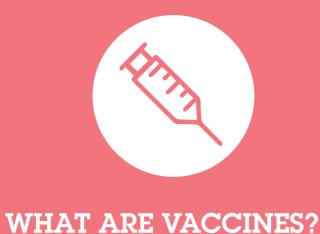


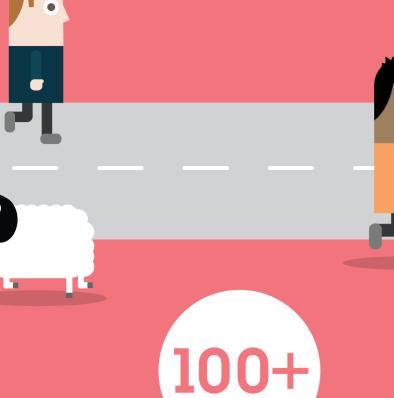
Vaccines why they matter

The importance of vaccines for protecting human & animal health



Vaccines are an effective, convenient and

easy to administer health intervention that protect animals and people against many infectious diseases





Vaccination has led to the complete global eradication of two diseases:

• Smallpox in 1982 • Rinderpest in 2011

In human medicine, vaccines have also eradicated polio in Europe and helped reduce the number of new infections by diphtheria and measles by more than 95% compared to peak incidence rates1



MORE THAN 100 EXIST Vaccines for more than 100 animal diseases

exist to help protect many species of animals including cattle, swine, poultry, horses, sheep, goats, dogs, cats, exotic pets and fish1



system against a specific disease, so if that

Vaccines safely stimulate an animal's immune

animal is exposed to that disease later in life, it already has a defence against it

Why vaccinate animals?

SAFEGUARD OUR PETS Vaccines are routinely given

to pets by a veterinarian, to

protect them against diseases that allow them to safely remain part of our families for as long as possible

infectious diseases, ensuring the

ENSURE PROVISION

OF SAFE FOOD

provision of safe and nutritious food such as eggs, milk, fish and meat products



At least 61% of all human infectious diseases (and 75% of all infectious human diseases that have

PROTECT

HUMAN HEALTH

occurred during the past decade) come from animals², so vaccinating animals also protects human health

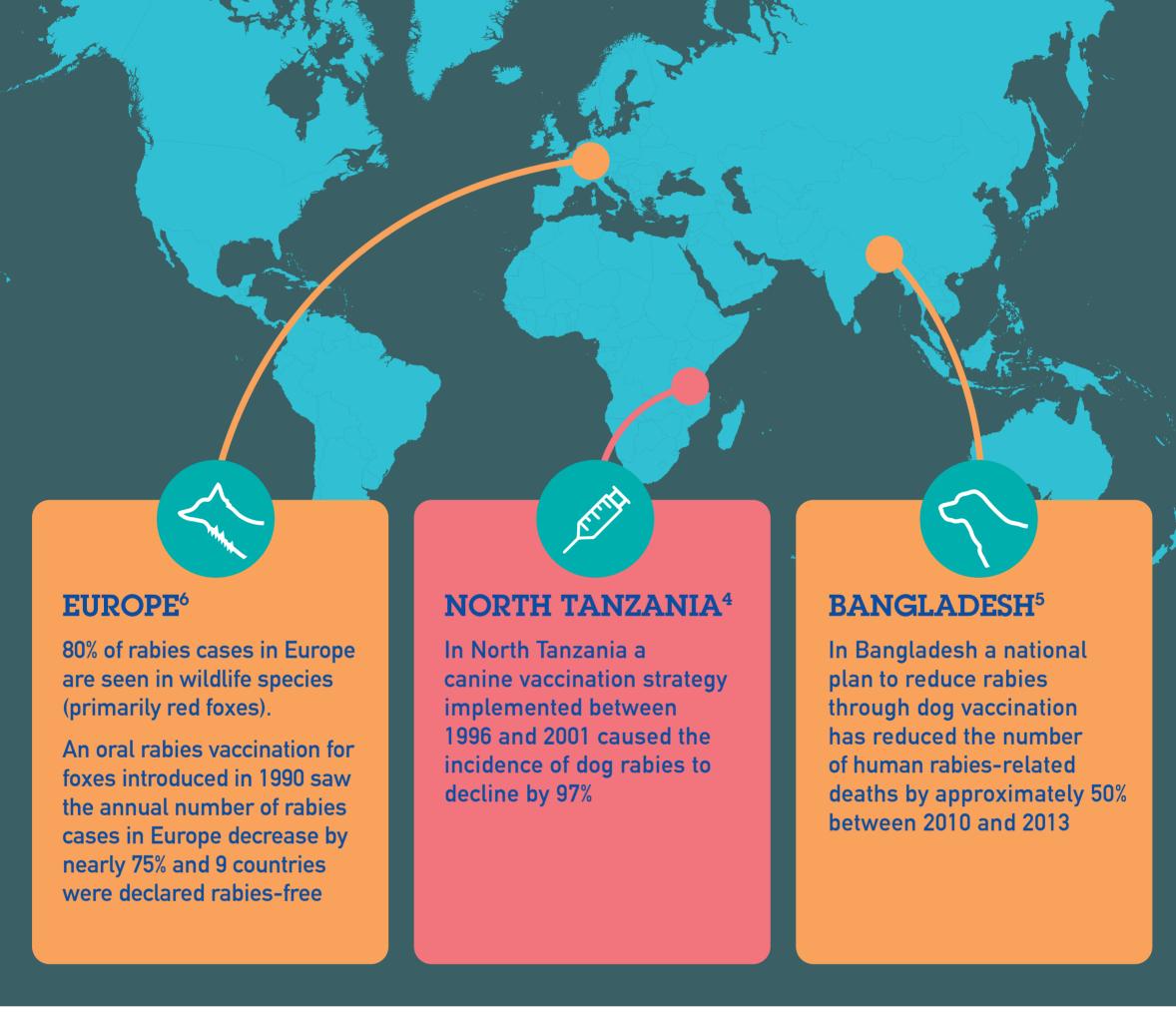
RABIES Rabies kills up to 70,000 people each year throughout the world; Africa and Asia are the most affected

Vaccination

regions.3 Effective vaccines for dogs and wildlife vectors are available. Dog vaccination is the preferred

in action

method of control, preventing more than 95% of human cases at only about 10% of the costs needed for post-bite treatment in people.3



region since the early 1990s8

NEWCASTLE DISEASE

rates, especially in chickens.7

Newcastle disease is one of the most infectious poultry diseases

in the world causing extremely high illness (100%) and death (90%)

Having previously devastated flocks

in Malaysia, widespread adoption of

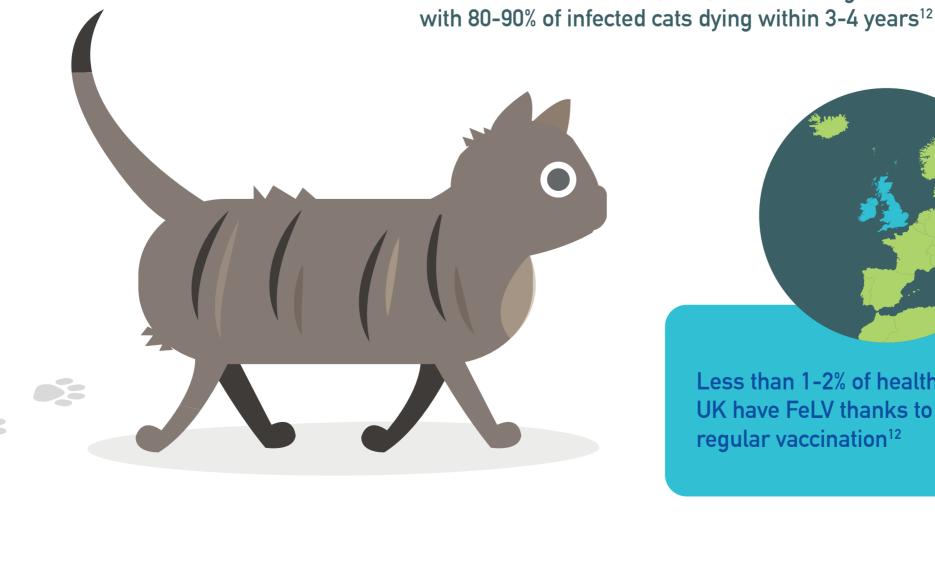
vaccination programmes have led to

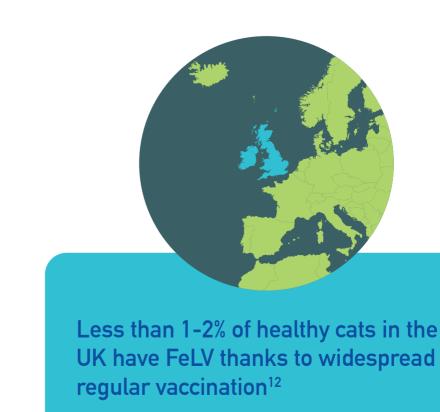
no outbreaks of the disease in the



EQUINE INFLUENZA (EI) Equine influenza (EI) is a major respiratory disease of horses, controllable via vaccination and biosecurity measures.9

Feline leukaemia virus (FeLV) is the leading viral killer of cats,





1 IFAH (now HealthforAnimals) Whitepaper 'The benefits of vaccines and vaccination', 2012

- 2 http://www.who.int/zoonoses/control_neglected_zoonoses/en/ September 2015 http://www.oie.int/en/for-the-media/press-releases/detail/article/oie-regional-vaccine-bank-for-asia-provides-50000-rabies-vaccines-to-lao-pdr/ 4 Cleaveland S, Kaare M, Tiringa P, Mlengeya T, Barrat J. A dog rabies vaccination campaign in rural Africa: impact on the incidence of dog rabies and human
- dog-bite injuries. Vaccine. 2003 May 16;21(17-18):1965-73. 5 http://www.who.int/features/2014/bangladesh-tackles-rabies/en/ September 2015 6 http://www.who-rabies-bulletin.org/about_rabies/Control.aspx September 2015 7 Data from CIDRAP 2003

8 http://www.fao.org/docs/eims/upload/207692/7_1_1_cases.pdf September 2015

- 9 Romain Paillot, A Systematic Review of Recent Advances in Equine Influenza Vaccination. Vaccines (Basel). 2014 Dec; 2(4): 797-831. Published online 2014 Nov 14. doi: 10.3390/vaccines2040797 10 http://www.abc.net.au/news/2007-08-24/horse-flu-action-set-to-cost-millions/649030 September 2015
- modelling approach. Prev Vet Med. 2011 Apr 1;99(1):15-27. doi: 10.1016/j.prevetmed.2010.02.007. Epub 2010 Mar 16. 12 http://icatcare.org/advice/cat-health/feline-leukaemia-virus-felv September 2015

3 September 28th 2012,

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11 Garner MG, Cowled B, East IJ, Moloney BJ, Kung NY. Evaluating the effectiveness of early vaccination in the control and eradication of equine influenza--a