Appendix 1. Vaccine booster dose algorithm for persons at ongoing risk of exposure to rabies virus or other lyssaviruses

Rabies or bat lyssavirus (including ABLV) booster algorithm

Ongoing occupational exposure risk

Perform serology
i) Every 6 months for laboratory staff at risk
ii) Every 2 years for veterinary workers, bat handlers or any other workers who are likely to need to handle bats.

Viral neutralising antibodies (VNAb) <0.5 IU/mL

Give a single booster dose

If further exposure give PEP as per rabies or bat lyssavirus post-exposure algorithms

VNAb ≥0.5 IU/mL

No further action until either
- further exposure then give PEP as per rabies or bat lyssavirus post-exposure algorithms
OR
- time period elapses as above for serology – undertake VNAb serology

*NB. Immunocompromised patients’ serology should be checked 14 to 21 days post booster dose and a further dose offered if the result remains <0.5 IU/mL.*