

# Incidence and mortality rates for the top 10 cancer in Taiwan, 2019

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

## Top 10 cancer incidence rates per 100,000 in 2019 (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	14,856	124.86 <sup>7a</sup>	74.84 <sup>7a</sup>	80.99 <sup>7a</sup>
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	17,302	73.30	38.09	42.94
3	C33-C34	Trachea, bronchus and lung	16,233	68.77	35.37	39.77
4	C61	Prostate gland	7,115	60.79 <sup>7b</sup>	30.22 <sup>7b</sup>	35.83 <sup>7b</sup>
5	C22	Liver and intrahepatic bile ducts	11,272	47.76	24.62	27.66
6	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	8,204	34.76	20.61	22.14
		Oral cavity	5,340	22.62	13.50	14.53
		Oropharynx	1,649	6.99	4.13	4.41
		Hypopharynx	1,215	5.15	2.97	3.20
7	C54	Corpus uteri	3,124	26.26 <sup>7a</sup>	15.81 <sup>7a</sup>	17.00 <sup>7a</sup>
8	C73	Thyroid gland	4,850	20.55	14.25	15.46
9	C44 <sup>5</sup>	Skin	4,442	18.82	8.47	10.14
10	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	1,677	14.09 <sup>7a</sup>	9.16 <sup>7a</sup>	9.86 <sup>7a</sup>
	C00-C80	All cancer sites	121,254	513.72	284.28	315.86

## Top 10 cancer incidence rates per 100,000 in 2019 (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	17,710	148.85 <sup>7a</sup>	89.91 <sup>7a</sup>	96.95 <sup>7a</sup>
	C50	Carcinoma in situ of the female breast	2,854	23.99 <sup>7a</sup>	15.07 <sup>7a</sup>	15.96 <sup>7a</sup>
	C50	Invasive carcinoma of the female breast	14,856	124.86 <sup>7a</sup>	74.84 <sup>7a</sup>	80.99 <sup>7a</sup>
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	22,457	95.14	50.15	56.05
3	C33-C34	Trachea, bronchus and lung	16,985	71.96	37.36	41.90
4	C61	Prostate gland	7,137	60.97 <sup>7b</sup>	30.31 <sup>7b</sup>	35.94 <sup>7b</sup>
5	C53	Cervix uteri	4,507	37.88 <sup>7a</sup>	26.01 <sup>7a</sup>	29.07 <sup>7a</sup>
	C53	Cervical carcinoma in situ	3,114	26.17 <sup>7a</sup>	19.13 <sup>7a</sup>	21.41 <sup>7a</sup>
	C53	Invasive cervical carcinoma	1,433	12.07 <sup>7a</sup>	7.06 <sup>7a</sup>	7.85 <sup>7a</sup>
6	C22	Liver and intrahepatic bile ducts	11,276	47.77	24.63	27.67
7	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	8,364	35.44	21.01	22.57
		Oral cavity	5,454	23.11	13.79	14.84
		Oropharynx	1,671	7.08	4.18	4.46
		Hypopharynx	1,239	5.25	3.03	3.26
8	C54	Corpus uteri	3,325	27.95 <sup>7a</sup>	17.07 <sup>7a</sup>	18.41 <sup>7a</sup>
9	C73	Thyroid gland	4,850	20.55	14.25	15.46
10	C44 <sup>5</sup>	Skin	4,966	21.04	9.46	11.32
	C00-C80	All Cancer sites	136,064	576.47	322.17	357.42

## Top 10 cancer mortality rates per 100,000 in 2019

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	9,701	41.10	19.19	22.47
2	C22	Liver and intrahepatic bile ducts	7,881	33.39	16.01	18.55
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	6,436	27.27	12.44	14.72
4	C50	Female breast	2,633	22.13 <sup>7a</sup>	11.77 <sup>7a</sup>	12.98 <sup>7a</sup>
5	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	3,425	14.51	8.12	8.86
6	C61	Prostate gland	1,538	13.14 <sup>7b</sup>	5.42 <sup>7b</sup>	7.01 <sup>7b</sup>
7	C25	Pancreas	2,497	10.58	5.04	5.84
8	C16	Stomach	2,379	10.08	4.57	5.40
9	C15	Esophagus	1,983	8.40	4.62	5.02
10	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	683	5.74 <sup>7a</sup>	3.11 <sup>7a</sup>	3.42 <sup>7a</sup>
	C00-C97	All Cancer sites	50,232	212.82	103.75	119.69

### 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, 2019 (ranked by age-adjusted rate<sup>3</sup>)

## Top 10 cancer incidence rates per 100,000 among males in 2019 (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	9,893	84.52	46.40	52.26
2	C33-C34	Trachea, bronchus and lung	8,847	75.58	40.09	45.61
3	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,468	63.80	38.95	41.82
		Oral cavity	4,776	40.80	25.14	27.01
		Oropharynx	1,516	12.95	7.85	8.40
		Hypopharynx	1,167	10.05	5.95	6.41
4	C22	Liver and intrahepatic bile ducts	7,757	66.27	36.89	40.95
5	C61	Prostate gland	7,115	60.79	30.22	35.83
6	C15	Esophagus	2,639	22.55	13.18	14.18
7	C16	Stomach	2,389	20.41	10.56	12.14
8	C44 <sup>5</sup>	Skin	2,356	20.13	9.85	11.81
9	LEU	Leukemia	1,529	13.06	9.13	9.70
10	NHL	Non-Hodgkin lymphoma	1,602	13.69	8.09	9.05
	C00-C80	All cancer sites	64,109	547.70	308.57	345.37

## Top 10 cancer incidence rates per 100,000 among males in 2019 (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	13,124	112.12	62.34	69.52
2	C33-C34	Trachea, bronchus and lung	9,062	77.42	41.26	46.88
3	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	7,606	64.98	39.67	42.59
		Oral cavity	4,870	41.61	25.64	27.53
		Oropharynx	1,537	13.13	7.96	8.51
		Hypopharynx	1,199	10.24	6.08	6.54
4	C22	Liver and intrahepatic bile ducts	7,760	66.30	36.90	40.96
5	C61	Prostate gland	7,137	60.97	30.31	35.94
6	C15	Esophagus	2,821	24.10	14.11	15.16
7	C44 <sup>5</sup>	Skin	2,612	22.31	10.93	13.10
8	C67	Bladder	2,513	21.47	11.04	12.78
9	C16	Stomach	2,452	20.95	10.84	12.46
10	LEU	Leukemia	1,529	13.06	9.13	9.70
	C00-C80	All cancer sites	69,299	592.04	333.71	372.98

## Top 10 cancer mortality rates per 100,000 among males in 2019

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	6,190	52.88	26.51	31.14
2	C22	Liver and intrahepatic bile ducts	5,363	45.82	24.24	27.68
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	3,661	31.28	15.51	18.40
4	C00-C14 <sup>4</sup>	Oral cavity, oropharynx and hypopharynx	3,154	26.95	15.73	17.15
5	C15	Esophagus	1,841	15.73	9.03	9.81
6	C16	Stomach	1,436	12.27	5.97	7.08
7	C61	Prostate gland	1,538	13.14	5.42	7.01
8	C25	Pancreas	1,360	11.62	6.02	6.92
9	C82-C85	Non-Hodgkin lymphoma	735	6.28	3.20	3.77
10	C91-C95	Leukemia	653	5.58	3.27	3.69
	C00-C97	All cancer sites	30,543	260.94	135.99	156.86

### 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, 2019 (ranked by age-adjusted rate<sup>3</sup>)

## Top 10 cancer incidence rates per 100,000 among females in 2019 (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	14,856	124.86	74.84	80.99
2	C33-C34	Trachea, bronchus and lung	7,386	62.08	31.46	35.01
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	7,409	62.27	30.58	34.61
4	C73	Thyroid gland	3,582	30.11	20.94	22.70
5	C54	Corpus uteri	3,124	26.26	15.81	17.00
6	C22	Liver and intrahepatic bile ducts	3,515	29.54	13.28	15.44
7	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	1,677	14.09	9.16	9.86
8	C44 <sup>4</sup>	Skin	2,086	17.53	7.27	8.72
9	C53	Cervix uteri	1,393	11.71	6.88	7.67
10	C16	Stomach	1,549	13.02	6.11	7.04
	C00-C80	All cancer sites	57,145	480.29	264.80	292.66

## Top 10 cancer incidence rates per 100,000 among females in 2019 (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	17,710	148.85	89.91	96.95
	C50	Carcinoma in situ of the female breast	2,854	23.99	15.07	15.96
	C50	Invasive carcinoma of the female breast	14,856	124.86	74.84	80.99
2	C18-C21	Colon, rectum, rectosigmoid junction and anus	9,333	78.44	39.05	43.91
3	C33-C34	Trachea, bronchus and lung	7,923	66.59	34.23	37.96
4	C53	Cervix uteri	4,507	37.88	26.01	29.07
	C53	Cervical carcinoma in situ	3,114	26.17	19.13	21.41
	C53	Invasive cervical carcinoma	1,393	11.71	6.88	7.67
5	C73	Thyroid gland	3,582	30.11	20.94	22.70
6	C54	Corpus uteri	3,325	27.95	17.07	18.41
7	C22	Liver and intrahepatic bile ducts	3,516	29.55	13.28	15.44
8	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	1,707	14.35	9.34	10.06
9	C44 <sup>4</sup>	Skin	2,354	19.78	8.17	9.81
10	C16	Stomach	1,587	13.34	6.25	7.20
	C00-C80	All cancer sites	66,765	561.15	315.41	348.18

## Top 10 cancer mortality rates per 100,000 among females in 2019

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	3,511	29.51	12.81	15.04
2	C50	Female breast	2,633	22.13	11.77	12.98
3	C18-C21	Colon, rectum, rectosigmoid junction and anus	2,775	23.32	9.76	11.56
4	C22	Liver and intrahepatic bile ducts	2,518	21.16	8.50	10.29
5	C25	Pancreas	1,137	9.56	4.14	4.87
6	C16	Stomach	943	7.93	3.36	3.98
7	C56, C57.0-C57.4	Ovary, fallopian tube and broad ligament	683	5.74	3.11	3.42
8	C53	Cervix uteri	674	5.66	2.83	3.20
9	C82-C85	Non-Hodgkin lymphoma	540	4.54	1.93	2.29
10	C91-C95	Leukemia	470	3.95	2.00	2.27
	C00-C97	All cancer sites	19,689	165.48	75.14	87.18

### 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".