

Correction

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Correction: Global and regional estimates of cancer mortality and incidence by site: II. results for the global burden of disease 2000

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After the publication of this work [1], we noticed the typographical errors in Tables 8, 9, 16, and 17: there were inconsistencies between the ranking of cancer mortality and incidence and their corresponding figures. Here we briefly present the results along with the revisions of the relevant tables since the ranking was corrected while the figures remained the same as the original.

Tables 1 and 2 represent the ranking of the number of deaths by cancer site in the world and three selected sub regions: African Region with a high child and adult mortality (AfrE), European Region with a very low child and adult mortality (EurA), and South East Asia Region with a low child and adult mortality (SearB). Lung cancer was the leading cause of cancer deaths in the world, accounting for 17% of total cancer mortality, followed by cancers of stomach (12% of total), colon and rectum (9%), liver (9%), and breast (7%). In males, lung, stomach, and liver cancers were the three most common causes of cancer deaths. The leading cause of cancer deaths among females was breast cancer, but lung cancer was already one of the largest causes of female cancer mortality.

The distribution of common cancer incidence was somewhat similar to that of mortality: lung cancer was the most common cancer in the world in 2000, accounting for 13%

of total cancer incidence, followed by cancers of colon and rectum (10% of total), breast (10%), stomach (10%), and liver (6%) (Table 3). As in mortality distribution, there is a significant variation in the distribution of site-specific cancer incidence by region (Table 4). The variations in the distribution of site-specific new cases of cancer by region were also similar to those observed in mortality distribution.

We regret any inconvenience that this inaccuracy in the tables might have caused. We wish to thank Dr. Robert Dubrow of Yale University School of Medicine for bringing this matter to our attention.

References

1. Shibuya K, Mathers CD, Boschi-Pinto C, Lopez AD and Murray CJL: **Global and regional estimates of cancer mortality and incidence by site: II. results for the global burden of disease 2000** *BMC Cancer* 2002, **2**:37.

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Table 1: Ranking of the global cancer deaths by site, 2000

Site	Number of deaths (000s)	Proportion of total (%)
Both sexes		
Trachea, bronchus, and lung	1,201.1	17.1
Stomach	836.2	11.9
Colon and rectum	607.3	8.7
Liver	605.9	8.6
Breast	468.9	6.7
Oesophagus	431.2	6.1
Lymphomas and multiple myeloma	332.3	4.7
Mouth and oropharynx	319.6	4.6
Prostate	263.6	3.8
Leukaemia	260.1	3.7
Cervix uteri	259.6	3.7
Pancreas	222.6	3.2
Bladder	177.4	2.5
Ovary	128.6	1.8
Corpus uteri	72.9	1.0
Melanoma of the skin	65.1	0.9
Males		
Trachea, bronchus, and lung	877.3	22.5
Stomach	512.0	13.2
Liver	414.9	10.7
Colon and rectum	311.8	8.0
Oesophagus	273.6	7.0
Prostate	263.6	6.8
Mouth and oropharynx	222.4	5.7
Lymphomas and multiple myeloma	168.6	4.3
Leukaemia	145.3	3.7
Bladder	123.9	3.2
Pancreas	117.0	3.0
Melanoma of the skin	35.1	0.9
Females		
Breast	466.3	14.9
Stomach	324.2	10.4
Trachea, bronchus, and lung	323.8	10.4
Colon and rectum	295.5	9.4
Cervix uteri	259.6	8.3
Liver	191.0	6.1
Lymphomas and multiple myeloma	163.7	5.2
Oesophagus	157.6	5.0
Ovary	128.6	4.1
Leukaemia	114.7	3.7
Pancreas	105.6	3.4
Mouth and oropharynx	97.2	3.1
Corpus uteri	72.9	2.3
Bladder	53.5	1.7
Melanoma of the skin	30.1	1.0

Table 2: Ranking of selected regional cancer deaths by site, 2000

WHO sub region								
AfrE (high child and adult mortality)			EurA (very low child and adult mortality)			SearB (low child and adult mortality)		
Site	Number of deaths (000s)	Proportion of total (%)		Number of deaths (000s)	Proportion of total (%)		Number of deaths (000s)	Proportion of total (%)
Both sexes								
Cervix uteri	36.8	12.4	Trachea, bronchus, and lung	207.2	19.5	Trachea, bronchus, and lung	48.3	16.6
Liver	33.3	11.2	Colon and rectum	141.8	13.3	Liver	36.5	12.5
Breast	23.0	7.8	Breast	92.7	8.7	Breast	29.1	10.0
Mouth and oropharynx	21.4	7.2	Prostate	70.2	6.6	Colon and rectum	27.6	9.5
Oesophagus	20.6	7.0	Stomach	66.8	6.3	Mouth and oropharynx	18.6	6.4
Prostate	19.2	6.5	Lymphomas and multiple myeloma	55.0	5.2	Lymphomas and multiple myeloma	15.8	5.4
Lymphomas and multiple myeloma	18.8	6.4	Pancreas	53.6	5.0	Cervix uteri	15.4	5.3
Stomach	17.0	5.7	Liver	38.6	3.6	Leukaemia	14.7	5.1
Colon and rectum	14.1	4.8	Bladder	37.6	3.5	Stomach	12.5	4.3
Trachea, bronchus, and lung	14.0	4.7	Leukaemia	37.3	3.5	Ovary	8.7	3.0
Leukaemia	11.8	4.0	Oesophagus	29.2	2.7	Prostate	8.1	2.8
Ovary	6.7	2.3	Ovary	25.7	2.4	Pancreas	6.8	2.3
Bladder	6.3	2.1	Mouth and oropharynx	24.9	2.3	Bladder	5.8	2.0
Melanoma of the skin	5.3	1.8	Corpus uteri	16.0	1.5	Oesophagus	5.6	1.9
Pancreas	5.2	1.8	Melanoma of the skin	15.5	1.5	Corpus uteri	4.0	1.4
Corpus uteri	1.7	0.6	Cervix uteri	8.3	0.8	Melanoma of the skin	1.7	0.6
Males								
Liver	23.5	15.2	Trachea, bronchus, and lung	158.0	26.6	Trachea, bronchus, and lung	40.8	26.4
Prostate	19.2	12.5	Colon and rectum	72.1	12.1	Liver	25.9	16.7
Mouth and oropharynx	14.3	9.3	Prostate	70.2	11.8	Colon and rectum	13.9	9.0
Oesophagus	13.8	8.9	Stomach	38.9	6.5	Mouth and oropharynx	13.1	8.4
Lymphomas and multiple myeloma	13.7	8.9	Lymphomas and multiple myeloma	27.6	4.6	Lymphomas and multiple myeloma	9.6	6.2
Stomach	9.8	6.3	Bladder	27.1	4.6	Prostate	8.1	5.3
Trachea, bronchus, and lung	9.4	6.1	Pancreas	26.7	4.5	Leukaemia	7.6	4.9
Colon and rectum	8.8	5.7	Liver	25.3	4.3	Stomach	7.1	4.6
Leukaemia	6.9	4.5	Oesophagus	21.4	3.6	Bladder	4.4	2.8
Bladder	4.3	2.8	Leukaemia	20.0	3.4	Pancreas	3.5	2.3
Pancreas	2.7	1.8	Mouth and oropharynx	19.2	3.2	Oesophagus	3.3	2.1
Melanoma of the skin	2.2	1.5	Melanoma of the skin	8.3	1.4	Melanoma of the skin	0.7	0.5
Females								
Cervix uteri	36.8	26.0	Breast	91.8	19.6	Breast	29.0	21.2
Breast	23.0	16.3	Colon and rectum	69.7	14.9	Cervix uteri	15.4	11.2
Liver	9.8	6.9	Trachea, bronchus, and lung	49.2	10.5	Colon and rectum	13.6	10.0
Stomach	7.2	5.1	Stomach	27.9	6.0	Liver	10.6	7.8
Mouth and oropharynx	7.1	5.0	Lymphomas and multiple myeloma	27.4	5.9	Ovary	8.7	6.3

Table 2: Ranking of selected regional cancer deaths by site, 2000 (Continued)

Oesophagus	6.8	4.8	Pancreas	26.9	5.8	Trachea, bronchus, and lung	7.5	5.5
Ovary	6.7	4.8	Ovary	25.7	5.5	Leukaemia	7.2	5.2
Colon and rectum	5.3	3.7	Leukaemia	17.2	3.7	Lymphomas and multiple myeloma	6.1	4.5
Lymphomas and multiple myeloma	5.2	3.7	Corpus uteri	16.0	3.4	Mouth and oropharynx	5.5	4.0
Leukaemia	4.9	3.5	Liver	13.3	2.8	Stomach	5.5	4.0
Trachea, bronchus, and lung	4.5	3.2	Bladder	10.5	2.2	Corpus uteri	4.0	2.9
Melanoma of the skin	3.0	2.1	Cervix uteri	8.3	1.8	Pancreas	3.3	2.4
Pancreas	2.5	1.8	Oesophagus	7.8	1.7	Oesophagus	2.3	1.7
Bladder	2.0	1.4	Melanoma of the skin	7.2	1.5	Bladder	1.4	1.0
Corpus uteri	1.7	1.2	Mouth and oropharynx	5.7	1.2	Melanoma of the skin	1.0	0.7

Table 3: Ranking of the global cancer incidence by site, 2000

Site	Number of new cases (000s)	Proportion of total (%)
Both sexes		
Trachea, bronchus and lung	1,305.6	12.7
Colon and rectum	1,045.0	10.2
Breast	1,031.9	10.0
Stomach	973.1	9.5
Liver	626.4	6.1
Prostate	550.2	5.3
Cervix uteri	487.5	4.7
Lymphomas and multiple myeloma	481.1	4.7
Oesophagus	452.7	4.4
Mouth and oropharynx	420.7	4.1
Bladder	382.9	3.7
Leukaemia	364.7	3.5
Corpus uteri	326.3	3.2
Pancreas	226.2	2.2
Ovary	221.3	2.2
Melanoma of the skin	206.7	2.0
Males		
Trachea, bronchus and lung	939.9	18.2
Stomach	589.3	11.4
Prostate	550.2	10.6
Colon and rectum	527.8	10.2
Liver	422.0	8.2
Oesophagus	286.5	5.5
Bladder	277.2	5.4
Mouth and oropharynx	267.1	5.2
Lymphomas and multiple myeloma	238.5	4.6
Leukaemia	195.2	3.8
Pancreas	119.3	2.3
Melanoma of the skin	118.2	2.3
Females		
Breast	1,031.9	20.1
Colon and rectum	517.3	10.1
Cervix uteri	487.5	9.5
Stomach	383.9	7.5
Trachea, bronchus and lung	365.7	7.1

Table 3: Ranking of the global cancer incidence by site, 2000 (Continued)

Corpus uteri	326.3	6.4
Lymphomas and multiple myeloma	242.6	4.7
Ovary	221.3	4.3
Liver	204.4	4.0
Leukaemia	169.5	3.3
Oesophagus	166.2	3.2
Mouth and oropharynx	153.6	3.0
Pancreas	106.9	2.1
Bladder	105.7	2.1
Melanoma of the skin	88.5	1.7

Table 4: Ranking of the selected regional cancer incidence by site, 2000

WHO sub region								
AfrE (high child and adult mortality)			EurA (very low child and adult mortality)			SearB (low child and adult mortality)		
Site	Number of new cases (000s)	Proportion of total (%)	Site	Number of new cases (000s)	Proportion of total (%)	Site	Number of new cases (000s)	Proportion of total (%)
Both sexes								
Cervix uteri	67.9	16.4	Colon and rectum	264.7	15.4	Breast	53.9	12.3
Breast	39.8	9.6	Trachea, bronchus and lung	227.3	13.2	Trachea, bronchus and lung	51.4	11.7
Liver	34.7	8.3	Breast	221.8	12.9	Colon and rectum	44.3	10.1
Prostate	28.2	6.8	Prostate	139.1	8.1	Liver	40.3	9.2
Mouth and oropharynx	27.9	6.7	Bladder	86.5	5.0	Cervix uteri	32.8	7.5
Lymphomas and multiple myeloma	26.6	6.4	Lymphomas and multiple myeloma	80.2	4.7	Mouth and oropharynx	25.4	5.8
Oesophagus	21.2	5.1	Stomach	79.6	4.6	Lymphomas and multiple myeloma	22.9	5.2
Colon and rectum	20.3	4.9	Corpus uteri	68.3	4.0	Leukaemia	21.5	4.9
Stomach	19.4	4.7	Pancreas	55.5	3.2	Corpus uteri	19.9	4.5
Leukaemia	16.2	3.9	Melanoma of the skin	49.1	2.8	Ovary	18.1	4.1
Trachea, bronchus and lung	14.8	3.6	Leukaemia	48.6	2.8	Stomach	15.3	3.5
Ovary	12.2	2.9	Liver	40.1	2.3	Prostate	13.4	3.1
Bladder	10.7	2.6	Ovary	39.4	2.3	Bladder	10.1	2.3
Melanoma of the skin	7.7	1.8	Mouth and oropharynx	38.6	2.2	Pancreas	7.2	1.7
Corpus uteri	6.0	1.4	Oesophagus	31.2	1.8	Oesophagus	6.2	1.4
Pancreas	5.4	1.3	Cervix uteri	18.8	1.1	Melanoma of the skin	3.1	0.7
Male			Male			Male		
Prostate	28.2	14.8	Trachea, bronchus and lung	172.0	19.6	Trachea, bronchus and lung	43.1	22.0
Liver	23.6	12.4	Prostate	139.1	15.9	Liver	28.6	14.6
Lymphomas and multiple myeloma	18.6	9.8	Colon and rectum	133.8	15.3	Colon and rectum	21.4	11.0
Mouth and oropharynx	16.5	8.7	Bladder	65.1	7.4	Mouth and oropharynx	16.0	8.2
Oesophagus	14.1	7.4	Stomach	45.6	5.2	Prostate	13.4	6.9
Colon and rectum	12.0	6.3	Lymphomas and multiple myeloma	39.3	4.5	Lymphomas and multiple myeloma	13.3	6.8
Stomach	10.9	5.8	Mouth and oropharynx	28.7	3.3	Leukaemia	10.7	5.5

Table 4: Ranking of the selected regional cancer incidence by site, 2000 (Continued)

Trachea, bronchus and lung	9.8	5.2	Pancreas	27.4	3.1	Stomach	8.6	4.4
Leukaemia	9.2	4.9	Liver	26.1	3.0	Bladder	7.7	3.9
Bladder	7.3	3.8	Leukaemia	25.6	2.9	Oesophagus	3.8	1.9
Melanoma of the skin	3.4	1.8	Oesophagus	22.8	2.6	Pancreas	3.7	1.9
Pancreas	2.8	1.5	Melanoma of the skin	22.6	2.6	Melanoma of the skin	1.2	0.6
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Female			Female			Female		
Cervix uteri	67.9	30.2	Breast	221.8	26.2	Breast	53.9	22.3
Breast	39.8	17.7	Colon and rectum	131.0	15.4	Cervix uteri	32.8	13.6
Ovary	12.2	5.4	Corpus uteri	68.3	8.1	Colon and rectum	22.8	9.4
Mouth and oropharynx	11.4	5.1	Trachea, bronchus and lung	55.3	6.5	Corpus uteri	19.9	8.2
Liver	11.1	4.9	Lymphomas and multiple myeloma	40.9	4.8	Ovary	18.1	7.5
Stomach	8.4	3.7	Ovary	39.4	4.6	Liver	11.7	4.8
Colon and rectum	8.2	3.7	Stomach	33.9	4.0	Leukaemia	10.8	4.5
Lymphomas and multiple myeloma	8.0	3.6	Pancreas	28.1	3.3	Lymphomas and multiple myeloma	9.6	4.0
Oesophagus	7.2	3.2	Melanoma of the skin	26.5	3.1	Mouth and oropharynx	9.4	3.9
Leukaemia	7.0	3.1	Leukaemia	23.0	2.7	Trachea, bronchus and lung	8.3	3.4
Corpus uteri	6.0	2.7	Bladder	21.4	2.5	Stomach	6.7	2.8
Trachea, bronchus and lung	5.0	2.2	Cervix uteri	18.8	2.2	Pancreas	3.6	1.5
Melanoma of the skin	4.3	1.9	Liver	14.0	1.7	Oesophagus	2.5	1.0
Bladder	3.4	1.5	Mouth and oropharynx	9.9	1.2	Bladder	2.4	1.0
Pancreas	2.6	1.2	Oesophagus	8.4	1.0	Melanoma of the skin	1.9	0.8

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