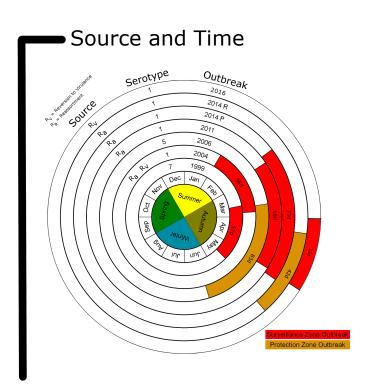
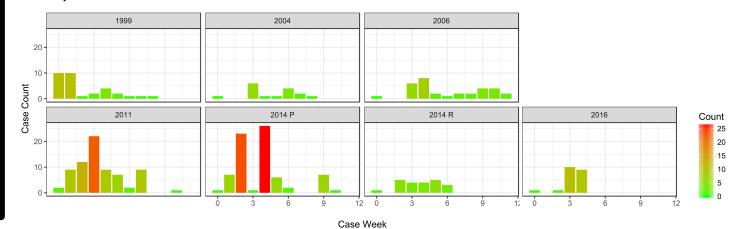


Outbreaks Of African Horse Sickness in the Controlled Area of South Africa

Space **South Africa** 2014 **Porterville** 2011 WORCESTER 2014 200 Robertson Stellenbo Robertson ▲ Selection of South African to 1999 Outbreak cases Outbreak extents (convex hull) Stellenbosch 1999 Stellenbosch 2004 Stellenbosch 2006 Robertson 2011 Mamre 2014 Porterville 2014 Robertson 100 km 2016 Paarl



■ Epidemic curves



General Comparisons

	1999	2004	2006	2011	2014	2016
Detection	Passive Surveillance	Passive Surveillance	Passive Surveillance	Passive Surveillance	Passive Surveillance	Passive Surveillance
Case definition	Death	Death, Serology, VI	Cx, PM, Death, PCR, VI	Cx, PM, Death, RT qPCR, VI	Cx, PM, Death, RT qPCR, VI, Sequencing	Cx, PM, Death, RT qPCR, VI, Sequencing
Control	Movement, Vaccination, Education					
	Vaccination	Vaccination	Vaccination	Vaccination	No Vaccination	No Vaccination

Data sources and Acknowledgements

Grewar, J.D. et al., 2013. The 2011 outbreak of African horse sickness in the African horse sickness controlled area in South Africa. Journal of the South African Veterinary Association, 84(1), pp.1–7. Available at: http://www.jsava.co.za/index.php/jsava/article/view/973

Grewar, J.D., 2016. The economic impact of Bluetongue and other orbiviruses in sub-Saharan Africa, with special reference to Southern Africa. Veterinaria Italiana, 52(3–4), pp.375–381. Available at: http://www.izs.it/vet_italiana/2016/52_3/VetIt_503_2427_3.pdf

Sinclair, M., Bührmann, G. & Gummow, B., 2006. An epidemiological investigation of the African horsesickness outbreak in the Western Cape Province of South Africa in 2004 and its relevance to the current equine export protocol. Journal of the South African Veterinary Association, 77(4), pp.191-6.

Weyer, C.T. et al., 2016. African horse sickness caused by genome reassortment and reversion to virulence of live, attenuated vaccine viruses, South Africa, 2004–2014. Emerging Infectious Diseases, 22(12).



