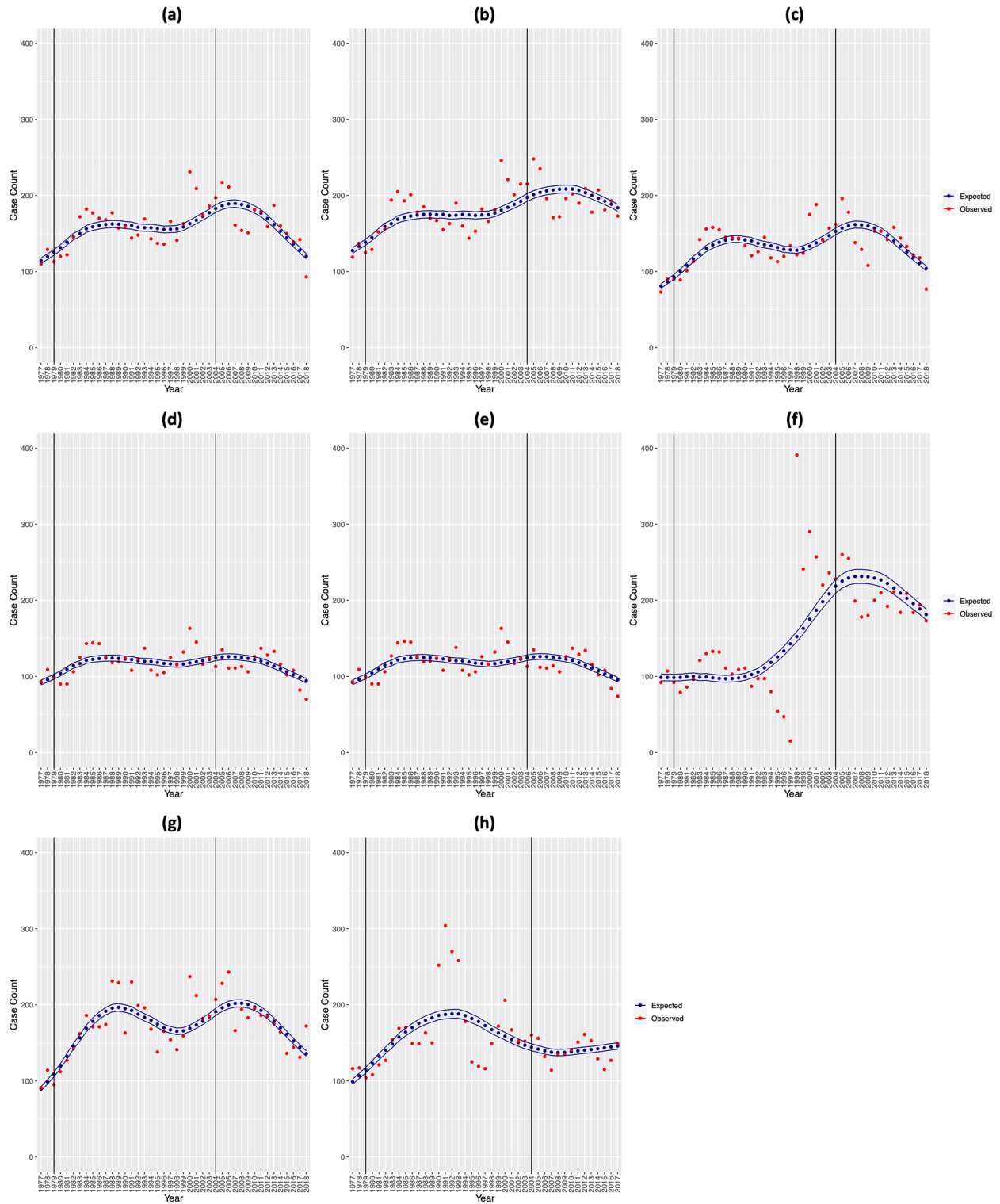
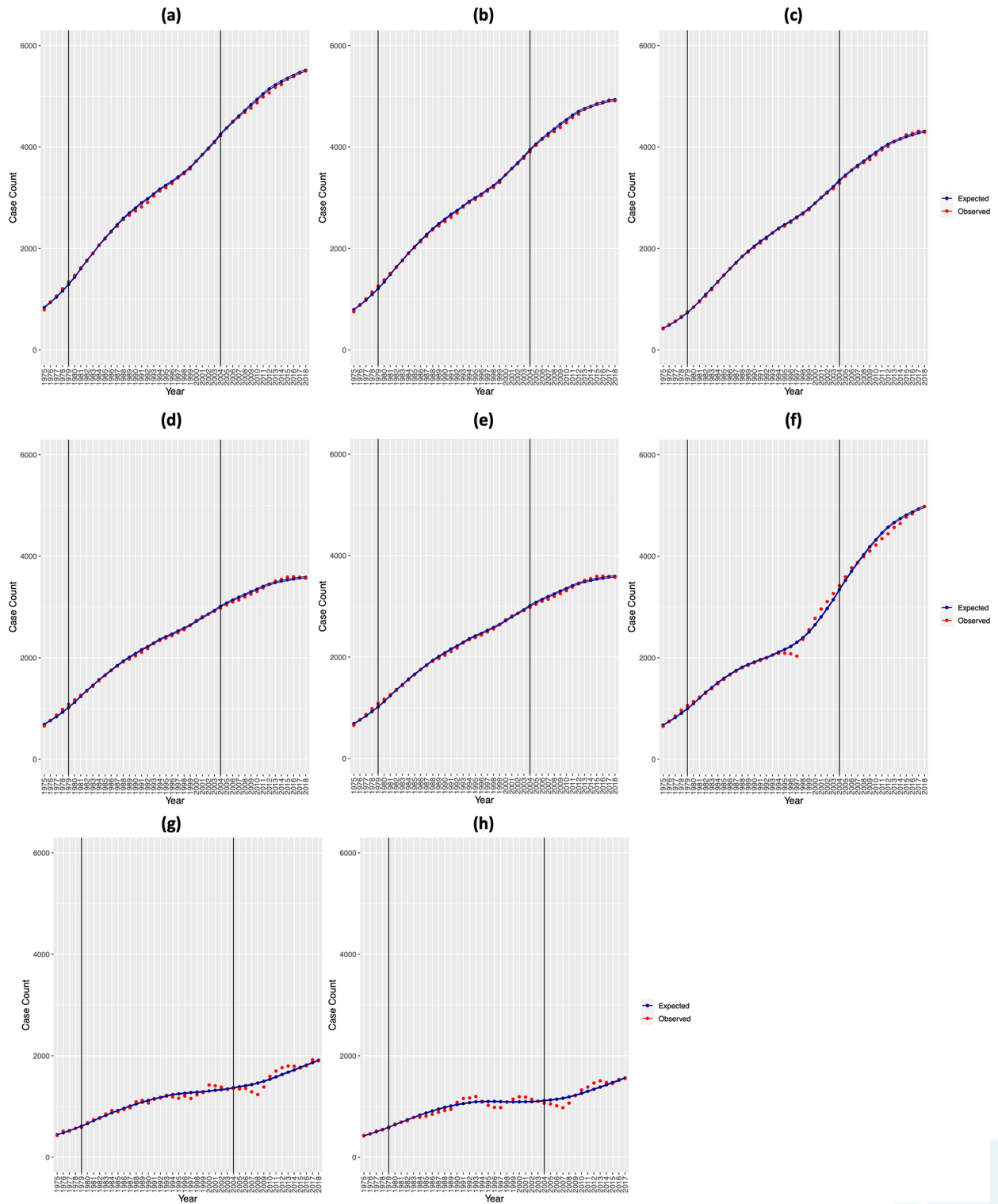


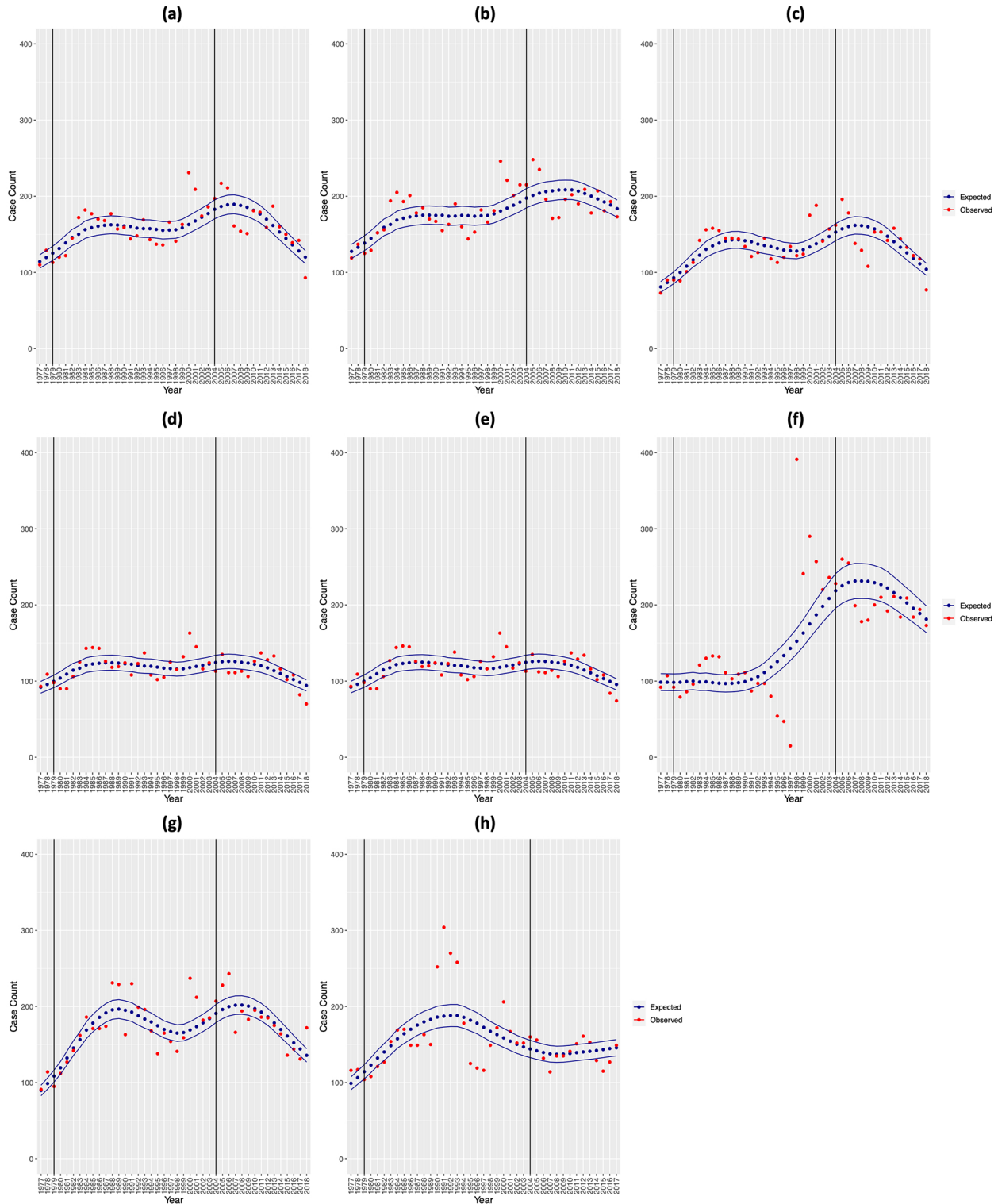
Supplementary Figure 1: Observed-expected control charts for incidence trends across multiple sclerosis case definitions using $0.8 \times \text{SD}$ control limits. (a) 3+ (A); (b) 3+ (B); (c) 3+ (C); (d) 7+; (e) 7+ or 3+ (coverage); (f) 7+ or 3+ (date); (g) 1+ hosp or 2+ phys; (h) 1+ hosp or 5+ phys. Vertical lines indicate years where a change in ICD version occurred; SD = standard deviation.



Supplementary Figure 2: Observed-expected control charts for prevalence trends for multiple sclerosis case definitions using $0.8 \times \text{SD}$ control limits. (a) 3+ (A); (b) 3+ (B); (c) 3+ (C); (d) 7+; (e) 7+ or 3+ (coverage); (f) 7+ or 3+ (date); (g) 1+ hosp or 2+ phys; (h) 1+ hosp or 5+ phys. Vertical lines indicate years where a change in ICD version occurred; SD = standard deviation.



Supplementary Figure 3: Observed-expected control charts for incidence trends across multiple sclerosis case definitions using 2*SD control limits. (a) 3+ (A); (b) 3+ (B); (c) 3+ (C); (d) 7+; (e) 7+ or 3+ (coverage); (f) 7+ or 3+ (date); (g) 1+ hosp or 2+ phys; (h) 1+ hosp or 5+ phys. Vertical lines indicate years where a change in ICD version occurred; SD = standard deviation.



Supplementary Figure 4: Observed-expected control charts for prevalence trends across multiple sclerosis case definitions using 2*SD control limits. (a) 3+ (A); (b) 3+ (B); (c) 3+ (C); (d) 7+; (e) 7+ or 3+ (coverage); (f) 7+ or 3+ (date); (g) 1+ hosp or 2+ phys; (h) 1+ hosp or 5+ phys. Vertical lines indicate years where a change in ICD version occurred; SD = standard deviation.

