

# Levels & Trends in CHILD MORTALITY.. REPORT 2010



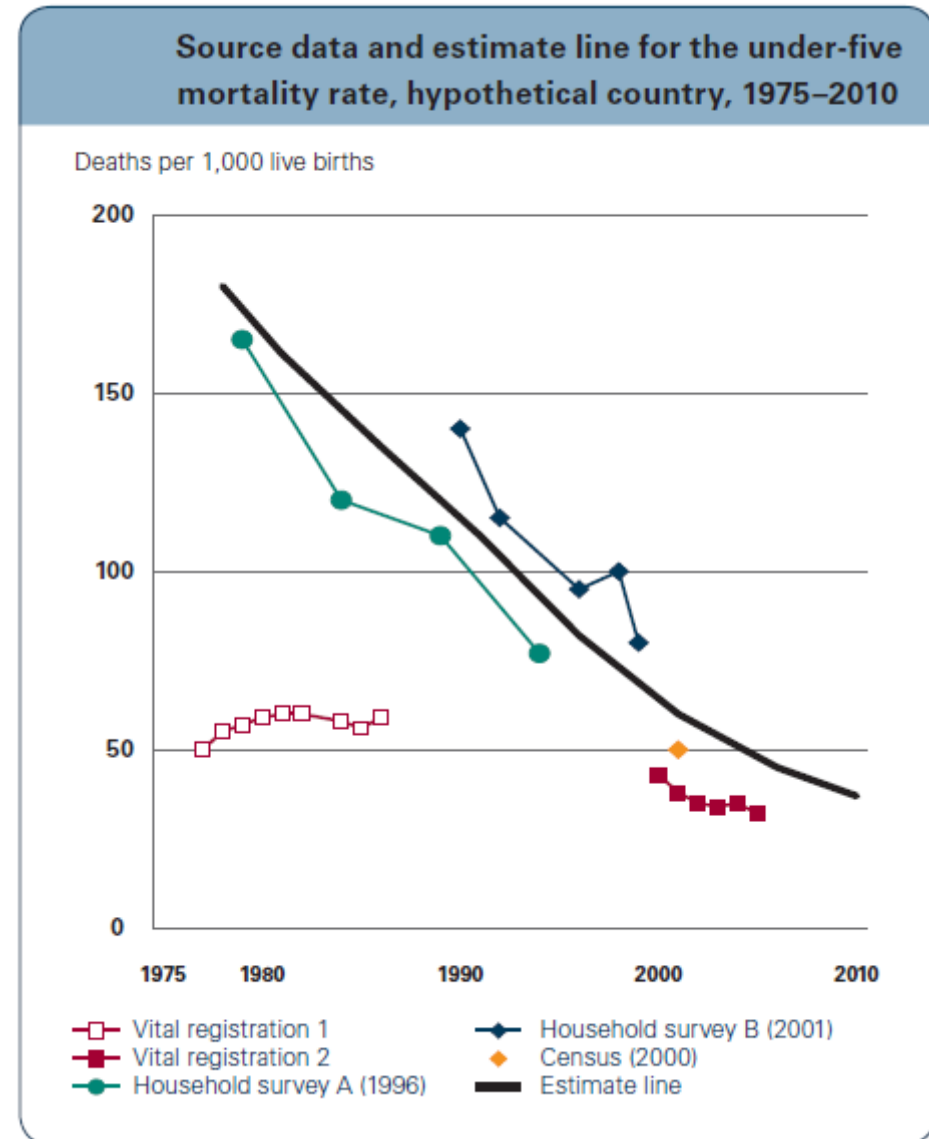
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13 October 2010*

## About the UN Inter-Agency Group for Child Mortality Estimation (IGME)

- Established in 2004 for sharing & harmonising estimates within the UN system.
- To improve estimation methods & produce consistent data worldwide for reporting purposes.

# Source of Data & Methodology

- Vital registration systems but not always available
- MICS & DHS= source of primary data on child mortality in developing countries
- Used regression lines and extrapolation



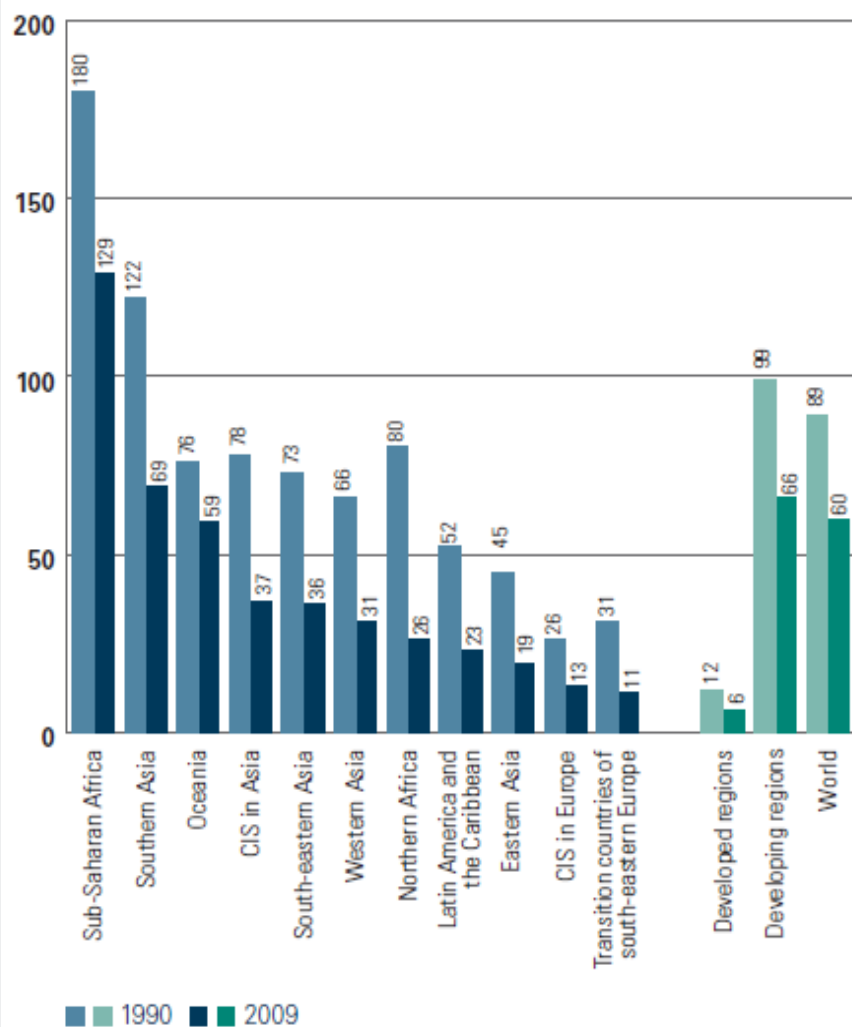
# What does the report tell us ?..

## Progress in MDG4....BUT

- **Under- five mortality has fallen by 1/3 since 1990** (number of children under 5 yrs old down from 12.4 mil in 1990 to 8.1 mil in 2009).
- Rate of decline accelerated over 2000-2009.
- Northern Africa & Eastern Asia made most progress in reducing under five mortality.

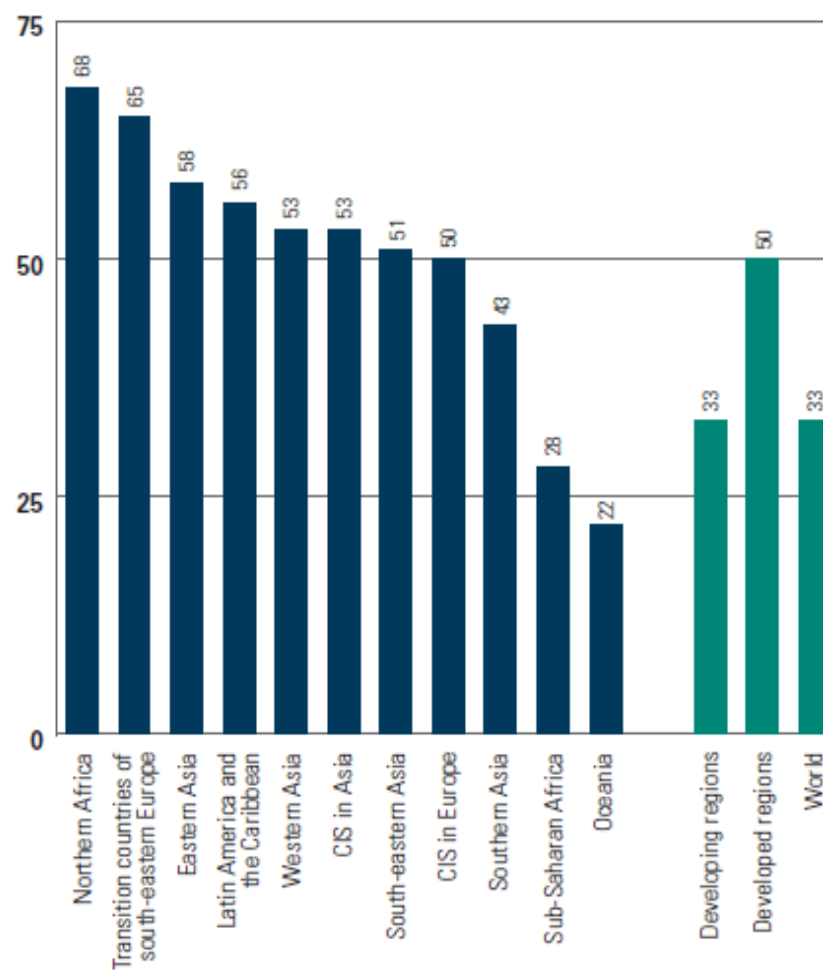
## Under-five mortality declined in all regions between 1990 and 2009

Under-five mortality rate, by region, 1990 and 2009 (deaths per 1,000 live births)



## All regions except Southern Asia, Sub-Saharan Africa and Oceania reduced under-five mortality rate by at least 50 percent between 1990 and 2009

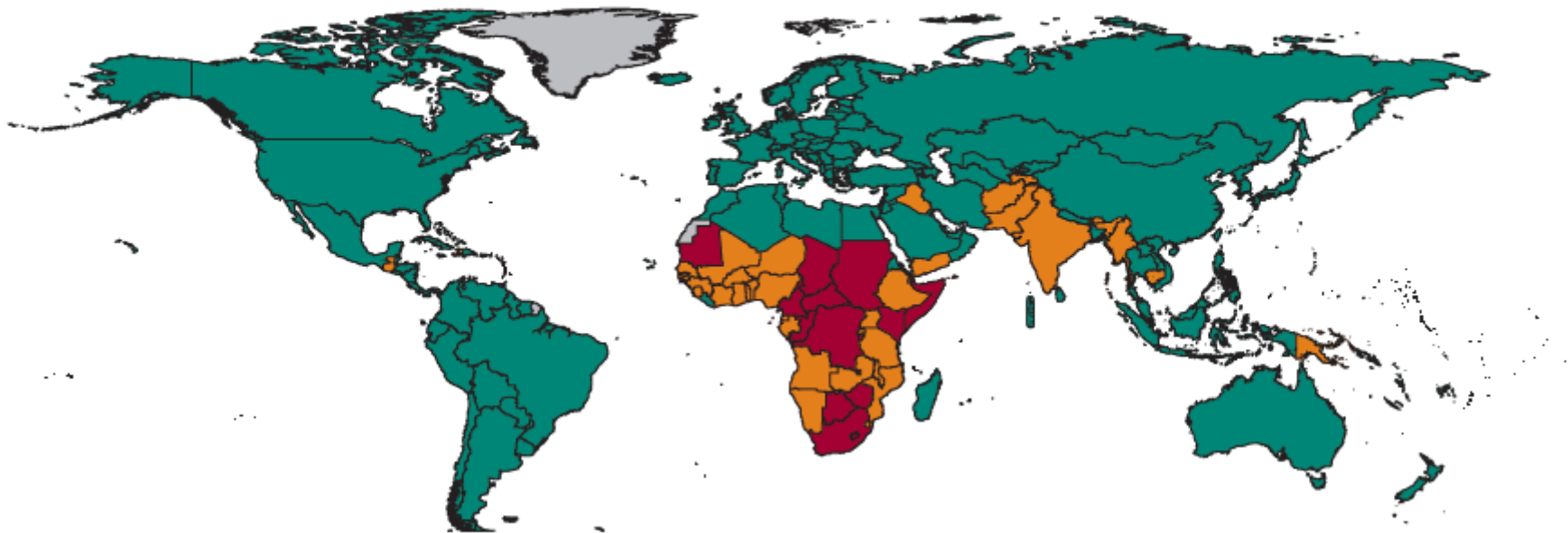
Decline in under-five mortality rate, by region, 1990–2009 (percent)



## .....Still too High

- Rate of decline in insufficient in Sub-Saharan Africa and South Asia and Oceania.

Many countries were on track in 2009 to achieve Millennium Development Goal 4, but progress needs to accelerate in Southern Asia and Sub-Saharan Africa



**TABLE 1** Levels and trends in the under-five mortality rate, 1990–2009 (deaths per 1,000 live births)

Region	1990	1995	2000	2005	2007	2008	2009	Decline, 1990–2009 (percent)	Average annual rate of reduction, 1990–2009 (percent)	Progress towards Millennium Development Goal 4 2009
<b>Developing regions</b>	99	95	84	74	70	68	66	33	2.1	Insufficient progress
<b>Northern Africa</b>	80	60	46	33	30	28	26	68	5.9	On track
<b>Sub-Saharan Africa</b>	180	175	160	143	136	133	129	28	1.8	Insufficient progress
<b>Latin America and the Caribbean</b>	52	43	33	27	24	23	23	56	4.3	On track
<b>Eastern Asia</b>	45	44	36	25	22	20	19	58	4.5	On track
<b>Excluding China</b>	28	36	29	18	18	17	17	39	2.6	On track
<b>Southern Asia</b>	122	110	95	79	74	72	69	43	3.0	Insufficient progress
<b>Excluding India</b>	131	118	101	86	81	80	78	40	2.7	Insufficient progress
<b>South-eastern Asia</b>	73	58	48	41	39	37	36	51	3.7	On track
<b>Western Asia</b>	66	56	44	36	33	32	31	53	4.0	On track
<b>Oceania</b>	76	69	65	62	60	60	59	22	1.3	Insufficient progress
<b>Countries of the Commonwealth of Independent States</b>	46	48	39	29	26	25	23	50	3.6	On track
<b>In Europe</b>	26	25	23	17	15	14	13	50	3.6	On track
<b>In Asia</b>	78	73	62	47	42	39	37	53	3.9	On track
<b>Developed regions</b>	12	9	8	7	6	6	6	50	3.6	On track
<b>Transition countries of South-eastern Europe</b>	31	25	20	15	13	12	11	65	5.5	On track
<b>World</b>	<b>89</b>	<b>86</b>	<b>77</b>	<b>67</b>	<b>63</b>	<b>62</b>	<b>60</b>	<b>33</b>	<b>2.1</b>	<b>Insufficient progress</b>

a "On track" indicates that under-five mortality is less than 40 deaths per 1,000 live births or that under-five mortality is at least 40 deaths per 1,000 live births and that the average annual rate of reduction is at least 4 percent; "insufficient progress" indicates that under-five mortality is at least 40 deaths per 1,000 live births and that the average annual rate of reduction is at least 1 percent but less than 4 percent. These standards may differ from those in other publications by Inter-agency Group for Child Mortality Estimation members.

# WHEN, WHY & WHERE DO CHILDREN DIE

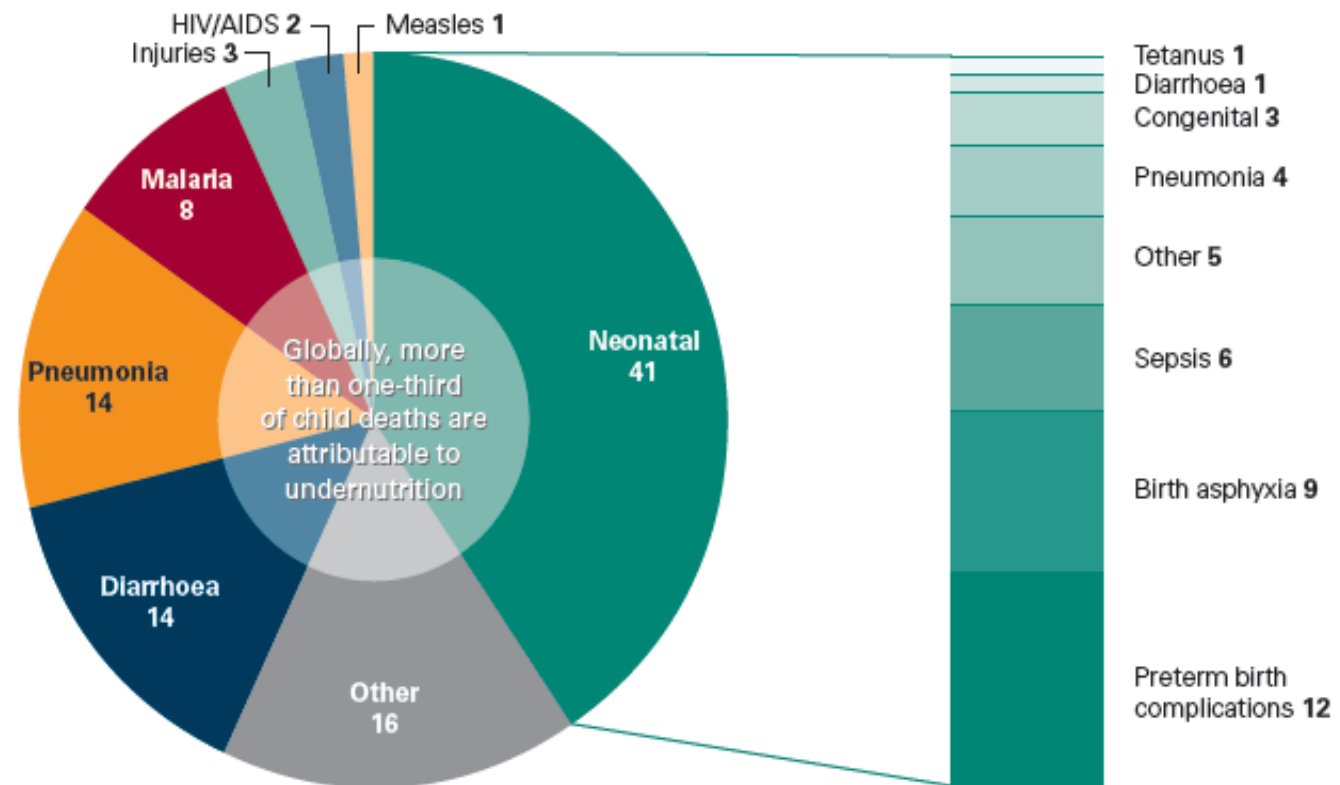
- 40% of under five deaths occur within the first month of life & 70% occur within the first year of life.
- **Two biggest Killers: Pneumonia** (18% of the deaths) & **Diarrhoeal Diseases** (15%).
- **India, Nigeria, DRC, Pakistan & China-** account for nearly a third of under five deaths worldwide



# Two Biggest Killers: Pneumonia & diarrhoea:

Revitalizing efforts against pneumonia and diarrhoea, while bolstering nutrition, could save millions of children

Causes of deaths among children under age five, 2008 (percent)



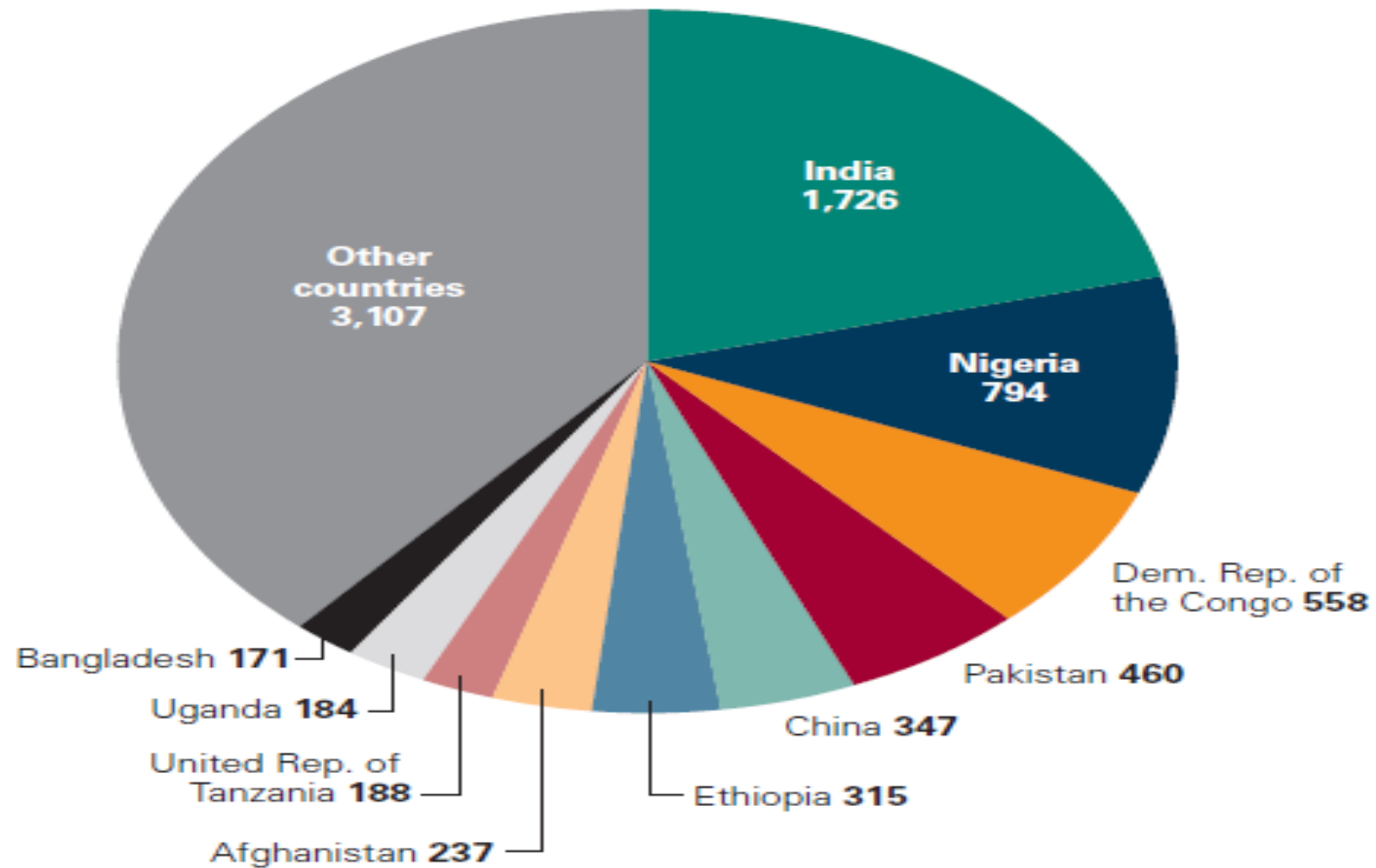
Source: Black R, Cousens S, Johnson H, Lawn J, Rudan I, Bassani D, Jha P, Campbell H, Walker C, Cibulskis R, Eisele T, Liu L, and Mathers C, for the Child Health Epidemiology Reference Group of WHO and UNICEF, 2010, "Global, Regional, and National Causes of Child Mortality in 2008: A Systematic Analysis," *Lancet* 375(9730): 1969–87.

## Fast Gains...HOW & Where ...

Significant decline in under 5 mortality are achievable if health systems at national & community levels are strengthened & socially excluded & most vulnerable women & children are reached in India, Nigeria, DRC, Pakistan & China.

## The 10 countries with the most under-five deaths

Number of under-five deaths, by country, 2009 (thousands)



## Estimates of under-five and infant mortality by Millennium Development Goal regions<sup>a,b</sup>

<b>Developing regions</b>	99	66	33	2.1	12,012	7,929	68	47	8,371	5,613
<b>Northern Africa</b>	80	26	27	5.9	311	96	61	23	237	85
<b>Sub-Saharan Africa</b>	180	129	60	1.8	3,927	3,976	109	81	2,401	2,503
<b>Latin America and the Caribbean</b>	52	23	17	4.3	598	239	41	19	476	199
<b>Eastern Asia</b>	45	19	15	4.5	1,284	361	36	16	1,049	314
<b>Excluding China</b>	28	17	9	2.6	30	15	18	14	18	12
<b>Southern Asia</b>	122	69	41	3.0	4,727	2,677	87	53	3,382	2,051
<b>Excluding India</b>	131	78	44	2.7	1,595	951	95	60	1,159	736
<b>South-eastern Asia</b>	73	36	24	3.7	863	405	50	29	592	317
<b>Western Asia</b>	66	31	22	4.0	286	159	52	26	224	132
<b>Oceania</b>	76	59	25	1.3	15	15	56	45	11	12
<b>Countries of the Commonwealth of Independent States</b>	46	23	15	3.6	239	87	38	21	199	77
<b>In Europe</b>	26	13	9	3.6	83	28	22	12	70	25
<b>In Asia</b>	78	37	26	3.9	155	59	64	33	129	52
<b>Developed regions</b>	12	6	4	3.6	143	71	10	5	118	61
<b>Transition countries of south-eastern Europe</b>	31	11	10	5.5	26	6	25	9	22	5
<b>World</b>	<b>89</b>	<b>60</b>	<b>30</b>	<b>2.1</b>	<b>12,393</b>	<b>8,087</b>	<b>62</b>	<b>42</b>	<b>8,688</b>	<b>5,751</b>

## Estimates of under-five and infant mortality by UNICEF regions

Region	Under-five mortality rate (deaths per 1,000 live births)		Millennium Development Goal target for 2015	Observed average annual rate of reduction, 1990–2009	Number of under-five deaths (thousands)		Infant mortality rate (deaths per 1,000 live births)		Number of infant deaths (thousands)	
	1990	2009			1990	2009	1990	2009	1990	2009
<b>Africa</b>	165	118	55	1.8	4,239	4,072	102	75	2,638	2,587
<b>Sub-Saharan Africa</b>	180	129	60	1.8	3,927	3,976	109	81	2,401	2,503
<b>Eastern and Southern Africa</b>	166	108	55	2.3	1,674	1,504	103	69	1,047	972
<b>West and Central Africa</b>	199	150	66	1.5	2,122	2,331	118	92	1,270	1,440
<b>Middle East and North Africa</b>	77	41	26	3.3	750	410	57	32	554	317
<b>Asia</b>	87	50	29	2.9	6,752	3,417	63	39	4,932	2,658
<b>South Asia</b>	125	71	42	3.0	4,589	2,635	89	55	3,280	2,015
<b>East Asia and Pacific</b>	53	26	18	3.7	2,162	782	40	21	1,652	643
<b>Latin America and Caribbean</b>	52	23	17	4.3	598	239	41	19	476	199
<b>Central and Eastern Europe/Commonwealth of Independent States</b>	51	21	17	4.7	381	120	42	19	313	108
<b>Industrialized countries</b>	10	6	3	2.7	117	66	8	5	97	56
<b>Developing countries</b>	99	66	33	2.1	12,167	7,988	68	47	8,500	5,665
<b>Least developed countries</b>	178	121	59	2.0	3,744	3,330	112	78	2,362	2,148
<b>World</b>	<b>89</b>	<b>60</b>	<b>30</b>	<b>2.1</b>	<b>12,393</b>	<b>8,087</b>	<b>62</b>	<b>42</b>	<b>8,688</b>	<b>5,751</b>

For more information ... **CLICK ON**

[www.childmortality.org](http://www.childmortality.org)





Thank you

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