

Figure 1a - Percentage of global deaths for males in 1990 by cause and age

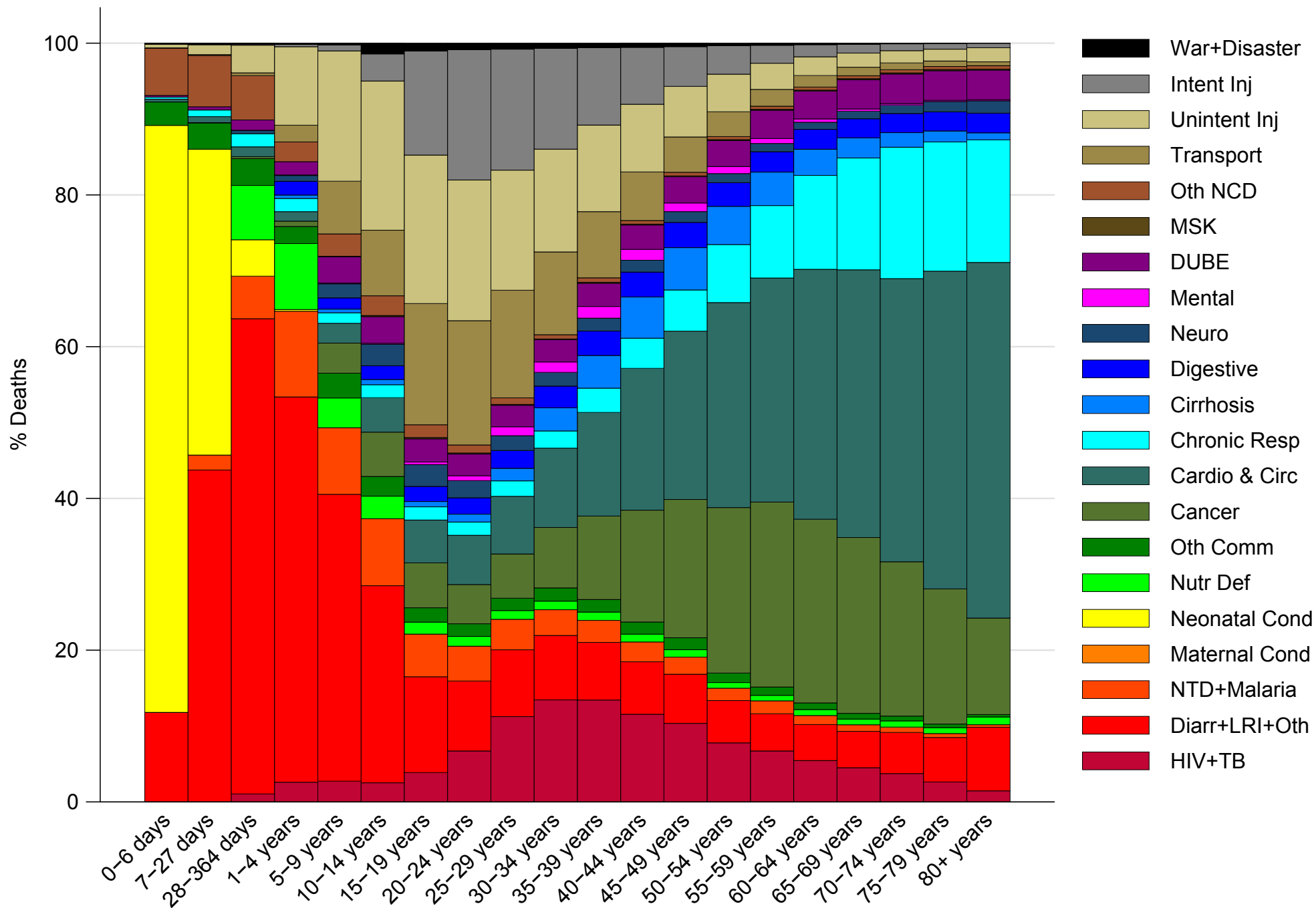


Figure 1b - Percentage of global deaths for females in 1990 by cause and age

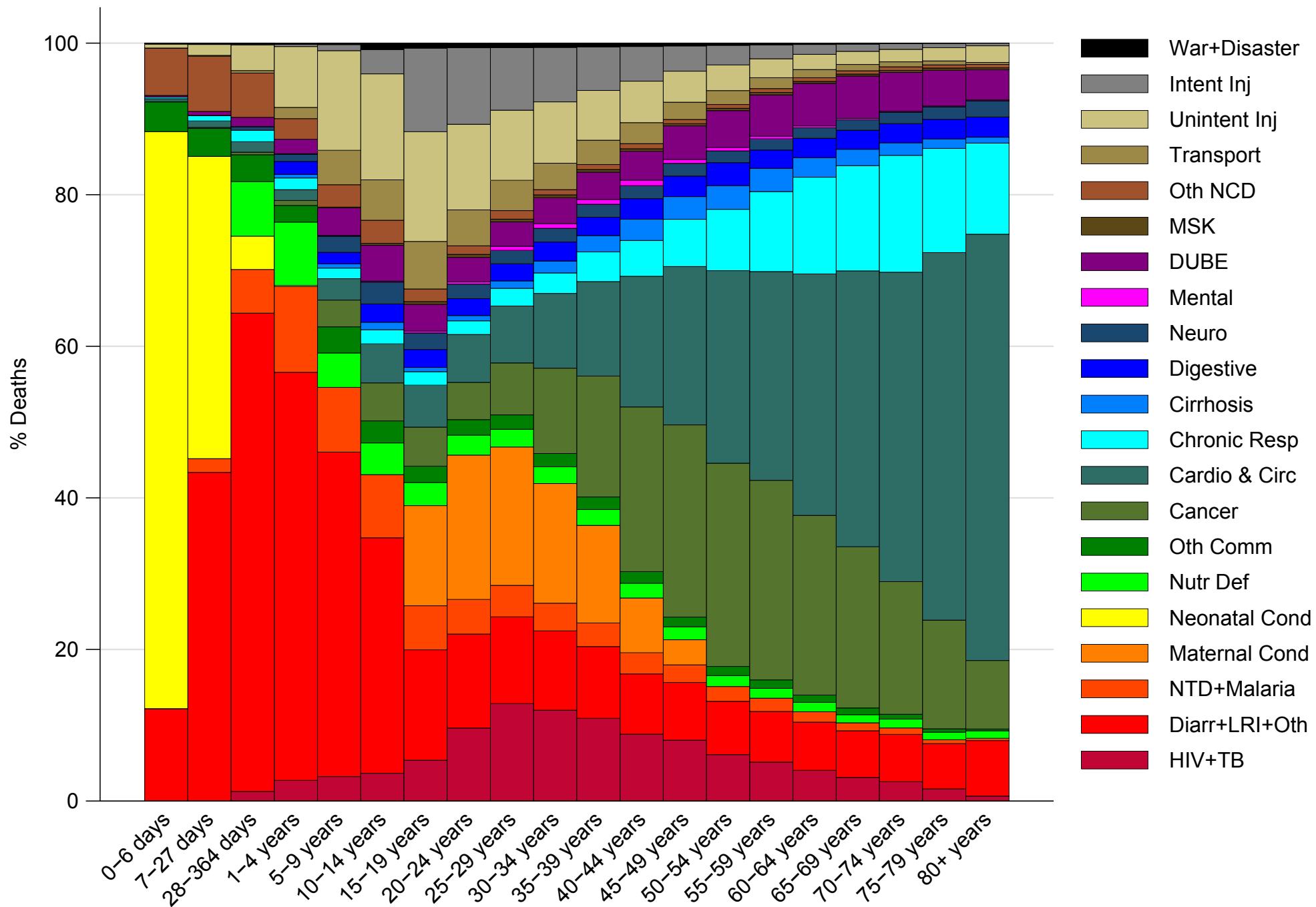


Figure 1c - Percentage of global deaths for males in 2010 by cause and age

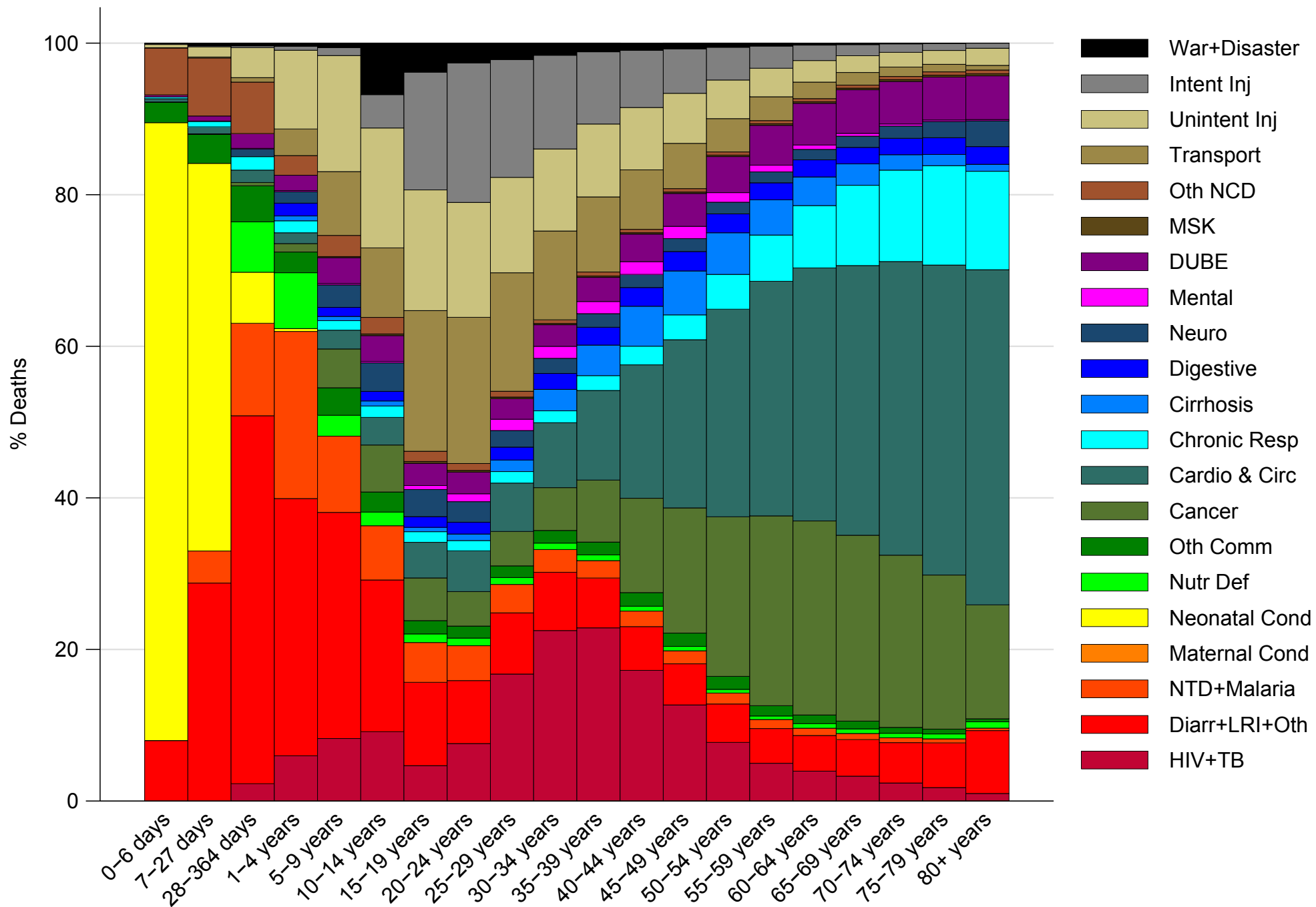


Figure 1d - Percentage of global deaths for females in 2010 by cause and age

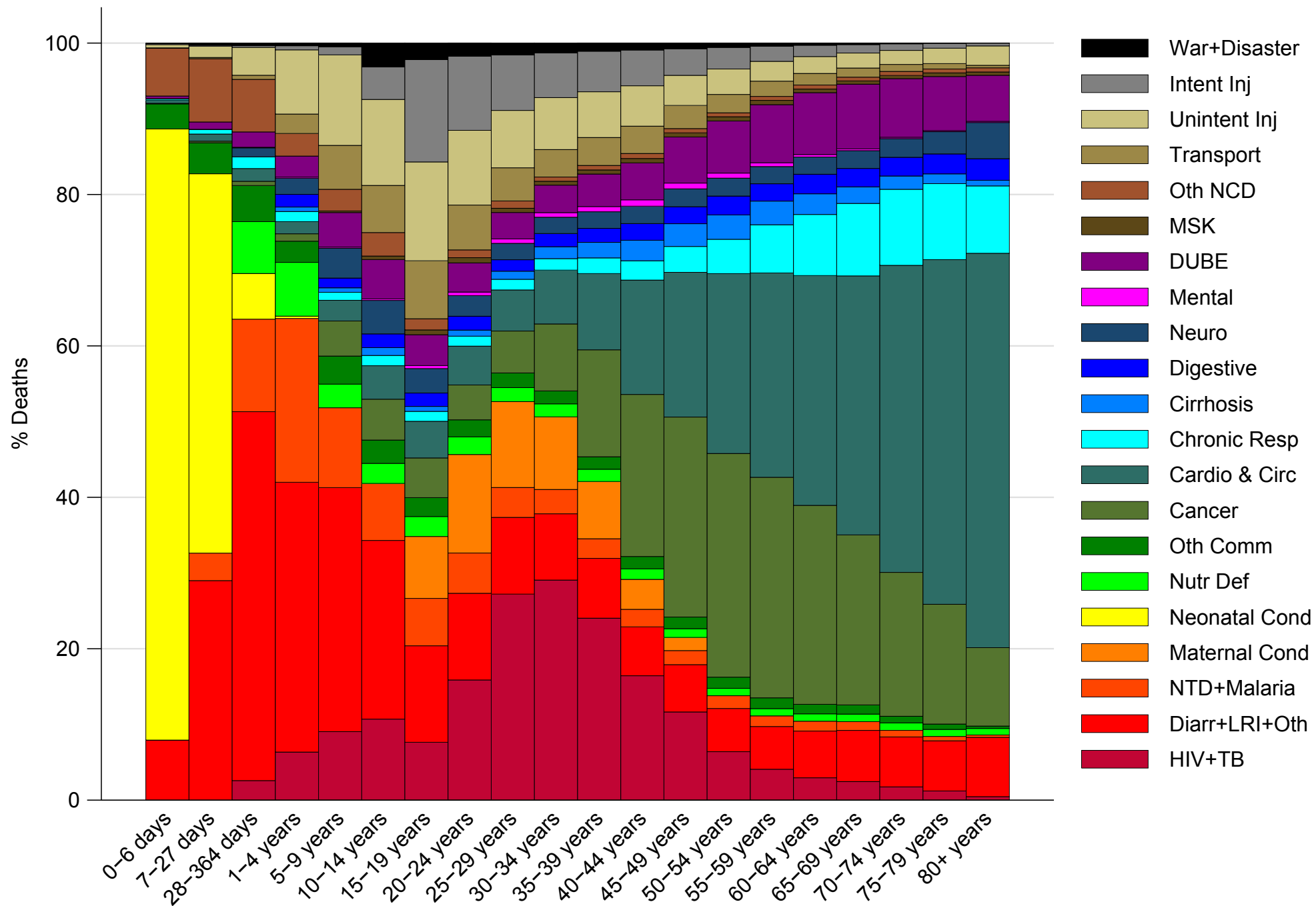


Figure 2a – Global deaths in 2010 for ages 0-27 days and both sexes combined by cause
Total deaths: 2,842,000

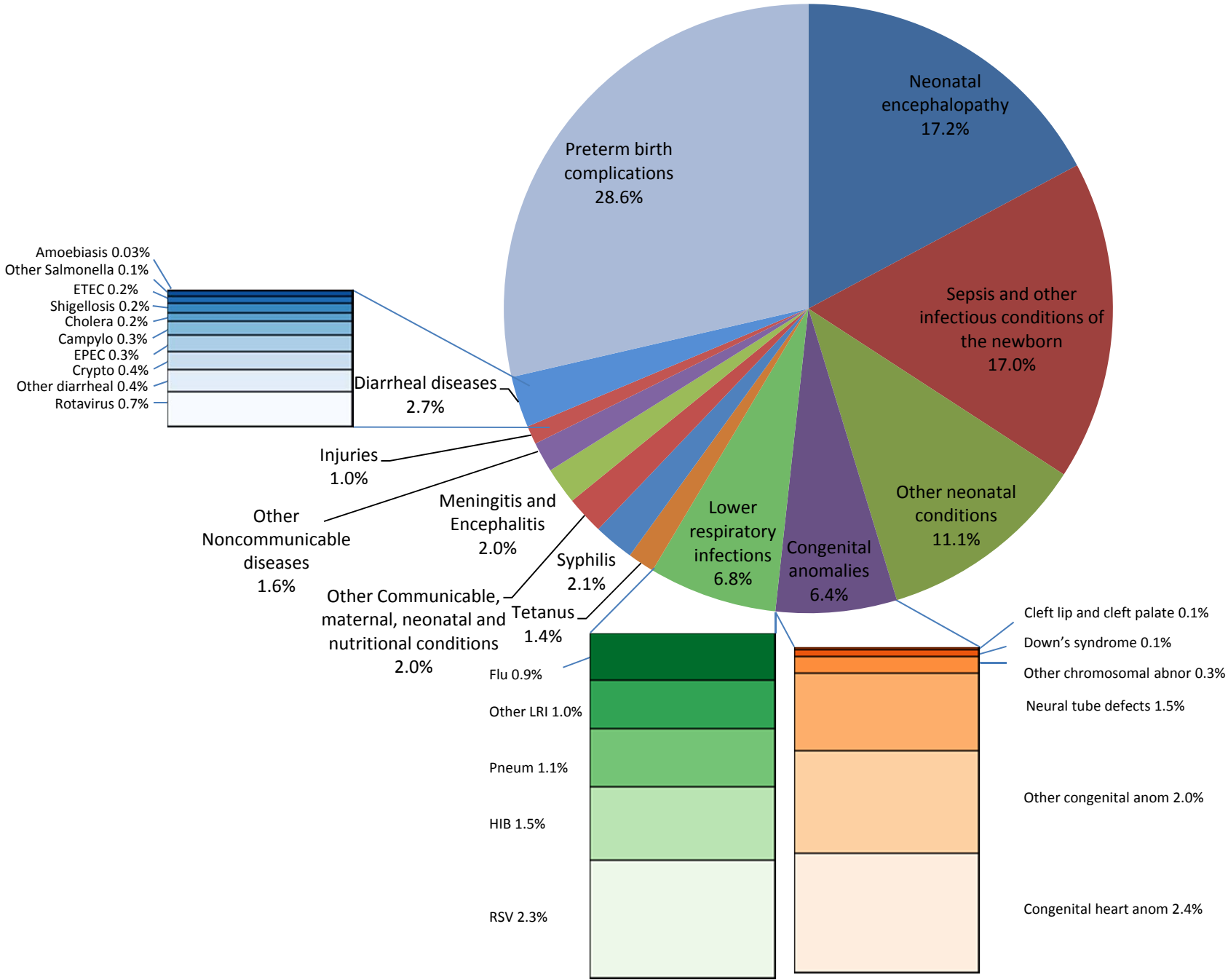


Figure 2b – Global deaths in 2010 for ages 28-365 days and both sexes combined by cause
Total deaths: 2,033,300

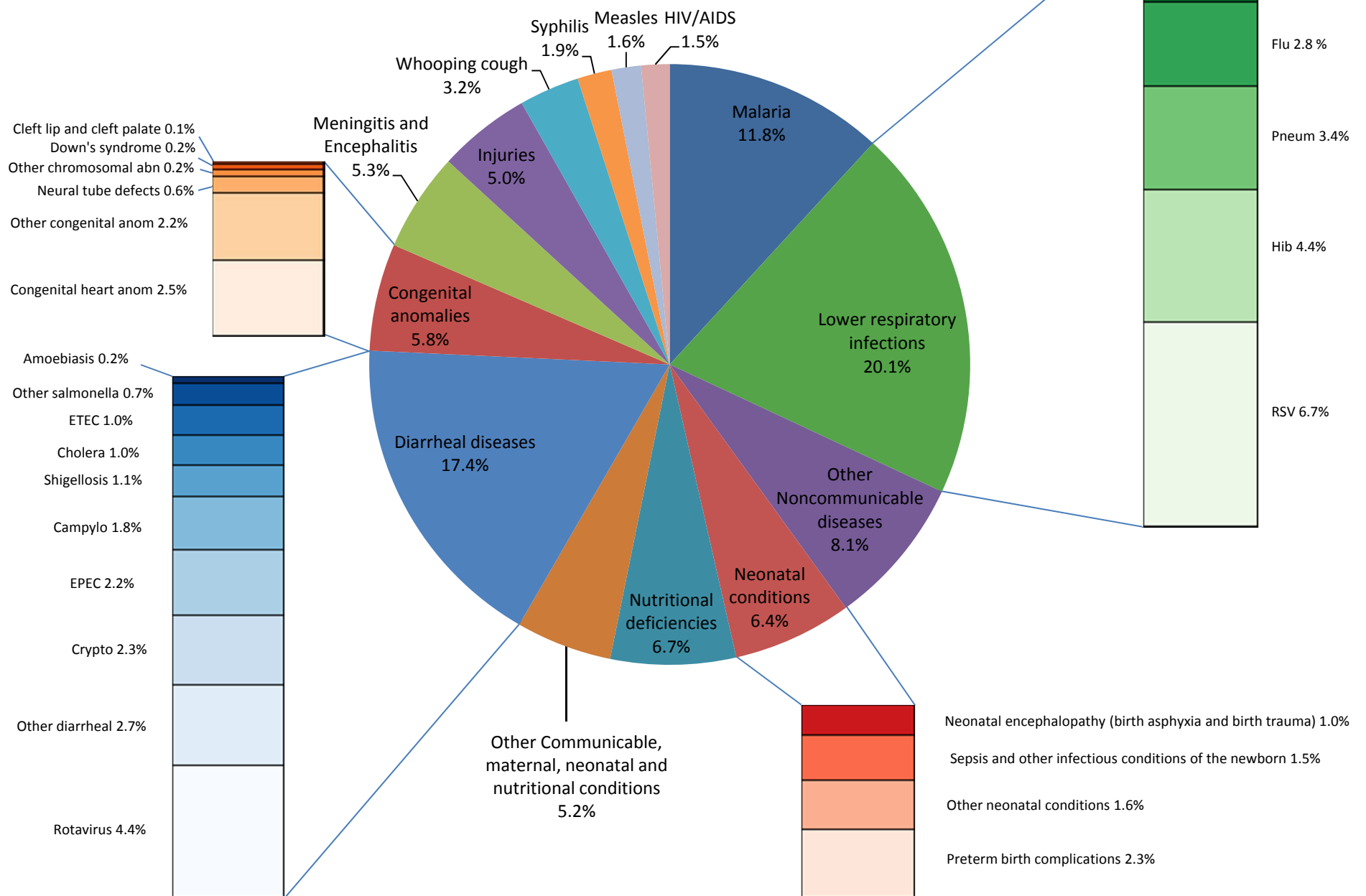


Figure 2c – Global deaths in 2010 for ages 1-4 years and both sexes combined by cause
Total deaths: 1,971,100

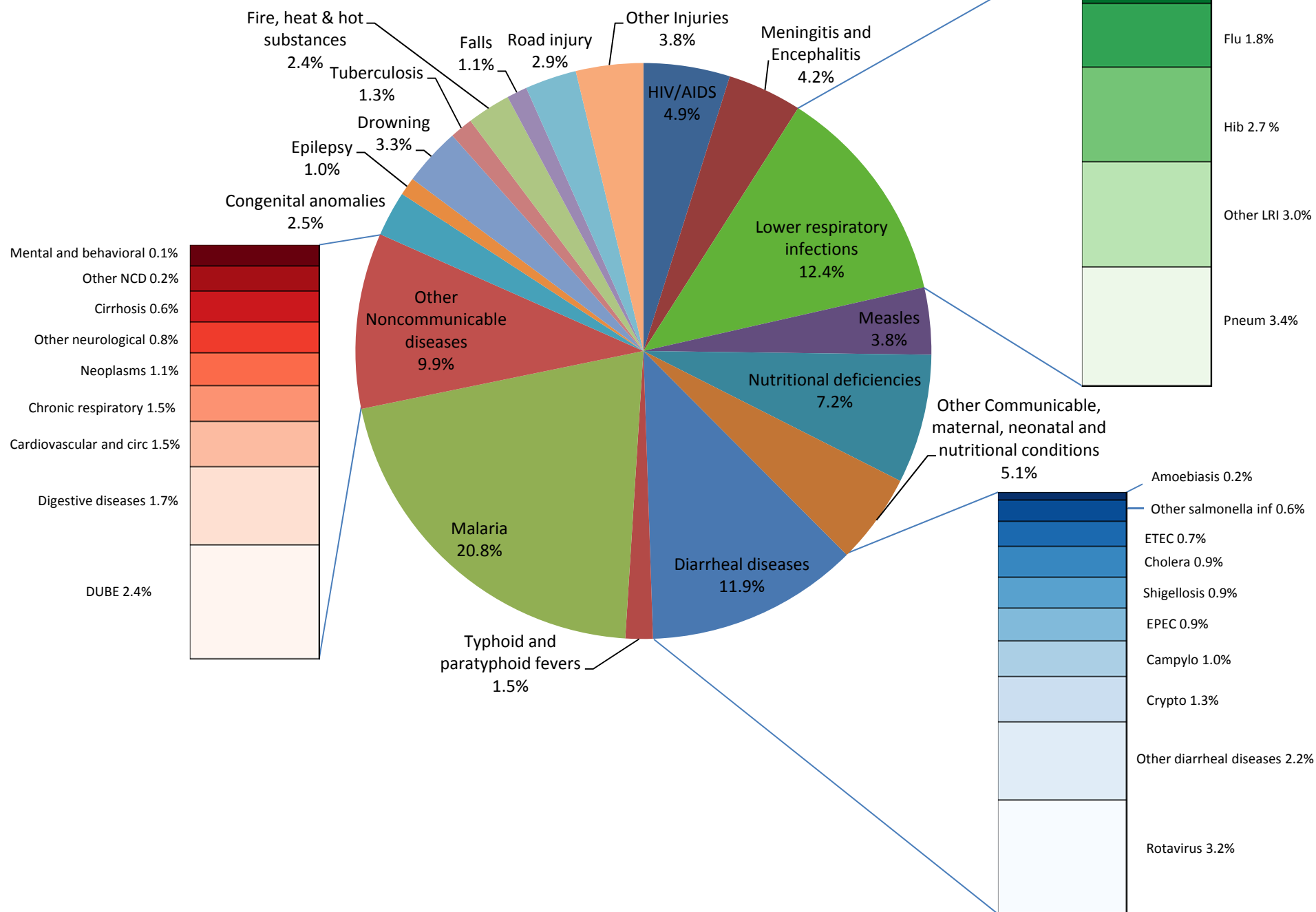


Figure 2a – Global deaths in 2010 for ages 0-27 days and both sexes combined by cause

Total deaths: 2,842,000

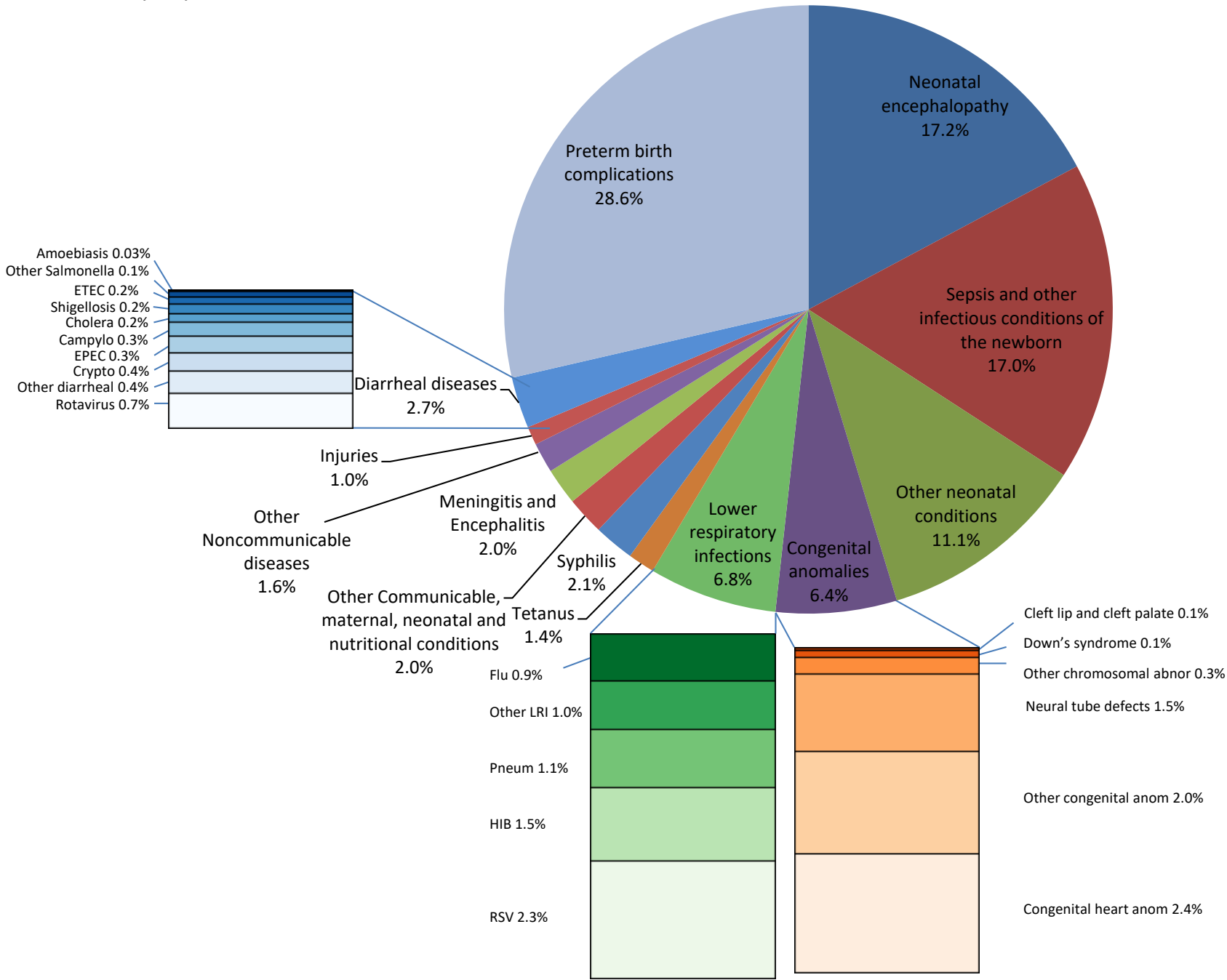


Figure 2b – Global deaths in 2010 for ages 28-365 days and both sexes combined by cause
Total deaths: 2,033,300

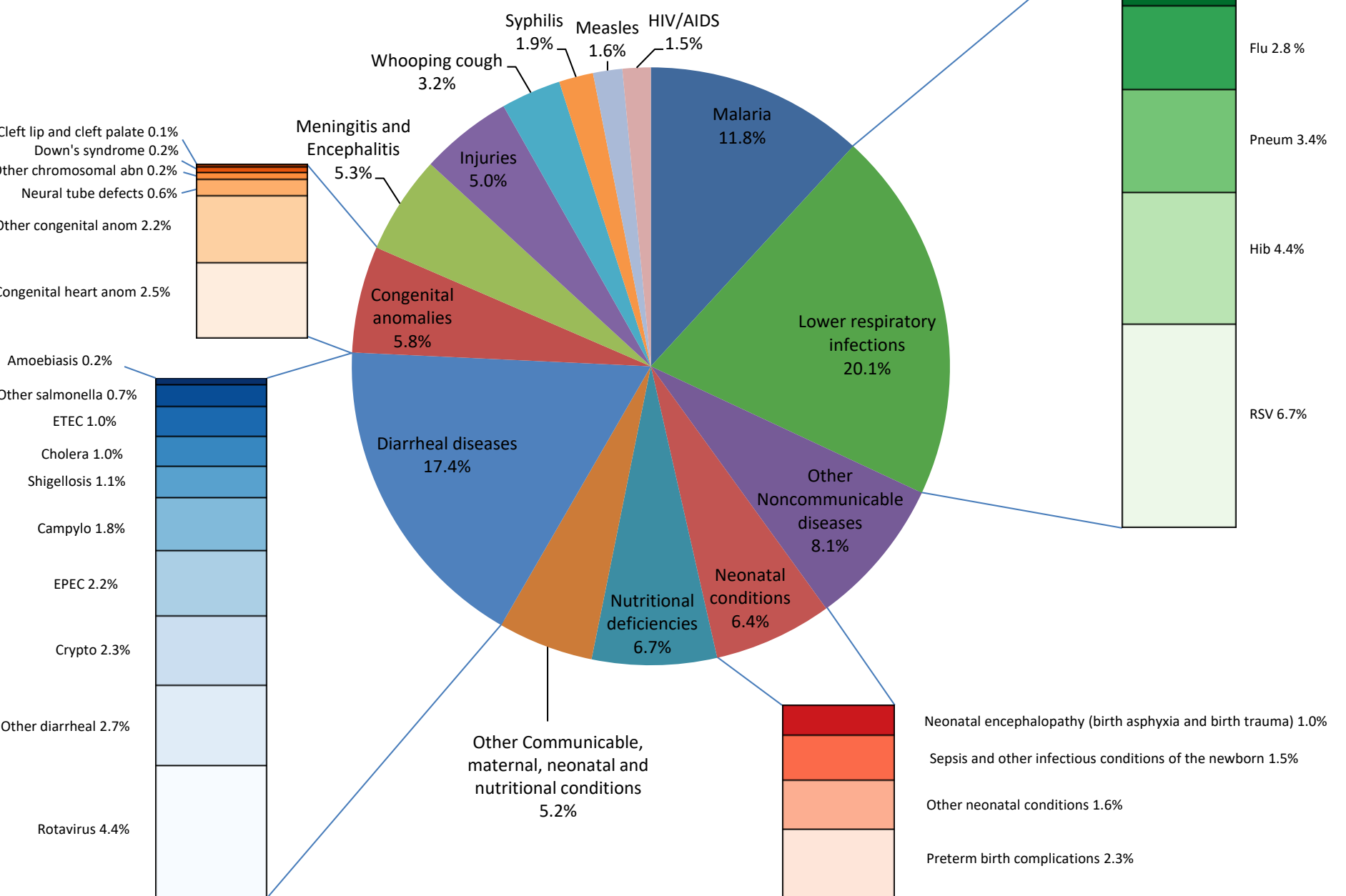


Figure 2c – Global deaths in 2010 for ages 1-4 years and both sexes combined by cause

Total deaths: 1,971,100

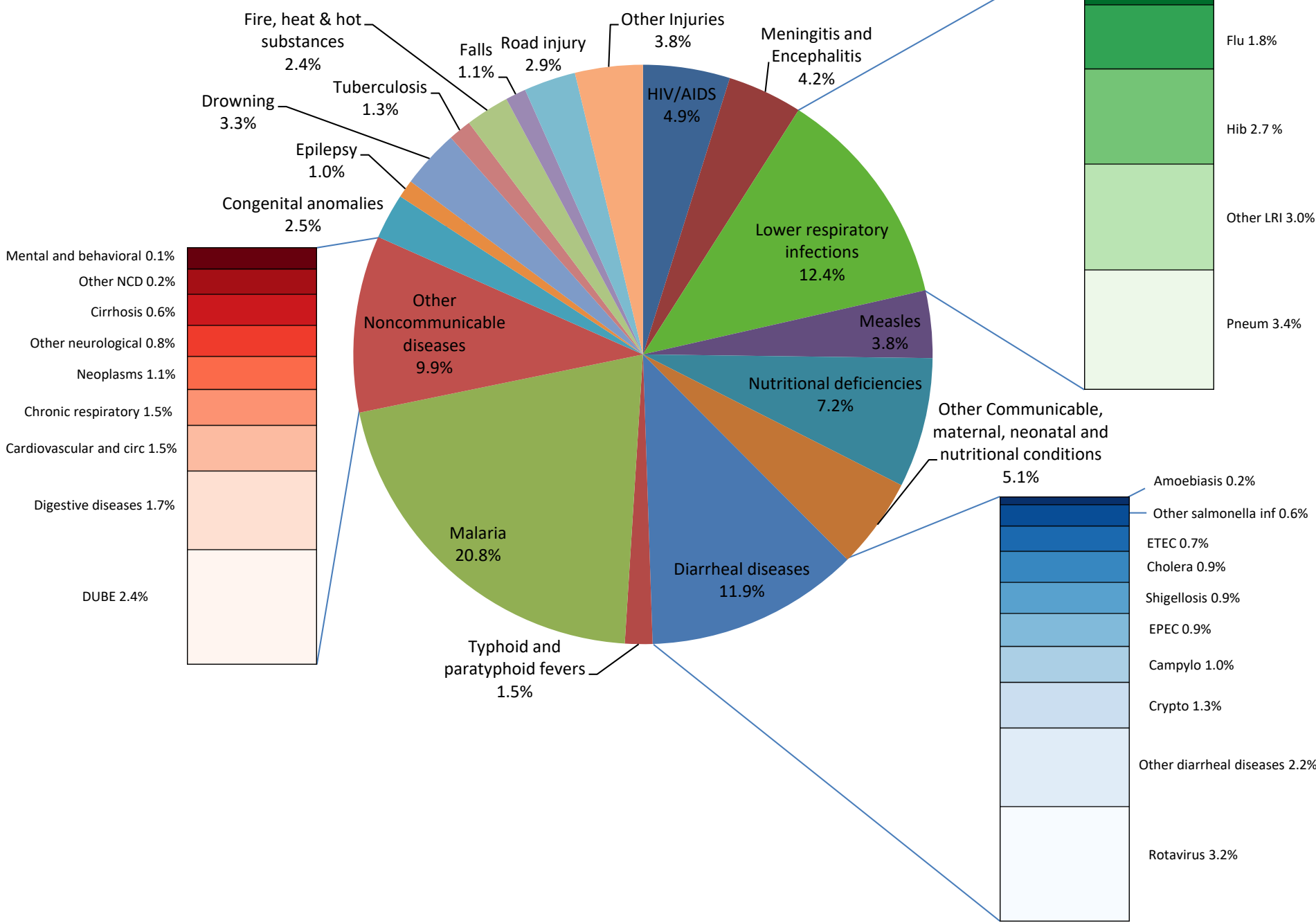


Figure 3a – Global deaths in 2010 for females ages 15-49

Total deaths: 3,502,320

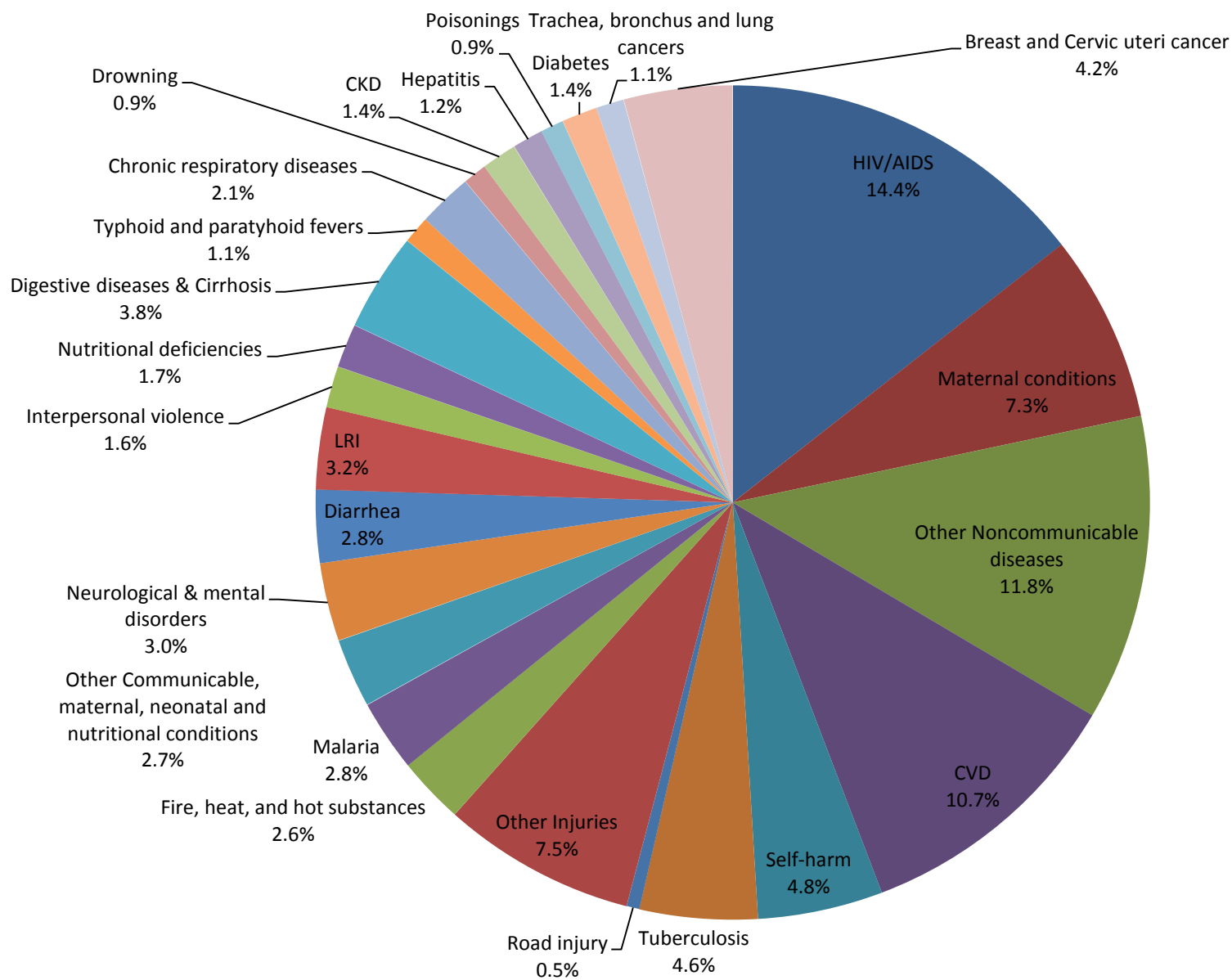


Figure 3b – Global deaths in 2010 for males ages 15-49

Total deaths: 5,750,463

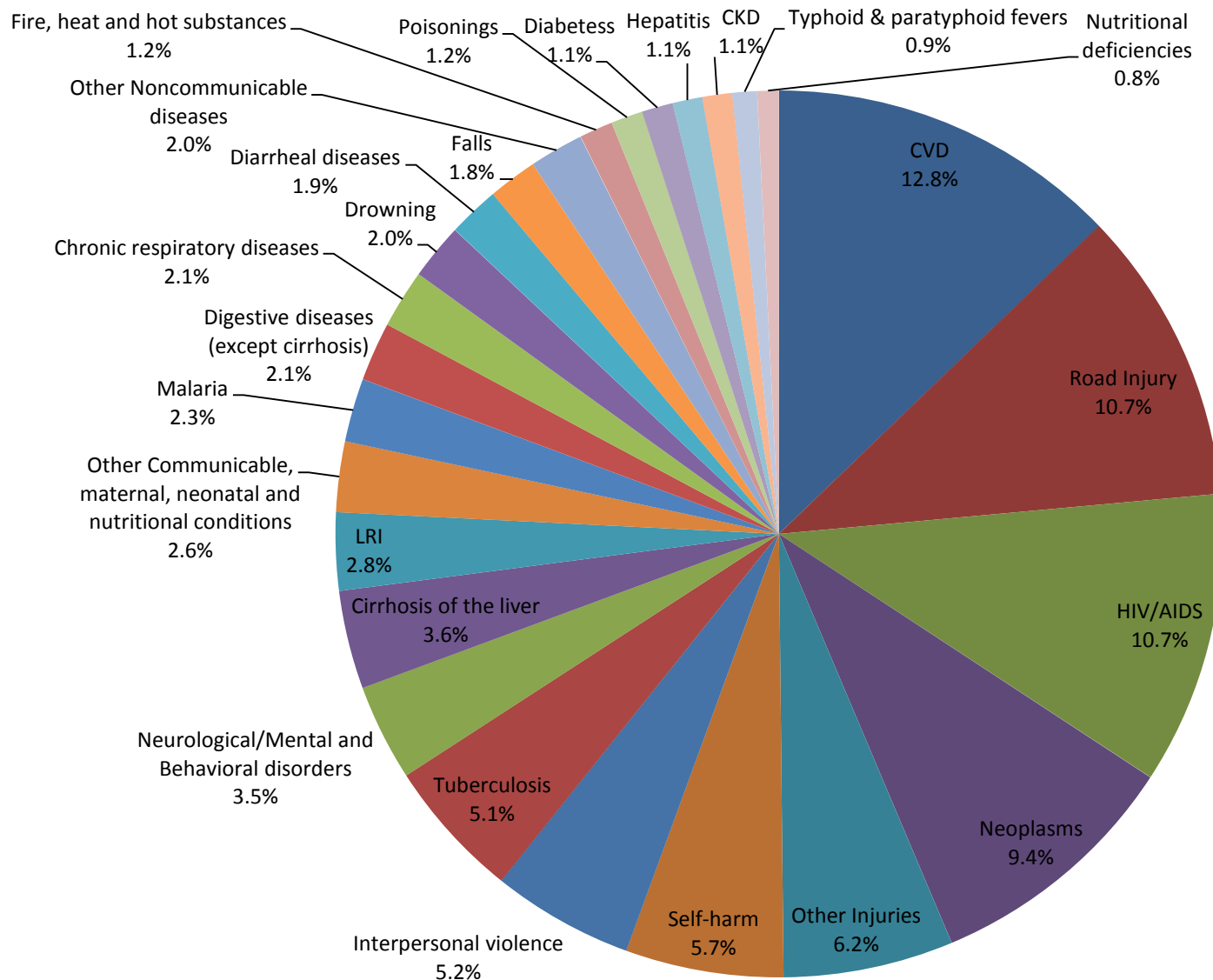


Figure 3a – Global deaths in 2010 for females ages 15-49

Total deaths: 3,502,320

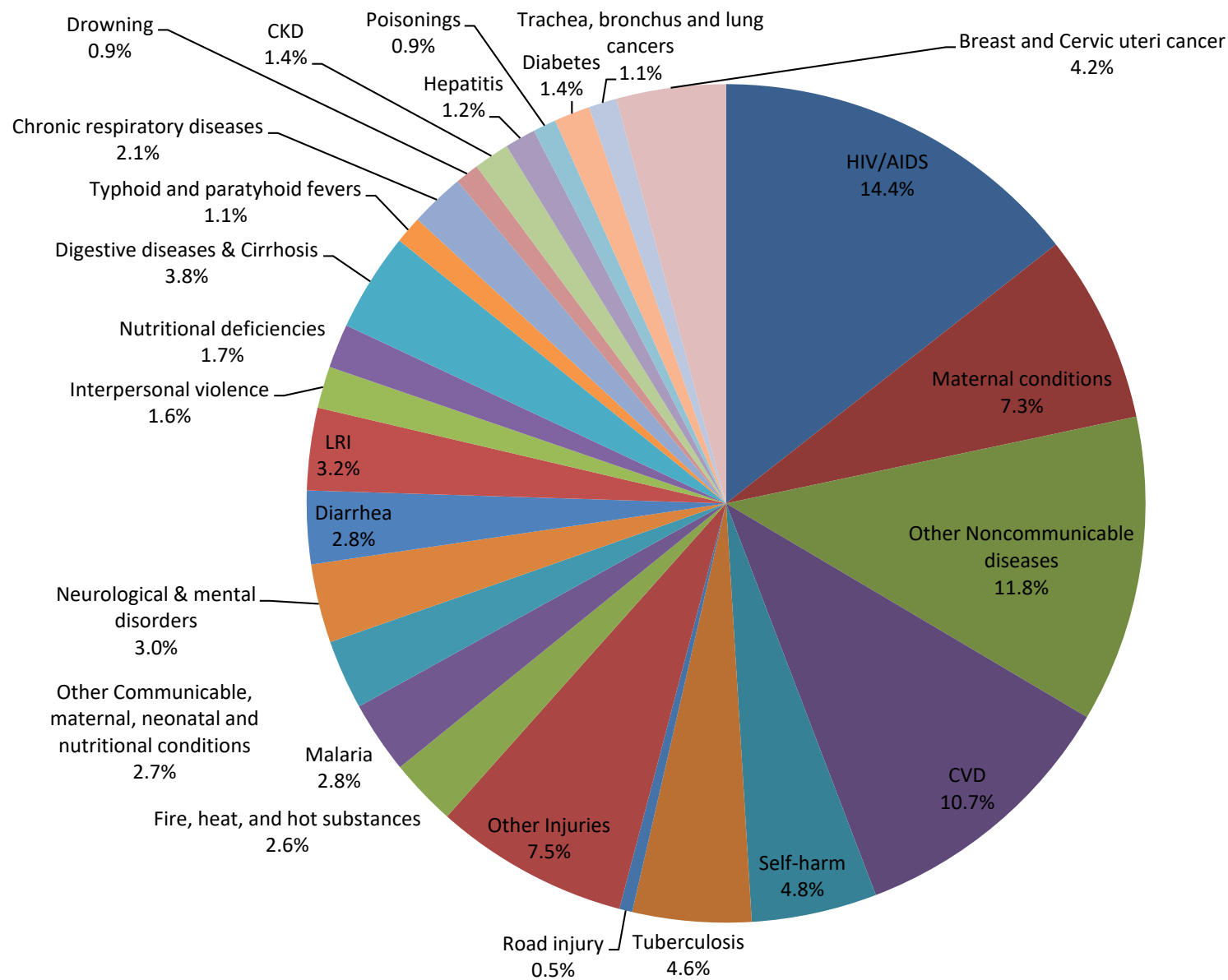


Figure 3b – Global deaths in 2010 for males ages 15-49

Total deaths: 5,750,463

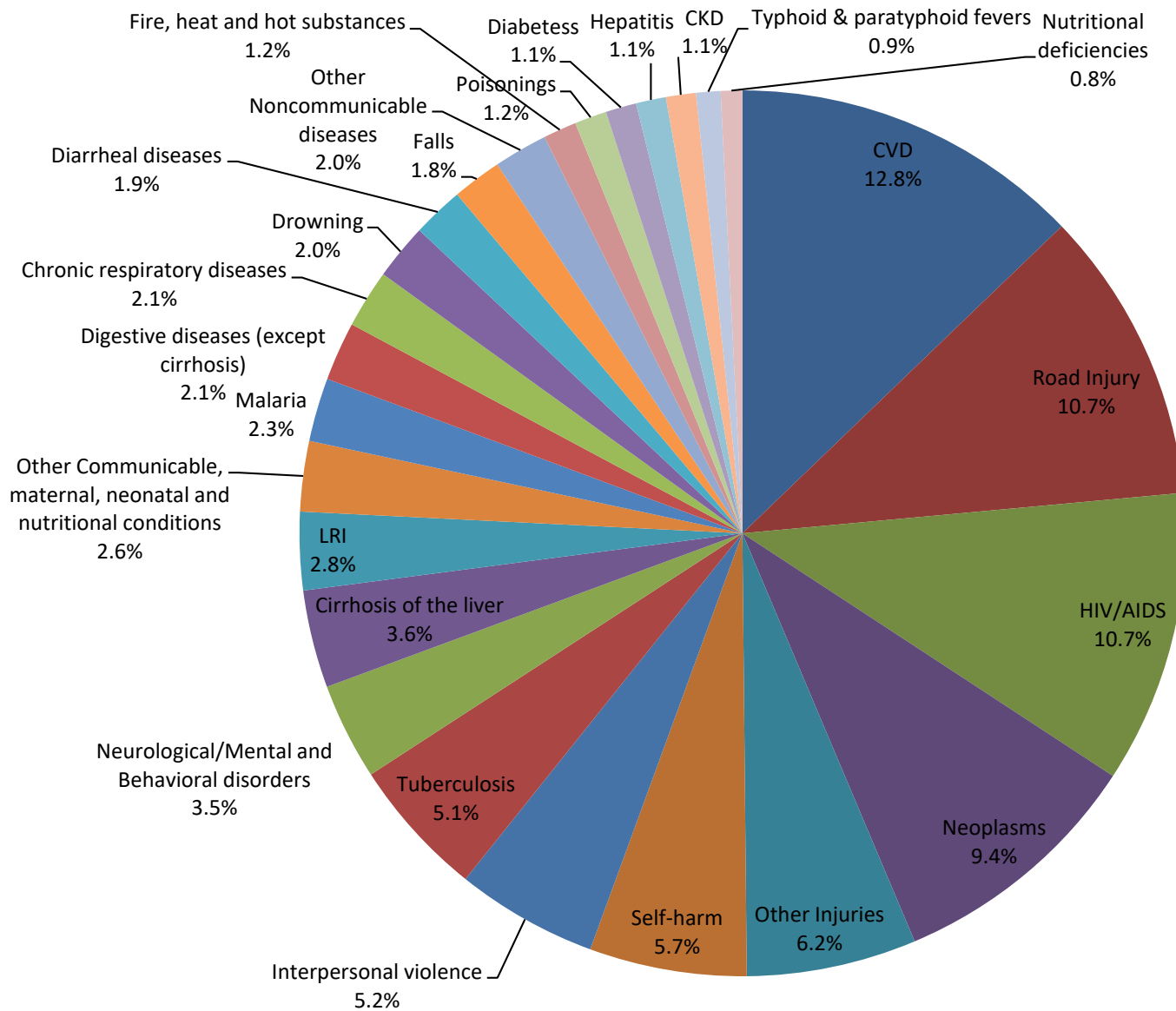


Figure 4 - Global Death Ranks for Top 25 Causes, 1990 to 2010

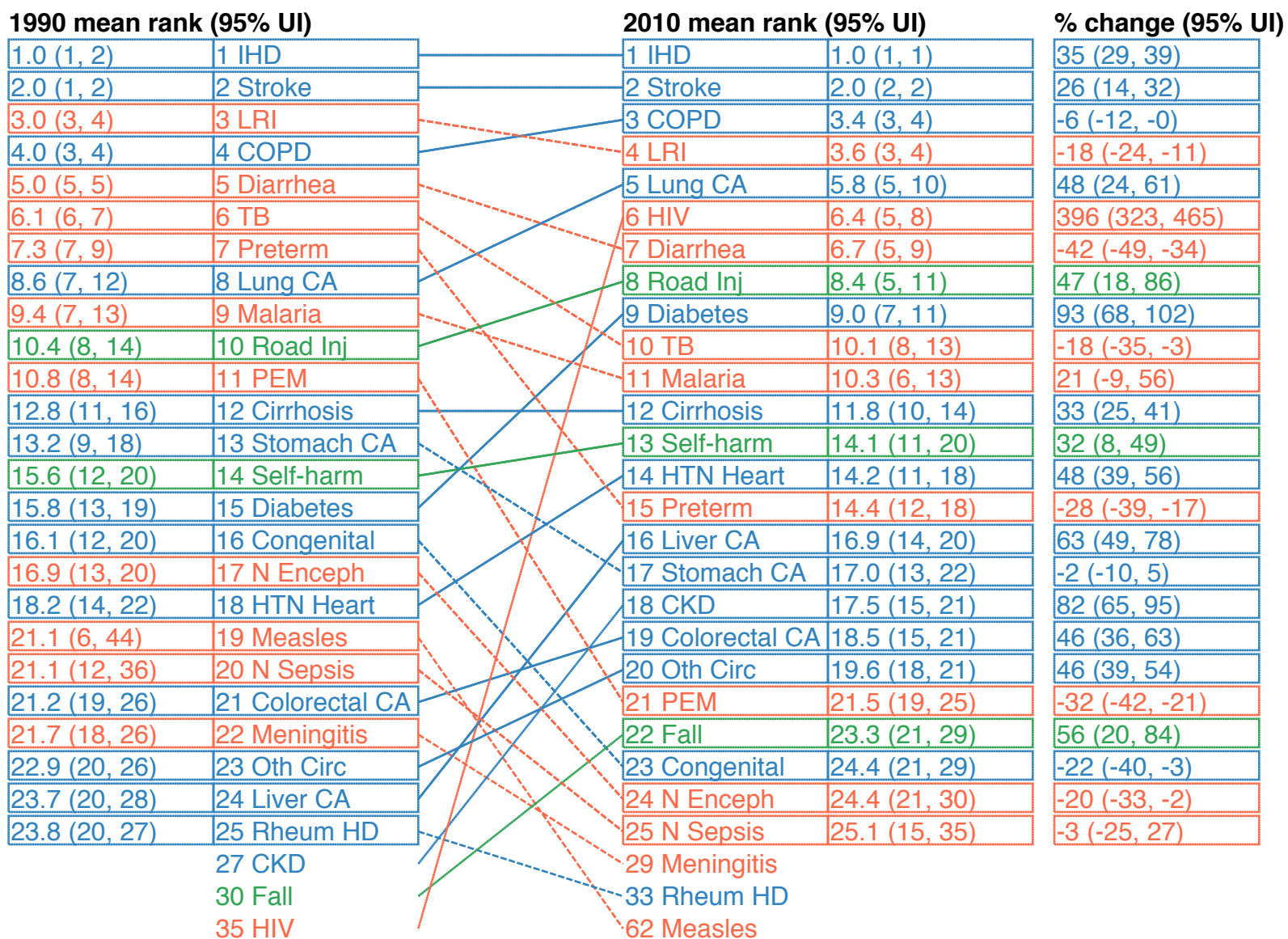


Figure 5 - Percentage of global YLLs from 1990 to 2010 for all ages and both sexes combined by cause and year

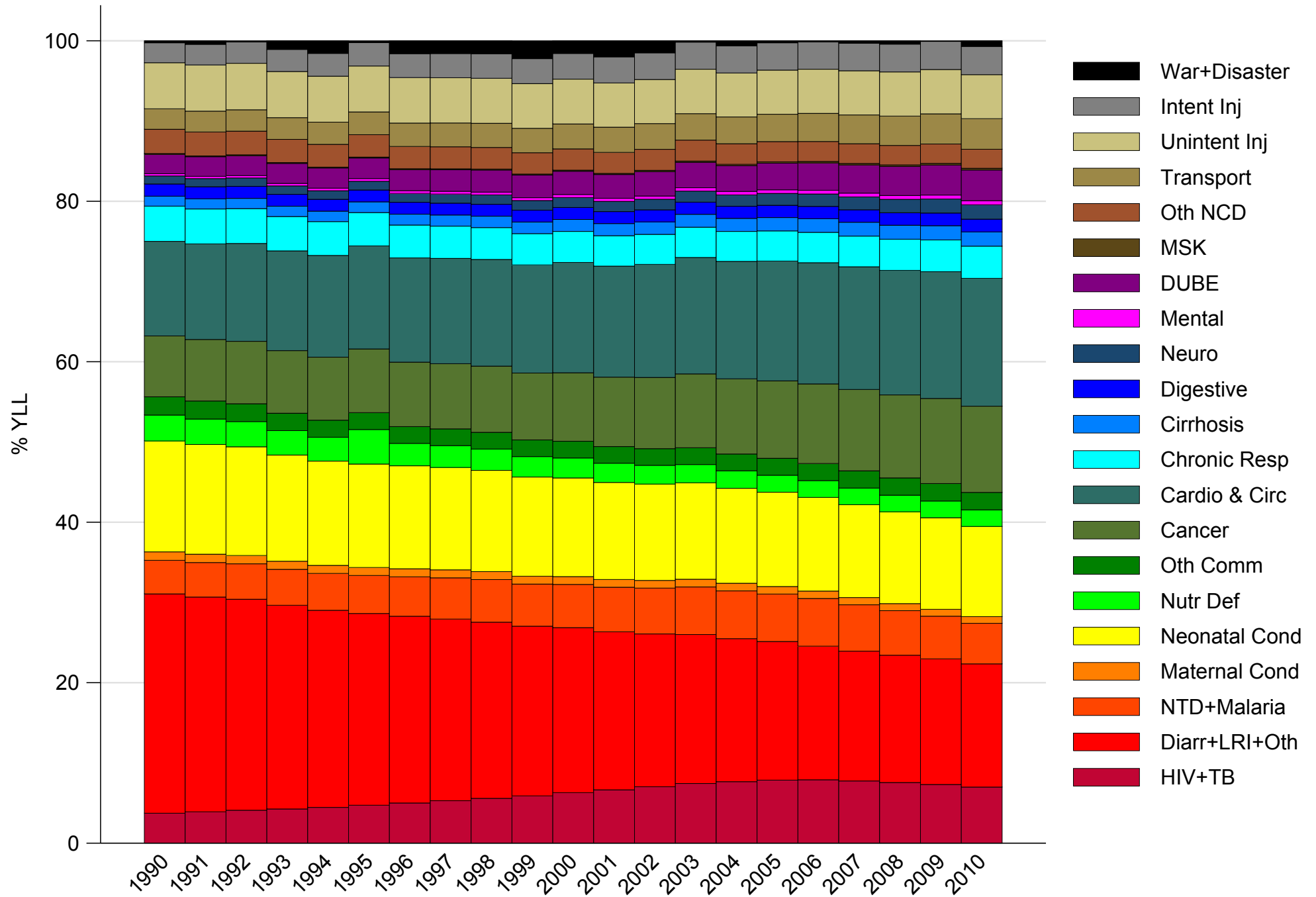


Figure 6 - Global YLL ranks for all ages and both sexes combined with 95 % UI for the top 25 causes and the percent change with 95 % UI from 1990 and 2010

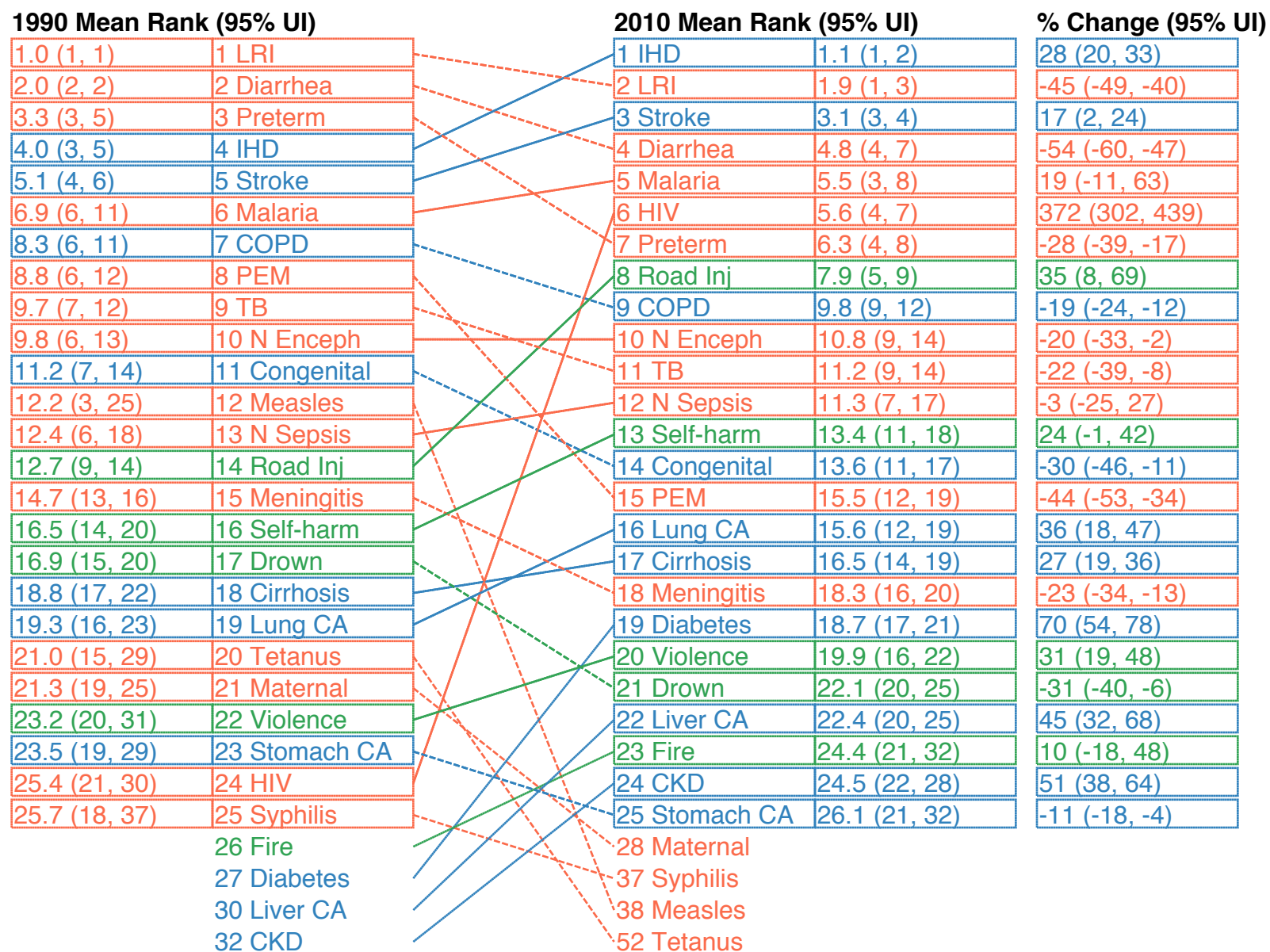


Figure 7 - Global YLL 95 % UI (millions) vs rank by cause in 2010

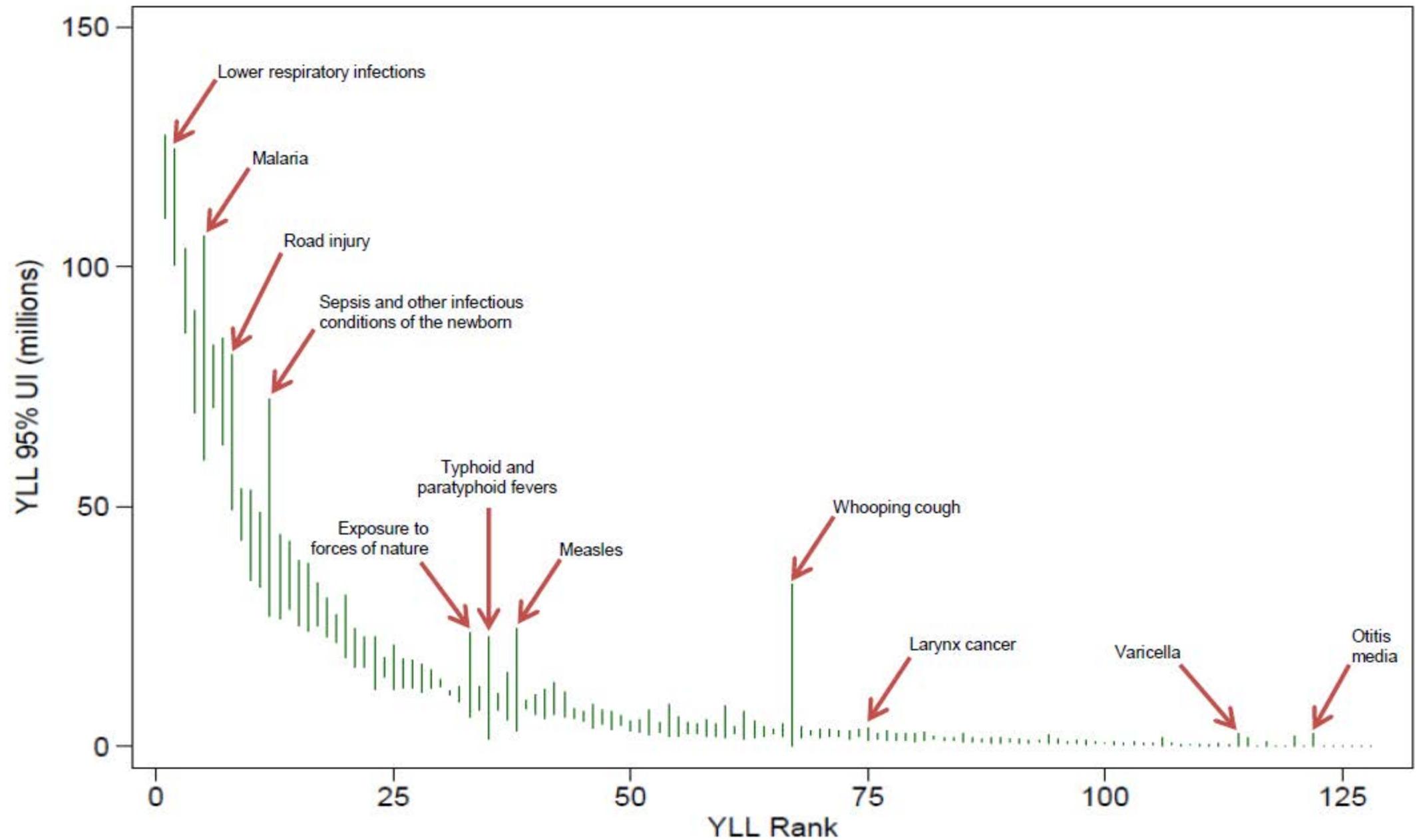


Figure 8a – Percentage of YLLs for all ages and both sexes combined by cause and region in 1990

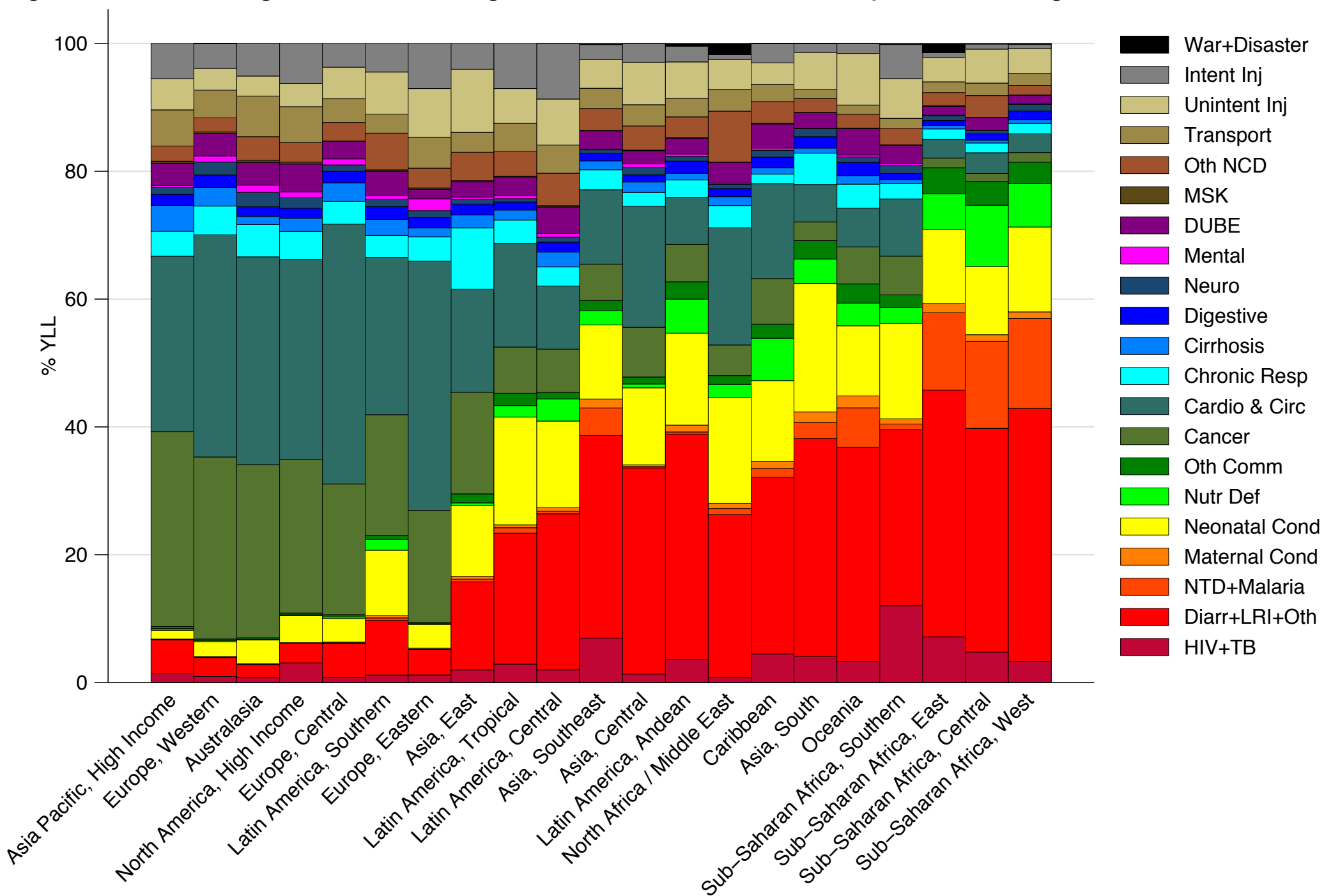


Figure 8b – Percentage of YLLs for all ages and both sexes combined by cause and region in 2010

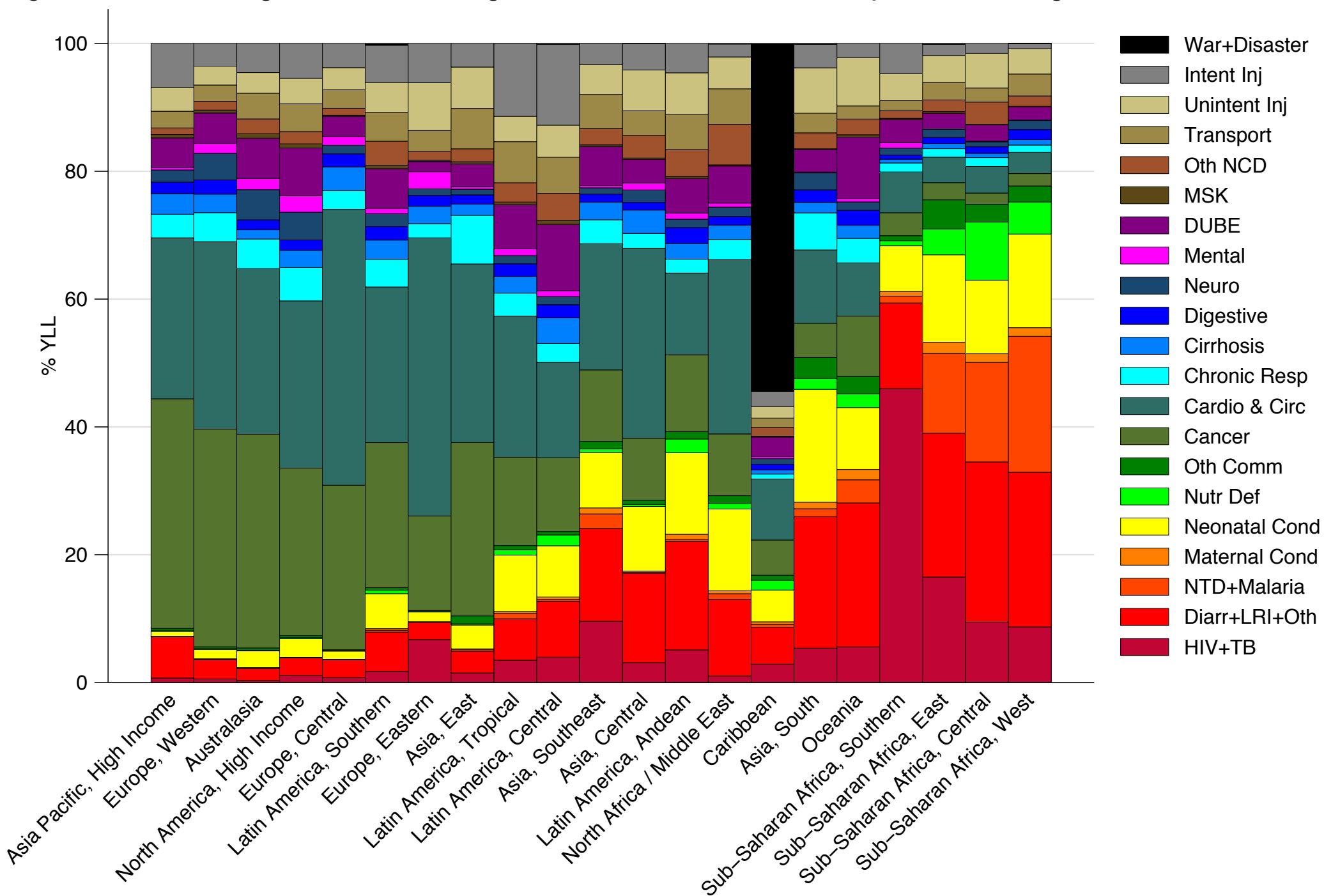


Figure 9 – Cancer death rates in 2010 for all ages and both sexes combined by cause and region

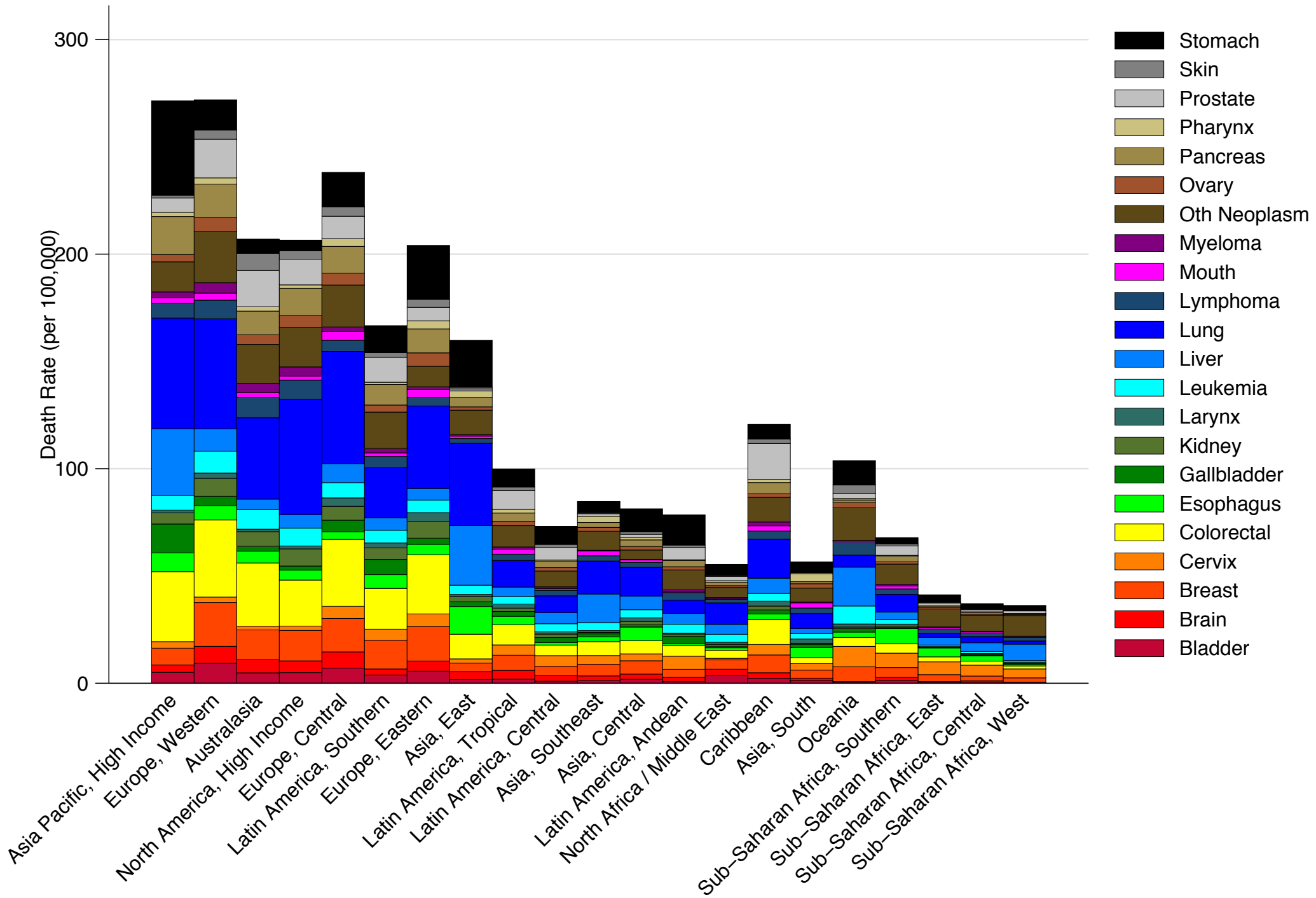


Table 1 - Decomposition analysis of the change of global death numbers (thousands) by Level 1 causes from 1990 to 2010 into total population growth, population changes in age-, sex- and cause-specific death rates

	All Causes	Communicable, Maternal, Neonatal, and Nutritional Conditions	Noncommunicable Diseases
1990 Deaths	46,511	15,859	26,560
Deaths Expected with 2010 Population, 1990 Population Age Structure, 1990 Death Rates	61,307	23,295	32,647
Deaths Expected with 2010 Population, 2010 Population Age Structure, 1990 Death Rates	70,316	21,513	43,062
2010 Deaths	52,770	13,156	34,540
Percent Change from 1990 Due to Population Growth	31.8%	46.9%	22.9%
Percent Change from 1990 Due to Population Aging	19.4%	-11.2%	39.2%
Percent Change from 1990 due to Change in Death Rates	-37.7%	-52.7%	-32.1%
Percent Change 1990 to 2010	13.5%	-17.0%	30.0%

ation aging and	
Injuries	
4,092	
5,365	
5,741	
5,073	
31.1%	
9.2%	
-16.3%	
24.0%	

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
All causes	46,511.2 (45,497.4–47,726.2)	52,769.7 (50,877.7–53,917.2)	13.5	999.1 (979.2–1,022.0)	784.5 (756.3–801.6)	-21.5
A. Communicable, maternal, neonatal and nutritional conditions	15,859.2 (15,065.8–16,842.5)	13,156.4 (12,377.2–13,807.6)	-17.0	271.1 (258.4–287.2)	189.8 (178.6–199.2)	-30.0
A.1. HIV/AIDS and tuberculosis	1,770.3 (1,600.2–2,032.7)	2,661.4 (2,358.1–2,895.7)	50.3	39.3 (35.4–45.2)	39.4 (34.8–42.9)	0.2
A.1.1. Tuberculosis	1,471.5 (1,318.5–1,716.1)	1,196.0 (923.7–1,376.8)	-18.7	33.3 (29.8–38.7)	18.0 (13.9–20.7)	-46.0
A.1.2. HIV/AIDS	298.8 (242.0–378.5)	1,465.4 (1,334.2–1,606.0)	390.4	6.0 (4.8–7.7)	21.4 (19.4–23.5)	258.4
A.1.2.1. HIV disease resulting in mycobacterial infection	53.8 (42.4–70.0)	256.9 (231.9–284.1)	377.2	1.1 (0.8–1.4)	3.7 (3.4–4.2)	254.4
A.1.2.2. HIV disease resulting in other specified or unspecified diseases	245.0 (197.7–312.6)	1,208.4 (1,091.6–1,333.9)	393.3	4.9 (3.9–6.3)	17.6 (15.9–19.5)	259.3
A.2. Diarrhea, LRI, meningitis, and other common infectious diseases	7,772.1 (7,136.0–8,769.2)	5,276.9 (4,742.2–5,790.4)	-32.1	131.9 (122.4–146.5)	76.4 (68.6–83.7)	-42.1
A.2.1. Diarrheal diseases	2,487.4 (2,306.8–2,661.9)	1,445.8 (1,278.9–1,607.0)	-41.9	41.0 (38.3–43.6)	20.9 (18.5–23.3)	-49.0
A.2.1.1. Cholera	120.9 (96.7–149.1)	58.1 (44.2–74.3)	-52.0	1.8 (1.4–2.2)	0.8 (0.6–1.0)	-54.5
A.2.1.2. Other salmonella infections	134.7 (107.5–162.4)	81.3 (61.8–101.7)	-39.6	2.3 (1.8–2.7)	1.2 (0.9–1.5)	-48.2
A.2.1.3. Shigellosis	194.0 (161.5–227.4)	122.8 (97.4–149.6)	-36.7	3.3 (2.8–3.9)	1.8 (1.4–2.2)	-46.5
A.2.1.4. Enteropathogenic Escherichia coli infection	205.5 (163.0–250.2)	88.7 (66.8–112.8)	-56.8	3.0 (2.4–3.6)	1.2 (0.9–1.6)	-58.2
A.2.1.5. Enterotoxigenic Escherichia coli infection	184.0 (155.6–218.2)	120.8 (95.7–147.6)	-34.4	3.3 (2.7–3.9)	1.8 (1.4–2.2)	-45.8
A.2.1.6. Campylobacter enteritis	210.8 (171.2–253.6)	109.7 (81.8–137.2)	-48.0	3.3 (2.7–4.0)	1.6 (1.2–2.0)	-52.5
A.2.1.7. Amoebiasis	67.7 (53.2–82.8)	55.5 (40.6–73.8)	-18.1	1.4 (1.1–1.7)	0.8 (0.6–1.1)	-39.0
A.2.1.8. Cryptosporidiosis	222.6 (181.5–264.7)	99.8 (76.1–125.0)	-55.2	3.2 (2.6–3.8)	1.4 (1.1–1.8)	-56.6
A.2.1.9. Rotaviral enteritis	523.3 (433.5–605.7)	250.9 (191.5–308.2)	-52.1	7.9 (6.5–9.2)	3.6 (2.7–4.4)	-54.9
A.2.1.10. Other diarrheal diseases	623.9 (466.5–814.3)	458.3 (339.1–603.9)	-26.5	11.6 (8.8–14.8)	6.8 (5.0–8.9)	-41.6
A.2.2. Typhoid and paratyphoid fevers	136.5 (16.5–254.7)	190.2 (23.8–359.1)	39.4	2.4 (0.3–4.4)	2.7 (0.3–5.1)	15.5
A.2.3. Lower respiratory infections	3,415.4 (3,109.5–3,650.9)	2,814.4 (2,487.8–3,033.0)	-17.6	62.3 (57.0–67.2)	41.0 (36.3–44.2)	-34.1
A.2.3.1. Influenza	574.6 (519.3–625.8)	507.9 (444.2–553.8)	-11.6	10.9 (10.0–11.8)	7.5 (6.5–8.1)	-31.8
A.2.3.2. Pneumococcal pneumonia	858.4 (778.5–932.3)	827.3 (718.4–899.5)	-3.6	17.0 (15.5–18.6)	12.1 (10.5–13.2)	-28.7
A.2.3.3. Haemophilus influenza type B pneumonia	606.9 (541.5–669.6)	379.9 (337.1–420.5)	-37.4	9.8 (8.9–10.8)	5.5 (4.8–6.0)	-44.4
A.2.3.4. Respiratory syncytial virus pneumonia	534.8 (463.4–608.4)	253.5 (215.0–296.6)	-52.6	7.6 (6.6–8.6)	3.5 (3.0–4.1)	-53.3
A.2.3.5. Other lower respiratory infections	840.6 (747.9–926.9)	845.8 (734.1–927.6)	0.6	16.9 (15.1–18.6)	12.4 (10.8–13.6)	-26.5
A.2.4. Upper respiratory infections	4.0 (3.6–4.2)	3.0 (2.7–3.4)	-23.6	0.1 (0.1–0.1)	<0.05 (0.0–0.05)	-36.2
A.2.5. Otitis media	5.2 (0.0–61.0)	3.5 (0.0–39.8)	-33.5	0.1 (0.0–1.0)	<0.05 (0.0–0.6)	-42.3
A.2.6. Meningitis	492.2 (444.1–583.3)	422.9 (360.2–471.7)	-14.1	8.1 (7.4–9.4)	6.1 (5.1–6.7)	-25.0
A.2.6.1. Pneumococcal meningitis	124.9 (111.8–149.3)	118.4 (98.4–132.0)	-5.2	2.1 (1.9–2.5)	1.7 (1.4–1.9)	-19.5
A.2.6.2. Haemophilus influenza type B meningitis	118.9 (103.2–148.5)	83.0 (70.6–97.0)	-30.2	1.8 (1.5–2.2)	1.2 (1.0–1.4)	-33.9
A.2.6.3. Meningococcal infection	77.1 (68.8–92.7)	75.0 (61.8–85.0)	-2.6	1.3 (1.2–1.5)	1.1 (0.9–1.2)	-16.5
A.2.6.4. Other meningitis	171.3 (153.2–199.2)	146.4 (119.8–164.4)	-14.6	2.9 (2.6–3.3)	2.1 (1.7–2.4)	-27.4
A.2.7. Encephalitis	143.5 (126.7–168.1)	119.3 (98.0–137.1)	-16.9	2.4 (2.1–2.8)	1.7 (1.4–2.0)	-28.3
A.2.8. Diphtheria	6.3 (0.0–53.0)	2.9 (0.0–24.9)	-53.5	0.1 (0.0–0.8)	<0.05 (0.0–0.3)	-55.2
A.2.9. Whooping cough	166.5 (0.6–815.7)	81.4 (0.3–399.0)	-51.1	2.3 (0.0–11.4)	1.1 (0.0–5.5)	-51.6
A.2.10. Tetanus	272.8 (163.4–456.1)	61.3 (31.0–114.0)	-77.5	4.1 (2.4–7.6)	0.9 (0.4–1.6)	-78.8
A.2.11. Measles	631.2 (188.2–1,492.6)	125.4 (41.3–295.5)	-80.1	9.0 (2.7–21.3)	1.7 (0.6–4.1)	-80.6

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
A.2.12. Varicella	11.2 (0.0–75.0)	6.8 (0.0–46.4)	-38.9	0.2 (0.0–1.3)	0.1 (0.0–0.7)	-50.8
A.3. Neglected tropical diseases and malaria	1,210.6 (1,014.1–1,485.4)	1,321.8 (1,055.6–1,677.6)	9.2	21.0 (17.5–25.9)	18.9 (15.1–23.9)	-10.0
A.3.1. Malaria	975.7 (781.2–1,239.5)	1,169.5 (916.5–1,526.9)	19.9	16.6 (13.4–21.3)	16.7 (13.0–21.7)	0.5
A.3.2. Chagas disease	9.3 (4.6–19.9)	10.3 (5.1–28.6)	10.8	0.2 (0.1–0.5)	0.2 (0.1–0.4)	-30.4
A.3.3. Leishmaniasis	87.2 (50.6–138.4)	51.6 (33.2–76.1)	-40.9	1.5 (0.9–2.4)	0.7 (0.5–1.1)	-51.3
A.3.4. African trypanosomiasis	33.5 (9.9–72.7)	9.1 (1.1–29.0)	-72.8	0.6 (0.2–1.4)	0.1 (0.0–0.4)	-79.2
A.3.5. Schistosomiasis	10.5 (0.0–62.9)	11.7 (0.0–69.8)	10.9	0.2 (0.0–1.5)	0.2 (0.0–1.1)	-28.6
A.3.6. Cysticercosis	0.7 (0.0–2.8)	1.2 (0.0–4.3)	58.5	<0.05 (0.0–0.1)	<0.05 (0.0–0.1)	7.3
A.3.7. Echinococcosis	2.0 (0.0–7.7)	1.2 (0.0–4.7)	-41.2	<0.05 (0.0–0.2)	<0.05 (0.0–0.1)	-62.2
A.3.11. Dengue	11.4 (3.7–23.5)	14.7 (6.1–24.3)	28.9	0.2 (0.1–0.4)	0.2 (0.1–0.4)	3.2
A.3.13. Rabies	54.1 (32.4–103.4)	26.4 (15.2–45.2)	-51.2	1.0 (0.6–1.9)	0.4 (0.2–0.7)	-61.7
A.3.14. Intestinal nematode infections	3.4 (0.0–16.4)	2.7 (0.0–13.0)	-21.7	0.1 (0.0–0.2)	<0.05 (0.0–0.2)	-27.3
A.3.14.1. Ascariasis	3.4 (0.0–16.4)	2.7 (0.0–13.0)	-21.7	0.1 (0.0–0.2)	<0.05 (0.0–0.2)	-27.3
A.3.16. Other neglected tropical diseases	22.9 (14.3–29.5)	23.7 (16.6–30.9)	3.4	0.5 (0.3–0.6)	0.3 (0.2–0.5)	-23.6
A.4. Maternal conditions	358.6 (297.7–429.4)	254.7 (203.8–303.3)	-29.0	6.9 (5.7–8.3)	3.7 (2.9–4.4)	-47.2
A.4.1. Maternal hemorrhage	84.8 (69.0–101.7)	58.3 (46.2–68.7)	-31.2	1.7 (1.4–2.0)	0.8 (0.7–1.0)	-49.8
A.4.2. Maternal sepsis	33.8 (28.0–41.6)	21.9 (17.6–26.7)	-35.3	0.6 (0.5–0.8)	0.3 (0.2–0.4)	-50.8
A.4.3. Hypertensive disorders of pregnancy	69.8 (57.6–85.0)	47.1 (37.7–57.2)	-32.5	1.3 (1.1–1.6)	0.7 (0.5–0.8)	-48.8
A.4.4. Obstructed labor	19.1 (15.6–23.8)	10.9 (8.6–13.5)	-43.0	0.4 (0.3–0.5)	0.2 (0.1–0.2)	-57.3
A.4.5. Abortion	56.1 (46.4–68.7)	37.1 (29.8–45.1)	-33.8	1.1 (0.9–1.3)	0.5 (0.4–0.6)	-50.3
A.4.6. Other maternal conditions	95.1 (78.4–112.8)	79.4 (63.0–92.4)	-16.6	1.9 (1.5–2.2)	1.1 (0.9–1.3)	-38.7
A.5. Neonatal conditions	3,081.1 (2,684.2–3,393.8)	2,236.4 (2,014.6–2,470.1)	-27.4	42.4 (36.9–46.7)	31.0 (27.9–34.3)	-26.8
A.5.1. Preterm birth complications	1,204.1 (998.1–1,376.8)	859.7 (731.6–990.1)	-28.6	16.6 (13.7–18.9)	11.9 (10.1–13.7)	-28.0
A.5.2. Neonatal encephalopathy (birth asphyxia and birth trauma)	638.1 (516.7–798.1)	511.4 (402.2–619.4)	-19.9	8.8 (7.1–11.0)	7.1 (5.6–8.6)	-19.2
A.5.3. Sepsis and other infectious conditions of the newborn	534.6 (292.0–817.1)	513.7 (317.6–841.0)	-3.9	7.4 (4.0–11.2)	7.1 (4.4–11.7)	-3.1
A.5.4. Other neonatal conditions	704.3 (529.1–860.3)	351.7 (293.5–429.8)	-50.1	9.7 (7.3–11.8)	4.9 (4.1–6.0)	-49.7
A.6. Nutritional deficiencies	976.9 (854.4–1,155.7)	684.1 (546.0–790.1)	-30.0	17.3 (15.1–20.4)	9.9 (7.9–11.5)	-42.8
A.6.1. Protein-energy malnutrition	883.0 (726.7–1,052.6)	599.8 (459.4–701.9)	-32.1	15.4 (12.6–18.3)	8.7 (6.6–10.1)	-43.7
A.6.2. Iodine deficiency	2.0 (1.7–2.4)	3.4 (2.4–3.8)	67.7	<0.05 (0.0–0.1)	<0.05 (0.0–0.1)	17.5
A.6.4. Iron-deficiency anemia	80.8 (66.5–97.8)	69.4 (51.6–78.9)	-14.1	1.6 (1.3–2.0)	1.0 (0.8–1.2)	-37.3
A.6.5. Other nutritional deficiencies	11.1 (9.6–14.0)	11.5 (8.0–12.8)	3.4	0.2 (0.2–0.3)	0.2 (0.1–0.2)	-31.4
A.7. Others diseases in group I	689.5 (569.9–815.1)	721.2 (626.8–830.4)	4.6	12.3 (10.4–14.2)	10.6 (9.2–12.1)	-14.3
A.7.1. Sexually transmitted diseases excluding HIV	209.4 (130.0–324.3)	118.3 (71.6–187.7)	-43.5	3.0 (1.9–4.6)	1.6 (1.0–2.6)	-45.6
A.7.1.1. Syphilis	202.9 (121.9–315.8)	113.3 (66.9–181.7)	-44.1	2.9 (1.8–4.4)	1.6 (0.9–2.5)	-45.4
A.7.1.2. Sexually transmitted chlamydial diseases	1.5 (0.8–2.0)	1.2 (0.8–1.8)	-23.7	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	-49.1
A.7.1.3. Gonococcal infection	1.1 (0.6–1.5)	0.9 (0.6–1.3)	-23.6	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	-49.0
A.7.1.5. Other sexually transmitted diseases	3.8 (2.0–5.0)	2.9 (2.0–4.5)	-23.6	0.1 (0.0–0.1)	<0.05 (0.0–0.1)	-49.0
A.7.2. Hepatitis	210.2 (200.3–221.1)	307.7 (268.2–356.5)	46.4	4.4 (4.2–4.6)	4.6 (4.0–5.3)	4.6
A.7.2.1. Acute hepatitis A	99.0 (56.5–154.2)	102.8 (51.2–228.1)	3.9	2.1 (1.1–3.3)	1.5 (0.8–3.4)	-25.1
A.7.2.2. Acute hepatitis B	68.6 (46.7–84.4)	132.2 (91.1–169.7)	92.7	1.5 (1.1–1.9)	2.0 (1.4–2.6)	29.2

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
A.7.2.3. Acute hepatitis C	8.1 (4.9–11.6)	16.0 (11.6–21.4)	97.1	0.2 (0.1–0.3)	0.2 (0.2–0.3)	25.6
A.7.2.4. Acute hepatitis E	34.5 (19.6–55.0)	56.6 (23.3–113.3)	64.2	0.6 (0.3–0.9)	0.8 (0.3–1.6)	36.1
A.7.4. Other infectious diseases	269.9 (192.2–320.5)	295.2 (205.6–362.1)	9.4	4.9 (3.5–5.7)	4.3 (3.0–5.3)	-11.8
B. Noncommunicable diseases	26,560.3 (25,843.4–27,249.3)	34,539.9 (33,164.7–35,313.0)	30.0	645.9 (629.9–662.9)	520.4 (499.5–532.0)	-19.4
B.1. Neoplasms	5,779.1 (5,415.9–6,201.9)	7,977.9 (7,337.1–8,403.8)	38.0	140.8 (131.9–151.4)	121.4 (111.6–127.9)	-13.8
B.1.1. Oesophagus cancer	344.7 (279.7–428.8)	395.2 (298.4–482.1)	14.7	8.5 (6.9–10.6)	6.1 (4.6–7.4)	-28.7
B.1.2. Stomach cancer	774.1 (602.8–1,014.2)	754.9 (571.9–990.4)	-2.5	19.0 (14.8–25.0)	11.5 (8.7–15.1)	-39.5
B.1.3. Liver cancer	463.0 (386.5–526.8)	752.1 (643.6–880.3)	62.4	11.2 (9.4–12.8)	11.5 (9.8–13.4)	2.3
B.1.3.1. Liver cancer secondary to hepatitis B	210.2 (176.9–239.4)	341.4 (290.1–402.6)	62.4	5.1 (4.3–5.8)	5.2 (4.4–6.1)	2.6
B.1.3.2. Liver cancer secondary to hepatitis C	113.0 (96.6–129.3)	195.7 (165.2–222.0)	73.3	2.8 (2.4–3.2)	3.0 (2.5–3.4)	7.6
B.1.3.3. Liver cancer secondary to alcohol use	93.4 (78.6–106.4)	149.0 (127.3–172.6)	59.5	2.3 (1.9–2.6)	2.3 (1.9–2.6)	-0.1
B.1.3.4. Other liver cancer	46.5 (38.2–52.6)	66.0 (57.2–77.3)	42.0	1.1 (0.9–1.2)	1.0 (0.9–1.2)	-7.7
B.1.4. Larynx cancer	81.9 (43.5–133.4)	98.3 (52.8–159.2)	20.1	2.0 (1.1–3.3)	1.5 (0.8–2.4)	-25.1
B.1.5. Trachea, bronchus and lung cancers	1,036.3 (825.8–1,314.3)	1,527.1 (1,126.3–1,779.4)	47.4	25.5 (20.4–32.4)	23.4 (17.3–27.3)	-8.3
B.1.6. Breast cancer	319.1 (310.1–337.0)	438.7 (420.1–461.9)	37.5	7.8 (7.6–8.3)	6.6 (6.4–7.0)	-15.3
B.1.7. Cervix uteri cancer	192.3 (120.5–264.4)	225.4 (145.2–311.5)	17.3	4.7 (2.9–6.4)	3.4 (2.2–4.7)	-26.9
B.1.8. Corpus uteri cancer	45.2 (25.3–79.4)	58.6 (27.5–87.8)	29.7	1.1 (0.6–2.0)	0.9 (0.4–1.3)	-20.2
B.1.9. Prostate cancer	155.6 (88.8–239.6)	256.0 (141.1–404.4)	64.5	4.0 (2.3–6.1)	3.8 (2.1–6.1)	-3.1
B.1.10. Colon and rectum cancers	490.5 (417.2–547.3)	714.6 (627.9–822.6)	45.7	12.2 (10.4–13.6)	10.8 (9.5–12.5)	-10.9
B.1.11. Mouth cancer	81.9 (68.6–88.3)	123.9 (104.2–136.3)	51.2	2.0 (1.7–2.2)	1.9 (1.6–2.1)	-5.9
B.1.12. Nasopharynx cancer	45.2 (29.9–59.6)	64.9 (42.3–83.3)	43.6	1.1 (0.7–1.4)	1.0 (0.6–1.3)	-8.2
B.1.13. Cancer of other part of pharynx and oropharynx	74.0 (43.8–90.9)	102.4 (59.5–128.5)	38.3	1.8 (1.1–2.2)	1.6 (0.9–2.0)	-12.9
B.1.14. Gallbladder and biliary tract cancer	97.4 (66.1–136.0)	151.7 (100.4–206.8)	55.7	2.4 (1.6–3.4)	2.3 (1.5–3.1)	-4.7
B.1.15. Pancreas cancer	200.0 (154.1–261.5)	310.2 (231.7–393.1)	55.1	5.0 (3.8–6.5)	4.7 (3.5–6.0)	-4.8
B.1.16. Malignant melanoma of skin	31.0 (20.3–46.6)	49.1 (29.9–69.5)	58.4	0.8 (0.5–1.1)	0.7 (0.5–1.1)	-1.5
B.1.17. Non-melanoma skin cancer	20.5 (12.5–32.7)	30.6 (17.5–46.3)	49.6	0.5 (0.3–0.8)	0.5 (0.3–0.7)	-10.7
B.1.18. Ovary cancer	113.6 (82.9–138.8)	160.5 (115.9–200.6)	41.2	2.8 (2.0–3.4)	2.4 (1.8–3.1)	-12.1
B.1.19. Testis cancer	6.5 (3.8–8.3)	7.7 (4.8–10.0)	18.6	0.1 (0.1–0.2)	0.1 (0.1–0.1)	-18.9
B.1.20. Kidney and other urinary organ cancers	85.1 (62.0–112.9)	162.1 (125.5–219.8)	90.6	2.1 (1.5–2.7)	2.5 (1.9–3.3)	19.4
B.1.21. Bladder cancer	123.4 (100.2–148.5)	170.7 (131.1–201.2)	38.3	3.1 (2.5–3.7)	2.6 (2.0–3.0)	-16.3
B.1.22. Brain and nervous system cancers	131.5 (88.7–188.3)	195.5 (115.1–239.3)	48.7	3.0 (2.1–4.4)	3.0 (1.7–3.6)	-2.5
B.1.23. Thyroid cancer	24.0 (18.0–29.9)	36.0 (26.4–43.2)	50.2	0.6 (0.4–0.7)	0.5 (0.4–0.7)	-6.7
B.1.24. Hodgkin's disease	18.9 (11.8–26.2)	17.7 (11.6–25.5)	-6.0	0.4 (0.3–0.6)	0.3 (0.2–0.4)	-36.7
B.1.25. Non-Hodgkin's lymphoma	143.2 (119.4–158.9)	210.0 (166.0–228.5)	46.7	3.3 (2.8–3.7)	3.2 (2.5–3.4)	-5.0
B.1.26. Multiple myeloma	49.3 (34.5–71.2)	74.1 (48.9–102.2)	50.4	1.2 (0.9–1.8)	1.1 (0.7–1.6)	-7.5
B.1.27. Leukemia	218.3 (175.7–269.2)	281.3 (219.6–328.0)	28.9	4.7 (3.8–5.9)	4.2 (3.3–4.9)	-11.5
B.1.28. Other neoplasms	412.7 (319.5–521.9)	608.4 (441.2–737.3)	47.4	9.8 (7.6–12.4)	9.2 (6.7–11.2)	-5.7
B.2. Cardiovascular and circulatory diseases	11,903.7 (11,329.4–12,589.3)	15,616.1 (14,542.2–16,315.1)	31.2	298.1 (283.9–314.9)	234.8 (218.7–245.2)	-21.2
B.2.1. Rheumatic heart disease	462.6 (431.5–517.7)	345.1 (305.8–374.3)	-25.4	11.1 (10.3–12.4)	5.2 (4.6–5.6)	-53.1

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
B.2.2. Ischemic heart disease	5,211.8 (5,014.5–5,643.9)	7,029.3 (6,577.2–7,431.1)	34.9	131.3 (126.4–142.2)	105.7 (98.8–111.9)	-19.5
B.2.3. Cerebrovascular disease	4,660.4 (4,436.1–5,154.9)	5,874.2 (5,304.7–6,280.1)	26.0	117.3 (111.5–129.7)	88.4 (79.8–94.4)	-24.6
B.2.3.1. Ischemic stroke	2,241.1 (2,088.0–2,494.9)	2,835.4 (2,657.0–3,262.8)	26.5	57.6 (53.7–64.0)	42.3 (39.6–48.7)	-26.6
B.2.3.2. Hemorrhagic and other non-ischemic stroke	2,419.4 (2,050.9–2,827.9)	3,038.8 (2,643.4–3,496.9)	25.6	59.7 (50.6–69.7)	46.1 (40.1–53.1)	-22.7
B.2.4. Hypertensive heart disease	590.7 (481.0–740.6)	873.2 (715.5–1,074.1)	47.8	14.9 (12.1–18.6)	13.1 (10.8–16.2)	-11.5
B.2.5. Cardiomyopathy and myocarditis	286.8 (250.5–316.8)	403.9 (361.5–450.4)	40.8	6.7 (5.9–7.4)	6.1 (5.4–6.8)	-9.8
B.2.6. Atrial fibrillation and flutter	34.4 (27.9–43.1)	114.7 (92.7–144.7)	233.9	0.9 (0.7–1.1)	1.7 (1.4–2.1)	89.6
B.2.7. Aortic aneurysm	131.9 (94.6–173.3)	191.7 (140.3–249.2)	45.3	3.3 (2.4–4.3)	2.9 (2.1–3.8)	-12.7
B.2.8. Peripheral vascular disease	18.6 (12.2–28.7)	49.8 (32.9–74.8)	167.0	0.5 (0.3–0.7)	0.7 (0.5–1.1)	53.3
B.2.9. Endocarditis	35.8 (30.0–44.4)	48.3 (39.3–55.4)	34.8	0.8 (0.7–1.0)	0.7 (0.6–0.8)	-8.0
B.2.10. Other cardiovascular and circulatory diseases	470.6 (446.3–489.9)	685.9 (664.0–705.3)	45.7	11.5 (11.0–11.9)	10.3 (9.9–10.5)	-10.9
B.3. Chronic respiratory diseases	3,986.3 (3,914.3–4,063.8)	3,776.3 (3,648.2–3,934.1)	-5.3	98.2 (96.4–100.1)	57.0 (55.1–59.4)	-41.9
B.3.1. Chronic obstructive pulmonary disease	3,099.0 (2,914.2–3,338.6)	2,899.9 (2,669.3–3,245.8)	-6.4	77.4 (72.8–83.3)	43.8 (40.4–49.1)	-43.3
B.3.2. Pneumoconiosis	167.0 (86.3–295.2)	124.7 (78.3–196.9)	-25.3	4.2 (2.2–7.3)	1.9 (1.2–3.0)	-54.8
B.3.3. Asthma	380.2 (273.8–589.6)	345.7 (282.6–529.1)	-9.1	9.0 (6.6–13.9)	5.2 (4.3–8.0)	-42.1
B.3.4. Interstitial lung disease and pulmonary sarcoidosis	65.0 (44.5–89.8)	115.1 (76.7–152.0)	77.2	1.6 (1.1–2.2)	1.7 (1.2–2.3)	9.1
B.3.5. Other chronic respiratory diseases	275.2 (200.8–375.8)	290.8 (226.8–356.5)	5.7	6.0 (4.4–8.1)	4.3 (3.4–5.3)	-28.3
B.4. Cirrhosis of the liver	777.8 (663.1–867.9)	1,030.8 (868.8–1,160.5)	32.5	18.6 (15.8–20.7)	15.6 (13.2–17.6)	-15.8
B.4.1. Cirrhosis of the liver secondary to hepatitis B	241.7 (198.5–270.5)	312.4 (270.8–378.3)	29.3	5.8 (4.8–6.5)	4.8 (4.1–5.8)	-18.5
B.4.2. Cirrhosis of the liver secondary to hepatitis C	211.9 (181.1–240.7)	287.4 (245.4–330.5)	35.6	5.2 (4.4–5.9)	4.4 (3.7–5.0)	-15.3
B.4.3. Cirrhosis of the liver secondary to alcohol use	206.1 (168.6–245.3)	282.8 (225.6–335.0)	37.2	5.0 (4.1–5.9)	4.3 (3.4–5.1)	-13.9
B.4.4. Other cirrhosis of the liver	118.2 (101.4–136.7)	148.2 (126.6–173.0)	25.4	2.6 (2.2–3.0)	2.2 (1.9–2.6)	-14.4
B.5. Digestive diseases (except cirrhosis)	973.1 (877.1–1,063.5)	1,111.7 (999.5–1,210.0)	14.2	22.9 (20.7–25.0)	16.7 (15.0–18.1)	-27.2
B.5.1. Peptic ulcer disease	319.3 (265.9–338.8)	246.3 (215.0–282.2)	-22.9	7.5 (6.3–8.0)	3.7 (3.2–4.2)	-50.9
B.5.2. Gastritis and duodenitis	15.6 (11.3–21.1)	14.3 (11.0–18.2)	-8.7	0.4 (0.3–0.5)	0.2 (0.2–0.3)	-42.1
B.5.3. Appendicitis	39.5 (27.2–57.0)	34.8 (22.0–46.9)	-12.0	0.8 (0.6–1.2)	0.5 (0.3–0.7)	-38.1
B.5.4. Paralytic ileus and intestinal obstruction without hernia	121.0 (78.7–141.1)	148.1 (112.1–192.2)	22.4	2.8 (1.8–3.2)	2.2 (1.7–2.9)	-20.9
B.5.5. Inguinal/femoral hernia	23.3 (22.8–23.7)	17.1 (16.7–17.3)	-26.7	0.5 (0.5–0.6)	0.3 (0.2–0.3)	-53.4
B.5.6. Noninfective inflammatory bowel disease	29.5 (16.8–37.7)	34.0 (23.6–39.7)	15.1	0.6 (0.4–0.8)	0.5 (0.3–0.6)	-20.3
B.5.7. Vascular disorders of intestine	51.4 (28.9–104.6)	73.4 (41.2–150.0)	42.9	1.3 (0.7–2.6)	1.1 (0.6–2.3)	-15.2
B.5.8. Gall bladder and bile duct disease	74.0 (63.6–93.6)	89.1 (72.1–105.0)	20.4	1.8 (1.5–2.2)	1.3 (1.1–1.6)	-25.5
B.5.9. Pancreatitis	51.6 (37.7–64.6)	76.6 (57.4–95.5)	48.5	1.2 (0.9–1.5)	1.2 (0.9–1.4)	-6.0
B.5.10. Other digestive diseases	247.9 (194.2–296.2)	378.1 (301.6–500.4)	52.5	5.9 (4.6–7.0)	5.7 (4.5–7.5)	-3.1
B.6. Neurological conditions	594.5 (468.3–703.0)	1,273.8 (980.9–1,466.9)	114.3	13.7 (10.8–16.1)	18.8 (14.5–21.8)	37.8
B.6.1. Alzheimer's disease and other dementias	141.2 (110.8–208.5)	485.7 (307.8–590.5)	244.0	3.6 (2.8–5.4)	7.1 (4.5–8.6)	95.4
B.6.2. Parkinson's disease	53.5 (42.4–70.1)	111.1 (81.2–138.6)	107.7	1.4 (1.1–1.8)	1.7 (1.2–2.1)	20.8
B.6.3. Epilepsy	130.2 (86.4–167.7)	177.6 (119.7–222.3)	36.4	2.6 (1.8–3.1)	2.6 (1.7–3.2)	1.0
B.6.4. Multiple sclerosis	15.4 (11.4–18.8)	18.2 (14.1–21.8)	17.8	0.4 (0.3–0.4)	0.3 (0.2–0.3)	-25.0
B.6.7. Other neurological conditions	254.2 (154.1–343.1)	481.1 (317.9–690.7)	89.3	5.7 (3.5–7.7)	7.2 (4.8–10.4)	25.9

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
B.7. Mental and behavioral disorders	138.1 (95.2–188.0)	231.9 (176.3–329.1)	68.0	3.2 (2.2–4.3)	3.5 (2.6–4.9)	9.3
B.7.1. Schizophrenia	20.0 (13.1–24.6)	19.8 (16.6–25.0)	-1.3	0.5 (0.3–0.6)	0.3 (0.2–0.4)	-36.7
B.7.2. Alcohol use disorders	74.6 (40.1–119.2)	111.1 (64.0–186.3)	48.9	1.8 (1.0–2.8)	1.7 (1.0–2.8)	-5.0
B.7.3. Drug use disorders	26.6 (15.5–56.4)	77.6 (48.8–124.4)	191.7	0.5 (0.3–1.2)	1.1 (0.7–1.8)	112.5
B.7.3.1. Opioid use disorders	8.9 (5.0–18.7)	43.0 (26.9–68.4)	385.8	0.2 (0.1–0.4)	0.6 (0.4–1.0)	257.5
B.7.3.2. Cocaine use disorders	1.2 (0.7–2.7)	0.5 (0.2–0.5)	-55.1	<0.05 (0.0–0.1)	<0.05 (0.0–0.05)	-67.7
B.7.3.3. Amphetamine use disorders	0.3 (0.1–0.5)	0.5 (0.1–0.3)	40.1	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	1.5
B.7.3.5. Other drug use disorders	16.2 (9.6–34.2)	33.6 (21.9–55.9)	107.3	0.3 (0.2–0.7)	0.5 (0.3–0.8)	50.3
B.7.7. Eating disorders	5.4 (2.4–8.3)	7.3 (4.5–9.9)	35.0	0.1 (0.1–0.2)	0.1 (0.1–0.1)	-12.8
B.7.11. Other mental and behavioral disorders	11.4 (5.2–17.0)	16.1 (9.8–22.1)	41.7	0.3 (0.1–0.4)	0.2 (0.1–0.3)	-11.4
B.8. Diabetes, urogenital, blood, and endocrine diseases	1,544.3 (1,420.0–1,804.0)	2,726.2 (2,447.1–2,999.1)	76.5	36.1 (33.4–41.6)	41.0 (36.8–45.1)	13.8
B.8.1. Diabetes mellitus	665.0 (593.3–757.5)	1,281.3 (1,065.2–1,347.9)	92.7	16.3 (14.5–18.6)	19.5 (16.2–20.5)	19.7
B.8.2. Acute glomerulonephritis	135.2 (57.4–357.3)	84.2 (41.4–191.8)	-37.7	2.7 (1.2–7.4)	1.2 (0.6–2.8)	-54.5
B.8.3. Chronic kidney diseases	403.5 (354.5–468.9)	735.6 (612.1–810.4)	82.3	9.6 (8.4–11.2)	11.1 (9.2–12.2)	15.4
B.8.3.1. Chronic kidney disease due to diabetes mellitus	91.9 (79.7–109.9)	178.3 (147.7–198.4)	94.1	2.3 (2.0–2.7)	2.7 (2.3–3.0)	19.2
B.8.3.2. Chronic kidney disease due to hypertension	91.5 (80.1–106.9)	175.3 (147.0–193.3)	91.5	2.2 (2.0–2.6)	2.6 (2.2–2.9)	18.5
B.8.3.3. Chronic kidney disease unspecified	220.2 (191.9–252.9)	382.0 (317.9–422.3)	73.5	5.1 (4.5–5.9)	5.7 (4.8–6.3)	12.3
B.8.4. Urinary diseases and male infertility	140.1 (102.5–172.6)	267.1 (204.5–343.4)	90.7	3.4 (2.5–4.2)	4.0 (3.0–5.1)	18.0
B.8.4.1. Tubulointerstitial nephritis, pyelonephritis, and urinary tract infections	83.0 (61.4–107.2)	163.3 (109.1–199.8)	96.7	2.0 (1.5–2.6)	2.4 (1.6–3.0)	20.0
B.8.4.2. Urolithiasis	18.4 (12.4–27.8)	19.0 (11.0–26.0)	3.1	0.5 (0.3–0.7)	0.3 (0.2–0.4)	-36.8
B.8.4.5. Other urinary diseases	38.6 (26.2–49.3)	84.9 (63.5–114.1)	119.6	0.9 (0.6–1.1)	1.3 (1.0–1.7)	40.8
B.8.5. Gynecological diseases	5.1 (3.7–6.4)	7.0 (5.9–8.0)	39.0	0.1 (0.1–0.1)	0.1 (0.1–0.1)	-9.0
B.8.5.1. Uterine fibroids	0.4 (0.3–0.5)	0.8 (0.6–0.9)	85.7	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	16.5
B.8.5.4. Endometriosis	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	91.5	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	28.6
B.8.5.5. Genital prolapse	0.2 (0.1–0.2)	0.4 (0.3–0.4)	118.5	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	32.5
B.8.5.7. Other gynecological diseases	4.5 (3.2–5.7)	5.9 (4.9–6.7)	31.5	0.1 (0.1–0.1)	0.1 (0.1–0.1)	-13.4
B.8.6. Hemoglobinopathies and hemolytic anemias	111.4 (72.8–160.4)	114.8 (86.2–151.1)	3.1	2.1 (1.4–3.0)	1.7 (1.3–2.2)	-22.2
B.8.6.1. Thalassemias	25.1 (17.0–34.4)	17.9 (15.1–20.4)	-28.9	0.4 (0.3–0.6)	0.3 (0.2–0.3)	-41.3
B.8.6.2. Sickle cell disorders	23.8 (15.1–32.7)	28.6 (16.8–40.9)	20.5	0.4 (0.3–0.5)	0.4 (0.2–0.6)	3.6
B.8.6.3. G6PD deficiency	4.3 (3.4–5.3)	4.0 (3.5–4.6)	-5.6	0.1 (0.1–0.1)	0.1 (0.1–0.1)	-31.8
B.8.6.4. Other hemoglobinopathies and hemolytic anemias	58.3 (36.2–91.2)	64.3 (40.9–89.2)	10.3	1.2 (0.8–1.8)	0.9 (0.6–1.3)	-23.0
B.8.7. Other endocrine, nutritional, blood, and immune disorders	84.0 (42.3–115.5)	236.1 (148.8–417.9)	181.2	1.8 (0.9–2.5)	3.5 (2.2–6.2)	91.8
B.9. Musculoskeletal diseases	69.5 (46.2–89.6)	153.5 (110.7–214.8)	121.0	1.7 (1.1–2.2)	2.3 (1.7–3.2)	37.8
B.9.1. Rheumatoid arthritis	33.5 (23.5–43.5)	48.9 (37.9–68.6)	45.8	0.8 (0.6–1.1)	0.7 (0.6–1.0)	-9.9
B.9.5. Other musculoskeletal diseases	36.0 (25.0–42.8)	104.7 (83.8–143.7)	191.0	0.8 (0.6–1.0)	1.6 (1.2–2.1)	84.0
B.10. Other noncommunicable diseases	793.9 (670.6–970.4)	641.7 (524.8–721.4)	-19.2	12.7 (10.8–15.3)	9.2 (7.5–10.3)	-28.0
B.10.1. Congenital anomalies	663.2 (551.7–843.4)	510.4 (404.7–596.3)	-23.0	10.1 (8.4–12.7)	7.2 (5.7–8.4)	-28.3
B.10.1.1. Neural tube defects	118.5 (70.5–173.3)	70.8 (39.8–104.6)	-40.3	1.7 (1.0–2.5)	1.0 (0.6–1.5)	-42.2
B.10.1.2. Congenital heart anomalies	278.9 (234.9–355.9)	223.6 (199.5–246.7)	-19.8	4.3 (3.7–5.3)	3.2 (2.8–3.5)	-26.4
B.10.1.3. Cleft lip and cleft palate	8.4 (3.3–16.6)	3.7 (2.1–5.5)	-56.2	0.1 (0.0–0.2)	0.1 (0.0–0.1)	-56.2

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ
B.10.1.5. Down's syndrome	22.0 (9.8–37.5)	17.4 (11.1–25.4)	-21.0	0.3 (0.2–0.6)	0.2 (0.2–0.4)	-28.3
B.10.1.6. Other chromosomal abnormalities	34.6 (11.9–80.3)	18.9 (9.7–33.8)	-45.4	0.5 (0.2–1.1)	0.3 (0.1–0.5)	-46.8
B.10.1.7. Other congenital anomalies	200.8 (115.8–298.9)	176.0 (118.9–218.7)	-12.3	3.1 (1.9–4.5)	2.5 (1.7–3.1)	-19.3
B.10.2. Skin and subcutaneous diseases	100.6 (77.5–118.3)	109.2 (84.9–124.0)	8.5	2.2 (1.7–2.6)	1.6 (1.3–1.8)	-26.5
B.10.2.3. Cellulitis	26.1 (19.9–30.8)	26.6 (20.4–30.2)	2.0	0.6 (0.4–0.7)	0.4 (0.3–0.5)	-28.9
B.10.2.4. Abscess, impetigo, and other bacterial skin diseases	42.1 (31.2–51.0)	39.7 (31.1–45.1)	-5.7	0.8 (0.6–1.0)	0.6 (0.5–0.7)	-30.6
B.10.2.12. Decubitus ulcer	32.1 (26.0–38.5)	42.6 (32.9–48.7)	32.5	0.8 (0.6–1.0)	0.6 (0.5–0.7)	-20.6
B.10.2.13. Other skin and subcutaneous diseases	0.3 (0.1–0.1)	0.4 (0.1–0.1)	4.4	<0.05 (0.0–0.05)	<0.05 (0.0–0.05)	-28.7
B.10.5. Sudden infant death syndrome	30.0 (15.4–56.7)	22.0 (13.1–36.5)	-26.7	0.4 (0.2–0.8)	0.3 (0.2–0.5)	-26.7
C. Injuries	4,091.7 (3,851.9–4,489.7)	5,073.3 (4,556.7–5,548.1)	24.0	82.0 (77.2–90.3)	74.3 (66.8–81.3)	-9.3
C.1. Transport injuries	958.2 (770.4–1,175.0)	1,396.8 (1,101.4–1,850.1)	45.8	19.4 (15.4–23.6)	20.5 (16.1–27.1)	5.9
C.1.1. Road injury	907.9 (764.1–1,123.4)	1,328.5 (1,050.9–1,747.0)	46.3	18.4 (15.4–22.7)	19.5 (15.4–25.6)	6.2
C.1.1.1. Pedestrian injury by road vehicle	284.1 (210.6–333.9)	461.0 (337.1–617.3)	62.3	5.8 (4.2–6.7)	6.8 (5.0–9.1)	17.6
C.1.1.2. Pedal cycle vehicle	54.9 (41.7–66.7)	83.3 (62.3–101.4)	51.7	1.1 (0.9–1.4)	1.2 (0.9–1.5)	7.8
C.1.1.3. Motorized vehicle with two wheels	131.7 (99.4–163.4)	206.4 (159.7–233.8)	56.7	2.6 (2.0–3.3)	3.0 (2.3–3.4)	14.4
C.1.1.4. Motorized vehicle with three or more wheels	336.9 (268.8–420.5)	474.5 (379.3–581.4)	40.9	6.8 (5.5–8.4)	7.0 (5.6–8.5)	2.4
C.1.1.5. Road injury other	100.3 (49.0–182.3)	103.3 (50.7–202.2)	3.0	2.0 (1.0–3.7)	1.5 (0.7–3.0)	-25.2
C.1.2. Other transport injury	50.2 (41.7–65.1)	68.3 (58.0–82.7)	35.9	1.0 (0.8–1.3)	1.0 (0.8–1.2)	-0.0
C.2. Unintentional injuries other than transport injuries	2,030.1 (1,896.0–2,266.8)	2,122.8 (1,867.5–2,283.8)	4.6	39.6 (37.1–44.3)	31.0 (27.3–33.4)	-21.6
C.2.1. Falls	348.6 (311.2–415.3)	540.5 (415.2–611.9)	55.0	7.8 (7.0–9.4)	8.0 (6.1–9.1)	2.0
C.2.2. Drowning	432.9 (353.3–516.1)	349.1 (299.9–437.8)	-19.4	7.5 (6.3–9.0)	5.1 (4.3–6.3)	-33.1
C.2.3. Fire, heat and hot substances	280.1 (233.6–330.1)	337.6 (234.7–433.8)	20.5	5.3 (4.5–6.3)	4.9 (3.4–6.3)	-7.3
C.2.4. Poisonings	202.9 (157.3–326.8)	180.4 (130.1–239.9)	-11.1	4.0 (3.2–6.5)	2.6 (1.9–3.5)	-34.4
C.2.5. Exposure to mechanical forces	276.0 (199.6–417.1)	215.6 (154.6–255.3)	-21.9	5.5 (4.0–8.1)	3.2 (2.3–3.7)	-42.2
C.2.5.1. Mechanical forces firearm	127.5 (76.8–206.0)	79.8 (52.0–127.1)	-37.4	2.5 (1.5–4.1)	1.2 (0.8–1.8)	-53.2
C.2.5.2. Mechanical forces other	148.5 (103.0–197.4)	135.7 (83.5–161.0)	-8.6	3.0 (2.1–3.9)	2.0 (1.2–2.4)	-33.1
C.2.6. Adverse effects of medical treatment	42.0 (32.7–49.3)	83.7 (64.6–96.2)	99.1	0.9 (0.7–1.0)	1.2 (1.0–1.4)	41.0
C.2.7. Animal contact	75.0 (50.7–97.5)	64.3 (41.0–88.4)	-14.3	1.4 (1.0–1.9)	0.9 (0.6–1.3)	-34.4
C.2.7.1. Animal contact (venomous)	54.9 (30.1–89.3)	47.0 (25.6–84.7)	-14.3	1.0 (0.6–1.7)	0.7 (0.4–1.2)	-34.4
C.2.7.2. Animal contact (non-venomous)	20.1 (10.7–30.8)	17.3 (10.0–24.6)	-14.2	0.4 (0.2–0.6)	0.3 (0.1–0.4)	-34.5
C.2.8. Unintentional injuries not classified elsewhere	372.5 (311.9–403.8)	351.6 (301.4–387.8)	-5.6	7.1 (6.0–7.7)	5.1 (4.4–5.7)	-27.9
C.3. Self-harm and interpersonal violence	1,008.5 (838.8–1,201.9)	1,340.0 (1,108.2–1,616.9)	32.9	21.1 (17.5–25.4)	19.7 (16.2–23.8)	-6.9
C.3.1. Self-harm	669.8 (519.5–853.4)	883.7 (655.6–1,105.2)	31.9	14.5 (11.3–18.4)	13.1 (9.7–16.3)	-9.6
C.3.2. Interpersonal violence	338.7 (245.8–416.6)	456.3 (354.9–610.9)	34.7	6.7 (4.8–8.3)	6.6 (5.1–8.9)	-1.0
C.3.2.1. Assault by firearm	141.8 (107.4–175.7)	196.2 (153.9–233.6)	38.4	2.8 (2.1–3.5)	2.8 (2.2–3.4)	1.9
C.3.2.2. Assault by sharp object	83.1 (55.4–119.8)	126.7 (82.2–188.2)	52.5	1.7 (1.1–2.4)	1.8 (1.2–2.7)	10.9
C.3.2.3. Assault by other means	113.8 (85.2–129.3)	133.4 (107.3–159.0)	17.2	2.2 (1.7–2.5)	1.9 (1.6–2.3)	-13.5
C.4. Forces of nature, war, and legal intervention	94.9 (65.0–162.3)	213.7 (119.2–433.5)	125.2	1.9 (1.3–3.4)	3.1 (1.7–6.3)	62.0
C.4.1. Exposure to forces of nature	31.4 (18.2–60.0)	196.0 (106.9–401.9)	523.5	0.7 (0.4–1.3)	2.9 (1.6–5.8)	336.4
C.4.2. Collective violence and legal intervention	63.5 (44.3–101.8)	17.7 (12.2–29.6)	-72.2	1.3 (0.9–2.1)	0.3 (0.2–0.4)	-79.5

Table 2 - Global deaths for 235 causes in 1990 and 2010 for all ages and both sexes combined (thousands) and age-standardized rates (per 100,000) with 95 % UI and percent change

Cause	All Ages Deaths (thousands)			Age-Standardized Death Rates (per 100,000)		
	1990	2010	%Δ	1990	2010	%Δ

* For these causes the mean value is outside of the 95% uncertainty interval. This occurs because the full distribution of 1000 draws is asymmetric with a long tail. A small number of high values in the uncertainty distribution raises the mean above the 97.5 percentile of the distribution.

Cause	Global	AP HI	Europe Western	Australasia	NA HI	Europe Central	LA Sthn	Eurp Estrn	Asia East	LA Tropical	LA Central	Asia SE	Asia Central	LA Andean	NA/ME	Caribbean	Asia South	Oceania	SSA Southern	SSA East	SSA Central	SSA West
Ischemic heart disease	1	2	1	1	1	1	1	1	2	2	2	4	1	3	1	2	4	5	11	17	16	17
Lower respiratory infections	2	5	9	14	11	8	3	9	9	5	4	3	2	1	3	4	1	1	2	3	4	2
Cerebrovascular disease	3	1	2	3	3	2	2	2	1	3	10	1	3	5	2	3	9	8	7	14	13	12
Diarrheal diseases	4	57	61	76	54	80	55	44	61	23	12	6	14	8	7	7	3	3	3	4	2	3
Malaria	5	119	120	117	120	119	122	119	119	109	108	19	116	98	41	39	36	4	14	2	1	1
HIV/AIDS	6	65	40	56	26	44	20	3	23	8	11	9	20	9	38	5	13	10	1	1	5	4
Preterm birth complications	7	38	30	17	14	24	6	26	18	6	7	7	5	4	4	6	2	7	6	5	6	7
Road injury	8	10	11	6	5	7	4	5	4	4	3	5	7	2	6	11	11	19	12	11	11	9
Chronic obstructive pulmonary disease	9	12	5	7	4	10	11	13	3	11	14	17	11	23	17	27	5	27	27	29	25	32
Neonatal encephalopathy (birth asphyxia and birth trauma)	10	63	51	32	41	54	28	29	20	12	13	10	4	7	12	13	7	17	9	9	10	10
Tuberculosis	11	32	73	82	82	40	47	15	29	33	31	2	10	14	34	14	8	6	5	8	8	11
Sepsis and other infectious disorders of the newborn and the neonate	12	71	74	68	62	68	29	55	79	13	16	24	35	11	10	10	6	20	18	7	12	5
Self-harm	13	3	6	5	6	5	5	4	8	15	15	20	9	18	22	21	10	22	16	24	30	50
Congenital anomalies	14	24	23	13	19	20	8	17	11	9	9	12	8	6	5	12	12	14	13	15	7	15
Protein-energy malnutrition	15	67	76	79	73	82	52	84	59	38	19	38	50	19	25	19	16	16	29	6	3	6
Trachea, bronchus, and lung cancers	16	4	3	2	2	3	7	6	5	17	21	15	15	27	14	16	34	45	33	66	54	64
Cirrhosis of the liver	17	9	7	18	9	4	9	7	14	10	8	11	6	12	9	20	15	12	28	23	21	20
Meningitis	18	69	69	67	67	61	39	61	51	36	30	26	23	24	19	18	17	9	19	10	9	8
Diabetes mellitus	19	14	13	10	7	14	10	33	15	7	5	8	17	16	11	9	19	2	8	26	26	24
Interpersonal violence	20	49	50	38	12	31	12	8	31	1	1	16	13	10	20	8	27	24	4	18	17	23
Drowning	21	25	54	34	40	29	26	18	12	19	17	22	12	17	24	31	18	28	26	22	18	29
Liver cancer	22	7	20	28	30	21	33	37	6	34	26	18	29	31	29	30	57	21	41	45	47	30
Fire, heat and hot substances	23	47	66	63	46	53	36	25	52	51	44	40	30	39	28	33	14	26	23	16	19	13
Chronic kidney diseases	24	13	22	21	16	22	16	31	22	16	6	14	16	13	16	22	25	11	17	32	36	31
Stomach cancer	25	6	15	25	34	13	18	12	7	24	18	33	19	15	27	34	43	31	50	52	56	60
Falls	26	21	21	29	29	17	40	21	16	28	27	29	33	33	32	36	23	42	55	27	31	19
Hypertensive heart disease	27	20	18	40	21	9	17	24	17	14	22	21	21	25	13	17	30	52	15	38	39	46
Maternal disorders	28	85	89	88	78	85	61	75	55	48	41	27	51	26	39	29	24	18	20	13	15	14
Colon and rectum cancers	29	8	4	4	10	6	13	14	13	21	28	31	31	34	33	25	55	50	40	56	63	63
Other cardiovascular and circulatory diseases	30	17	10	19	17	11	15	52	21	20	24	23	26	21	8	23	45	39	30	37	35	39
Breast cancer	31	16	8	8	13	12	14	19	24	22	25	30	28	32	26	28	47	35	38	46	55	59
Cardiomyopathy and myocarditis	32	28	24	26	20	15	19	16	34	18	38	37	22	28	15	32	38	40	22	35	32	38
Exposure to forces of nature	33	122	120	117	120	119	58	119	124	125	90	123	124	123	124	1	125	120	126	127	126	124
Exposure to mechanical forces	34	50	64	53	48	50	38	11	35	50	35	36	18	29	21	41	28	32	10	28	22	40
Typhoid and paratyphoid fevers	35	95	110	102	102	113	49	111	39	62	50	13	119	53	36	69	21	76	21	25	37	27
Leukemia	36	19	19	15	22	23	22	28	19	29	20	32	27	20	23	38	48	23	49	68	62	66
Syphilis	37	102	101	83	101	87	82	98	74	61	57	48	66	30	47	24	41	41	31	12	14	18
Measles	38	106	105	101	108	105	103	110	103	106	93	34	83	58	94	106	20	54	35	19	38	22
Esophageal cancer	39	18	28	30	33	39	30	41	10	35	61	52	32	66	58	55	46	61	36	44	57	78
Rheumatic heart disease	40	36	41	49	60	36	34	36	28	41	51	28	24	48	18	48	32	36	37	43	44	49
Epilepsy	41	56	48	43	63	48	57	49	43	44	33	39	25	36	42	46	53	30	25	20	24	16
Asthma	42	42	60	50	57	59	65	50	49	54	46	25	41	62	30	45	26	13	32	40	34	33
Poisonings	43	64	65	42	25	47	68	20	25	95	58	57	34	60	40	85	31	15	43	30	28	43
Encephalitis	44	82	96	103	90	84	109	66	99	75	97	69	48	105	45	96	22	91	46	41	42	42
Cervical cancer	46	34	44	48	45	25	24	34	38	27	23	35	40	22	67	35	52	29	34	31	43	41
Pancreatic cancer	47	11	14	12	18	16	21	22	27	37	39	50	43	47	50	40	73	78	53	83	80	87
Brain and nervous system cancers	48	30	17	20	28	19	37	32	26	26	32	42	38	43	31	44	64	88	54	87	70	104
Non-Hodgkin lymphoma	49	23	26	16	24	33	31	51	37	40	40	43	45	35	46	42	51	47	45	48	58	54
Alzheimer's disease and other dementias	50	26	12	9	8	43	27	53	41	45	66	82	79	76	68	37	81	66	58	80	86	75
Tetanus	52	112	113	113	114	110	118	114	86	108	109	64	121	103	79	59	40	51	104	33	45	25
Acute hepatitis A	54	100	103	104	104	99	108	92	78	101	94	91	91	92	54	104	33	25	98	53	64	44
Alcohol use disorders	55	55	31	47	32	18	41	10	73	25	29	59	39	49	108	54	76	72	61	103	99	117
Kidney and other urinary organ cancers	57	29	25	24	23	27	32	27	36	57	47	75	49	63	57	58	85	80	76	84	85	79
Drug use disorders	58	72	34	22	15	57	69	23	64	71	52	70	37	40	35	52	93	56	24	59	72	69
Prostate cancer	63	31	16	11	27	26	23	42	72	30	34	77	59	42	56	26	100	68	47	75	79	74
Whooping cough	67	99	95	84	87	94	87	95	93	105	65	44	63	37	59	43	37	33	56	21	29	21
Gallbladder and biliary tract cancer	68	15	39	51	58	37	25	59	40	49	45	60	60	44	71	67	63	67	89	113	98	84
Iron-deficiency anemia	72	77	83	90	81	90	74	89	90	63	43	85	73	38	114	15	75	55	44	54	27	26
Interstitial lung disease and pulmonary sarcoidosis	78	22	47	46	38	70	54	76	71	72	59	100	75	46	65	101	62	81	70	77	77	85
Sickle cell disorders	80	109	94	107	86	104	105	107	120	80	88	122	117	102	64	51	108	115	100	67	20	28
Malignant melanoma of skin	91	73	38	23	44	45	71	56	77	70	77	106	72	84	103	94	117	48	88	116	113	111
African trypanosomiasis	106	122	120	117	120	119	125	119	124	125	127	123	124	123	124	123	125	120	124	76	23	68
Ranking Legend		1-10		11-20		21-30		31-50		51-90		91-176										

Abbreviations: AP= Asia Pacific, HI= High Income, NA= North America, LA= Latin America, Sthn= Southern, Eurp Estrn= Europe Eastern, SE= Southeast, NA/ME=North Africa/Middle East, SSA= Sub-Saharan Africa, *= (birth asphyxia and birth trauma), Sepsis= sepsis and other infectious conditions of the newborn,