



# THE ROLE OF ADULT VACCINATION AS PART OF HEALTHY AGEING



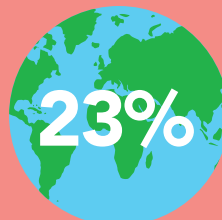
## WHAT IS HEALTHY AGEING?

### HEALTHY AGEING

the process of developing and maintaining the functional ability that enables well-being in older age<sup>1</sup>



BY **2050**,  
ROUGHLY **34%** OF  
EUROPE'S POPULATION  
WILL BE AGED OVER 60<sup>2</sup>



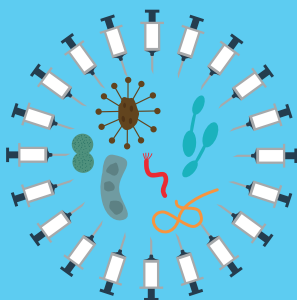
**23%**  
OF DISEASE  
GLOBALLY OCCURS  
IN THOSE AGED >60<sup>3</sup>

OBSTACLES  
TO REDUCING  
THE HEALTH  
BURDEN  
OF OLDER  
ADULTS  
INCLUDE:

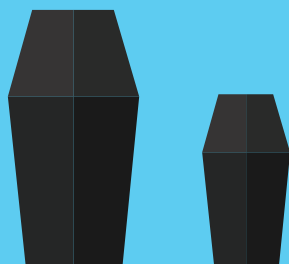
**DIFFERING  
GLOBAL  
HEALTH  
PRIORITIES  
AGEISM  
POOR  
PREPAREDNESS  
OF HEALTH  
SYSTEMS<sup>3</sup>**



## THE BURDEN OF VACCINE PREVENTABLE DISEASES



THERE ARE APPROXIMATELY  
**~20 VACCINES**  
AVAILABLE TO PROTECT AGAINST  
A RANGE OF SERIOUS DISEASES<sup>4</sup>



VACCINE PREVENTABLE  
DISEASES KILL  
**~350 X MORE**  
ADULTS THAN CHILDREN<sup>5</sup>



ADULTS **65 YEARS AND  
OLDER** ACCOUNT FOR  
**~88% OF DEATHS** ATTRIBUTED  
TO **PNEUMONIA  
AND INFLUENZA<sup>6</sup>**

## WHY ARE WE IGNORING THE ROLE OF VACCINATION?



**ONLY 36%**  
OF ADULTS HAVE HAD  
VACCINATION  
RECOMMENDED TO THEM<sup>7</sup>



10%



60%

IN EUROPE, ONLY 10% OF OLDER  
ADULTS **VACCINATED AGAINST  
PNEUMOCOCCAL  
INFECTION**  
VS 60% IN THE USA<sup>8,9</sup>

## OVERCOMING BARRIERS TO ADULT VACCINATION

MOST ADULTS WOULD RECEIVE THE  
INFLUENZA OR PNEUMOCOCCAL VACCINE  
**IF RECOMMENDED  
BY THEIR HCP<sup>10</sup>**



**~1.7 MILLION**  
INFLUENZA CASES WOULD BE  
**AVERTED EVERY YEAR**  
IN THE EU IF THERE WAS  
**75% VACCINE COVERAGE<sup>11</sup>**



VACCINES

**References:** 1. World Health Organization. World Report on Ageing and Health 2015. Available at: <http://who.int/ageing/publications/world-report-2015/en/> Last accessed: December 2015. 2. WHO. Global Strategy and Action Plan on Ageing and Health: consultation. Available at: <http://who.int/ageing/global-strategy/GSAP-ageing-health-draft.pdf?ua=1> Last accessed: December 2015. 3. Prince, M. et al. The burden of disease in older people and implications for health policy and practice. *Lancet*. 2015;385:549-62. 4. World Health Organization. Vaccine-preventable diseases. Available at: <http://www.euro.who.int/en/health-topics/disease-prevention/cines-and-immunization/vaccine-preventable-diseases>. Last accessed: Sep 2015. 5. Poland, G.A., R.M. Jacobson, and I.G. Ovsyannikova. Trends affecting the future of vaccine development and delivery: the role of demographics, regulatory science, the anti-vaccine movement, and vaccinomics. *Vaccine*. 2009; 27:3240-4. 6. Centers for Disease Control and Prevention. Estimates of deaths associated with seasonal influenza - United States, 1976-2007. *MMWR Morb Mortal Wkly Rep*. 2010; 59:1057-62. 7. Ozisik L, et al. Perceptions and attitudes of patients about adult vaccination and their vaccination status: still long way to go? Poster presentation at 14th European Congress of Internal Medicine (EFIM) 14-16 October 2015. 8. Centers for Disease Control and Prevention. Vaccination Coverage Among Adults, Excluding Influenza Vaccination - United States, 2013. *MMWR Morb Mortal Wkly Rep*. 2015; 64: 95-102. 9. Lode H, Ludwig E, Kassianos G. Pneumococcal Infection - Low Awareness as a Potential Barrier to Vaccination: Results of a European Survey. *Adv Ther*. 2013; 30:387-405. 10. Johnson DR, Nichol KL, Lipczynski K. Barriers to adult immunization. *The American Journal of Medicine*. 2008; 121:528-535. 11. Preaud et al. Annual public health and economic benefits of seasonal influenza vaccination: a European estimate. *BMC Public Health*. 2014;14:813.