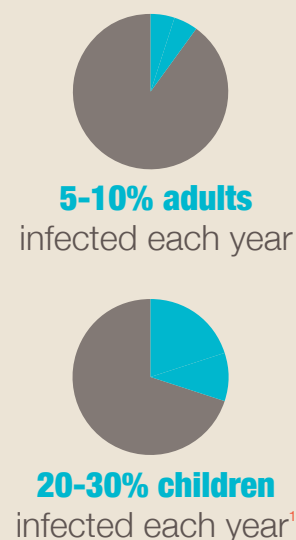


INFLUENZA

PREVALENCE



COMPLICATION

up to **5 million**
cases of severe illness¹

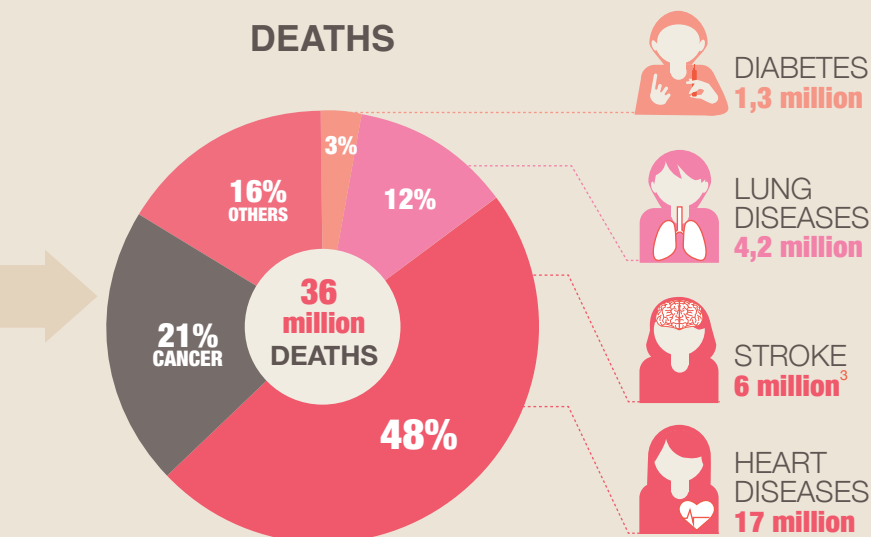
DEATHS

up to **500,000 deaths** each year¹

Global
burden
of disease
per year

Non-Communicable-Diseases

DEATHS



These **4 diseases** are
the leading cause of
NCD mortality
worldwide²

➡ **N°1** killer in the world ➡ NCDs account for **63%** of all deaths⁴

➡ **INFLUENZA** INCREASES THE RISK OF COMPLICATIONS FROM THE FOLLOWING **NCDs**

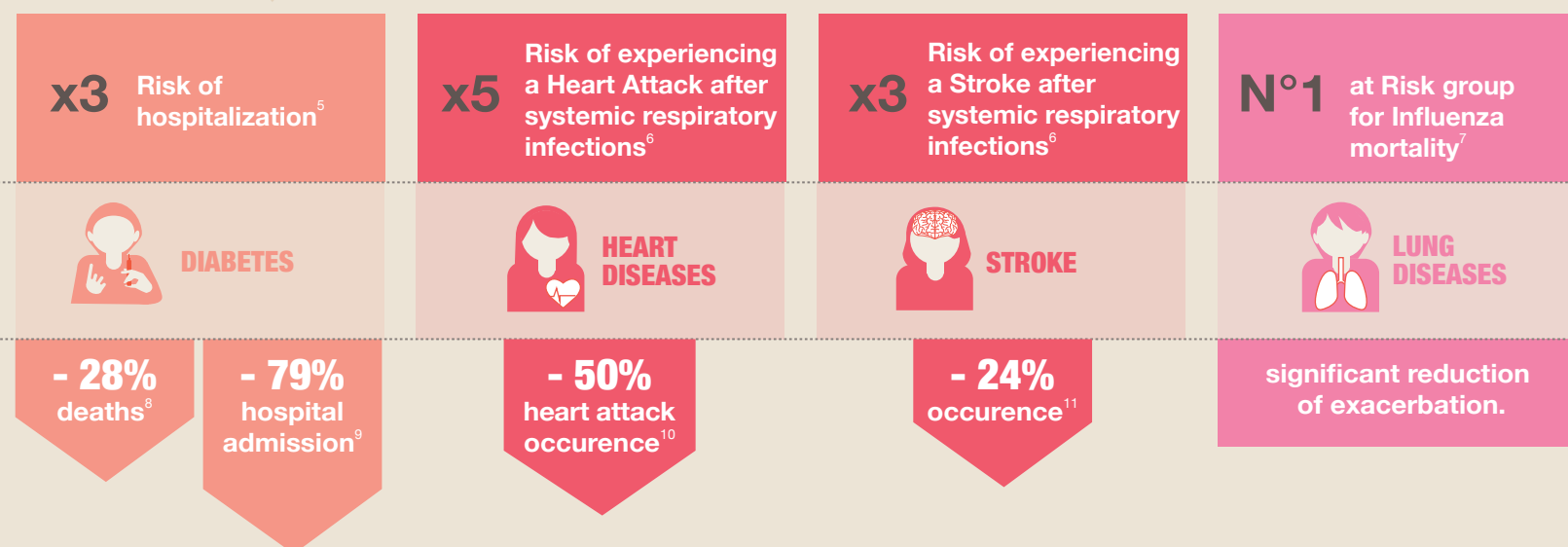
RISKS POSED BY INFLUENZA

- HOSPITALIZATION
- EXACERBATION
- DEATH

NCDs AT RISK OF COMPLICATIONS WITH INFLUENZA

INFLUENZA IMMUNIZATION BENEFITS

- ➡ PREVENT INFECTION
- ➡ PROTECT AGAINST NCDs
(e.g. heart attack, stroke)
- ➡ PROTECT AGAINST
COMPLICATIONS FROM
EXISTING NCDs



INFLUENZA VACCINATION HELPS REDUCE
COMPLICATIONS FROM CHRONIC DISEASES



WORLD HEALTH ORGANIZATION CONSIDERS **INFLUENZA VACCINATION** THE MOST EFFECTIVE WAY TO PREVENT INFECTION¹

¹ World Health Organization. Media Center. Influenza (seasonal). Fact Sheet no 211. March 2014.

<http://www.who.int/mediacentre/factsheets/fs211/en/>

² World Health Organization. Global status report on noncommunicable diseases 2010 - Description of the global burden of NCDs, their risk factors and determinants. Chapter 1: Burden: mortality, morbidity and risk factors.

http://www.who.int/nmh/publications/ncd_report_chapter1.pdf

³ World Health Organization. Media Center. The top 10 causes of death. Fact sheet no 310. July 2013.

<http://www.who.int/mediacentre/factsheets/fs310/en/>

⁴ World Health Organization. Fact file. 10 facts on noncommunicable diseases.

http://www.who.int/features/factfiles/noncommunicable_diseases/facts/en/

⁵ CDC. Diabetes Public Health Resource. Protect yourself from influenza (the flu).

http://www.cdc.gov/diabetes/news/docs/flu_protect.htm

⁶ Smeeth L, Thomas SL, Hall AJ, Hubbard R, Farrington P, Vallance P. Risk of myocardial infarction and stroke after acute infection or vaccination. New England Journal of Medicine 2004;351:2611-18.

⁷ Case fatality from influenza A in COPD can be 30% or more. Case-fatality rate in healthy persons is 1-2 per 2000 cases.

Plans-Rubio P. Prevention and control of Influenza in persons with Chronic obstructive pulmonary disease. Int J Chron Obstruct Pulmon Dis. 2007; 2(1): 41-53.

⁸ Poster 156 EP Vamos, UJ Pape, V Curcin, MJ Harris, J Valabhji, A Majeed and C Millett. Influenza vaccine effectiveness against hospitalisation and death in people with Type 2 diabetes. Diabetic Medicine, 31 (Suppl. 1), 28-183. http://onlinelibrary.wiley.com/doi/10.1111/dme.12378_2/pdf

⁹ Colquhoun AJ. Effectiveness of Influenza vaccine in reducing hospital admissions in people with diabetes. Epidemiol Infect 1997; 119: (3) 335-41

¹⁰ Harvard Health Publications. Flu shot linked to lower heart attack, stroke risk. Oct 23, 2013.

<http://www.health.harvard.edu/blog/flu-shot-linked-to-lower-heart-attack-stroke-risk-201310236795>

¹¹ Siriwardena N, Asghar Z, Coupland CCA. Influenza and pneumococcal vaccination and risk of stroke or transient ischaemic attack - Matched case control study. Vaccine, 2014; DOI: HYPERLINK <http://dx.doi.org/10.1016/j.vaccine.2014.01.029>