.11	16.45
2	C22	Liver and intrahepatic bile ducts	2,734	23.13	10.74	12.95
3	C50	Female breast	2,176	18.41	10.66	11.68
4	C18-C21	Colon, rectum, rectosigmoid junction and anus	2,434	20.59	9.54	11.40
5	C25	Pancreas	889	7.52	3.61	4.25
6	C16	Stomach	894	7.56	3.57	4.21
7	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	656	5.55	3.18	3.52
8	C53	Cervix uteri	634	5.36	2.84	3.26
9	C91-C95	Leukemia	469	3.97	2.40	2.67
10	C82-C85	Non-Hodgkin lymphoma	480	4.06	1.97	2.35
	C00-C97	All cancer sites	18,545	156.89	78.76	91.48

### FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site.

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Basal cell is included in skin cancer.

5. Carcinoma in situ represents the fifth digit of morphology code is "2".