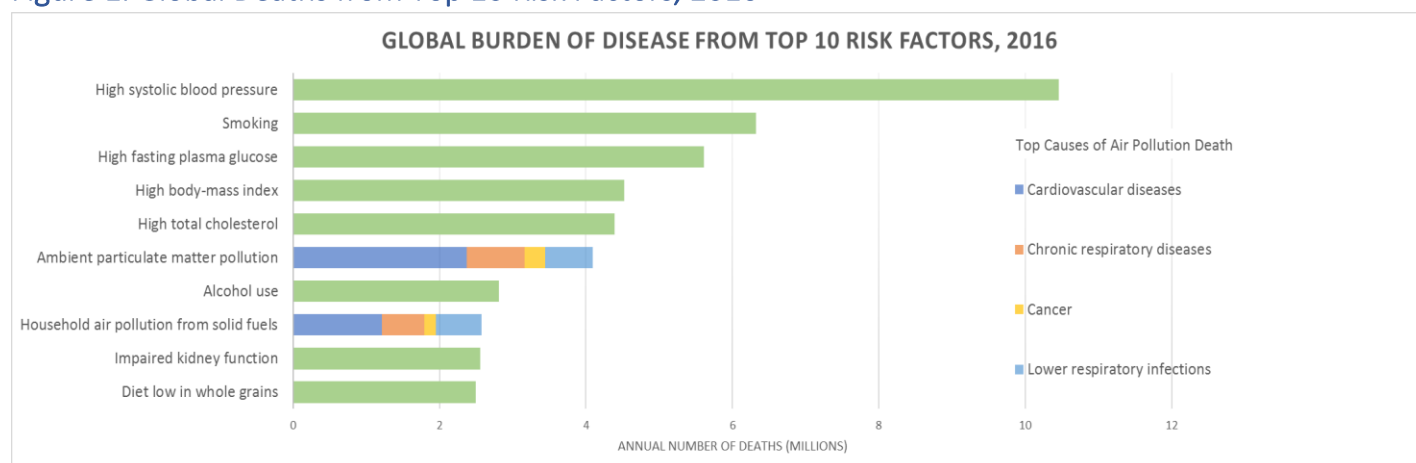




Global Burden of Disease from Household Air Pollution: Summary of 2016 Estimates

The evidence is robust and compelling: exposure to household air pollution (HAP) is responsible for a staggering number of preventable illnesses and deaths each year. According to the [most recent estimates](#) published in Lancet in 2017, 2.6 million deaths can be attributed to HAP each year. This figure has evolved significantly over the past decade. The first global burden of disease estimates in the early 2000s suggested that around 2 million premature deaths occur each year as a result of exposure to indoor air pollution (IAP). Since then, updated estimates published between 2012 and 2016 attributed between 2.9 to 4.3 million deaths due to direct exposure to household air pollution. Starting in 2016, the IHME has committed to updating estimates on an annual basis.

Figure 1. Global Deaths from Top 10 Risk Factors, 2016



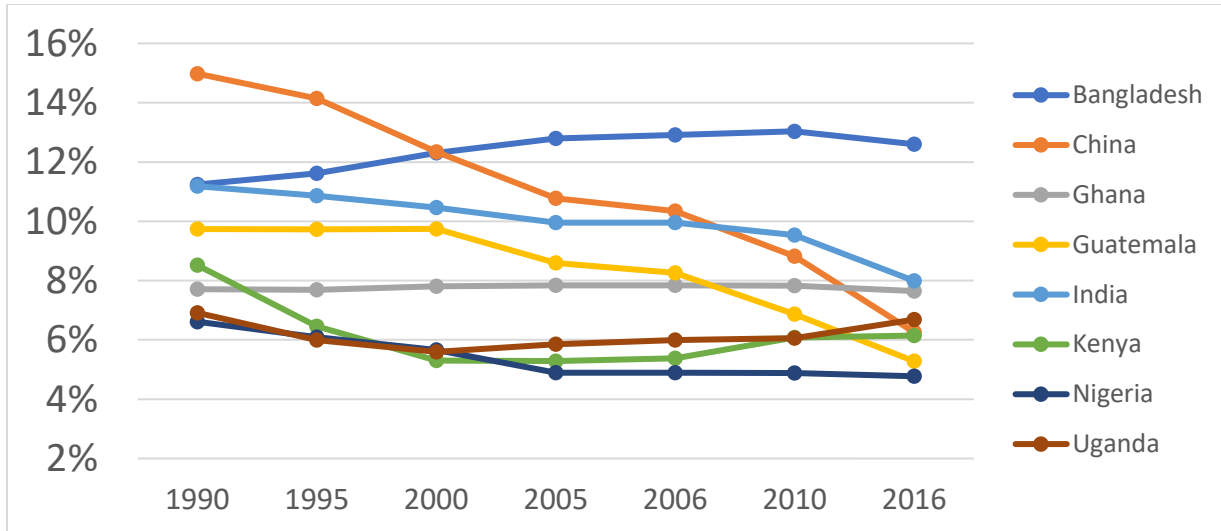
Source: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Seattle, WA: IHME, University of Washington, 2017. Available from <http://vizhub.healthdata.org/gbd-compare>. (Accessed [September 19, 2017])

Table 1. Annual Deaths from Air Pollution, 2016

Focus Country	Deaths	
	Household Air Pollution	Ambient Air Pollution
India	782,906	1,034,420
China	605,098	1,075,039
Bangladesh	106,871	108,687
Nigeria	64,586	68,887
Uganda	20,025	14,566
Ghana	14,458	11,803
Kenya	16,566	6,509
Guatemala	4,460	4,105
Global Total	2,576,361	4,092,692

Source: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Seattle, WA: IHME, University of Washington, 2017. Available from <http://vizhub.healthdata.org/gbd-compare>. (Accessed [September 19, 2017])

Figure 2. Trends in Household Air Pollution Related Deaths, Alliance Focus Countries, 1990-2016



Source: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Seattle, WA: IHME, University of Washington, 2017. Available from <http://vizhub.healthdata.org/gbd-compare>. (Accessed [September 19, 2017])

For the most up-to-date country specific information on burden of disease and trends, visit www.healthdata.org.

The Global Alliance for Clean Cookstoves is a public-private partnership hosted by the UN Foundation to save lives, improve livelihoods, empower women, and protect the environment by creating a thriving global market for clean and efficient household cooking solutions. The Alliance's 100 by '20 goal calls for 100 million households to gain access to clean and efficient cookstoves and fuels by 2020. The Alliance works with a network of 1700 public, private and non-profit partners to accelerate the production, deployment, and adoption of clean and efficient cookstoves and fuels in developing countries.