CYOR\_u6m - Fitted - Thinning factor 1 small intervals 0.1 8.0 8.0 duantiles 1.0 Method 4.33 1.2 • bulk tail Tace Plot 4.32 4.31 Rank Plot <u>ම</u> 0.8 بة <sub>0.6</sub> 8.0 ESS ESS 0.4 Relative 0.2 4.30 Relative I 0.2 4.29 0.0 1000 2000 500 4000 8.0 4000 2000 0 0.2 0.6 8.0 1.0 1.0 0.0 0.0 Rank (all chains) Quantile Quantile Total number of draws CYOR\_u6m - Fitted - Thinning factor 10 small intervals 0.0 8.0 dnantiles 1.0 Method 4.33 1.2 • bulk Relative ESS 9.0 8.0 9.1 • tail Tace Plot 4.32 4.31 Rank Plot 8.0 ල් 6.0 0.4 0.4 8.0 ESS Relative 0.4 0.2 4.30 Relative E 0.2 4.29 0.0 0.0 1000 500 2000 4000 0.2 0.6 8.0 8.0 1.0 2000 4000 0.2 0.6 0.0 1.0 0.0 0 0.4 0.4 Quantile Quantile Rank (all chains) Total number of draws CYOR\_u6m - Fitted - Thinning factor 100 small intervals 0.1 8.0 8.0 80 dnantiles 1.0 Method 1.2 • bulk 60 Relative ESS 9.0 0.0 9.0 0.1 • tail Trace Plot 6 Rank Plot <u>ල</u> 0.8 for 6.0 ESS 0.6 Relative ESS 1 0 0 0 0 0 0 0 0 0.4 0.2 0.2 20 0.2 500 1000 2000 2000 4000 4000 0.0 8.0 1.0 0.2 0.6 0.0 8.0 1.0 0.2 Rank (all chains) Quantile Quantile Total number of draws CYOR u6m - Fitted - Thinning factor 1000 dnantiles 1.0 Method 1.2 4.330 bulk Relative ESS 9.0 6.1 14.325 4.325 4.320 Rank Plot ESS for 9.0 8.0 ۇ 0.6 Relative ESS f Relative 2.0 4.315 0.2 4.310 0.0 + 0.0 0.0 0.4 0.6 Quantile 0.4 0.6 Quantile 500 1000 2000 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 4000 0.4 0 0.4 Total number of draws Rank (all chains)

CYOR\_u6m - Fitted - Thinning factor 1 4.58 dnantiles Method 1.2 • bulk Relative ESS 9.0 6.1 9.0 6.1 Trace Plot 4.54 4.54 tail Rank Plot <u>ۇ</u> 0.8 6.0 ESS Relative 0.2 4.52 Relative I 0.2 0.0 2000 500 1000 4000 8.0 4000 2000 0 0.2 0.6 8.0 0.2 0.6 1.0 1.0 0.0 Rank (all chains) Quantile Quantile Total number of draws CYOR\_u6m - Fitted - Thinning factor 10 4.58 dnantiles 1.0 Method 1.2 • bulk 🕶 tail 4.56 Trace Plot Rank Plot 6.0 ESS Relative 7.0 elative 5.0 4.52 Relative I 0.2 4.50 0.0 1000 2000 500 2000 4000 0.2 0.6 8.0 8.0 1.0 4000 0.4 0.2 0.6 1.0 0 0 0.0 0.4 Quantile Rank (all chains) Quantile Total number of draws CYOR\_u6m - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 4.58 dnantiles 1.0 Method 1.2 • bulk 🗕 tail Trace Plot 62.4 25.4 Rank Plot 8.0 Relative ESS for s
0 0 0 0
0 0 0 0 6.0 ESS 1 4.54 0.0 500 1000 2000 2000 4000 8.0 4000 8.0 0.2 0.0 0.6 1.0 0 0 0.0 0.2 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws CYOR u6m - Fitted - Thinning factor 1000 dnantiles 4.58 Method 1.2 bulk 4.57 Relative ESS 9.0 9.0 9.0 Trace Plot 65.4 25.4 Rank Plot ESS for 0.6 Relative 0.4 4.54 0.2 0.2 4.53 0.0 + 0.0 0.0 1000 2000 4000 0.4 0.6 Quantile 1.0 2000 500 0.2 8.0 1.0 0.2 8.0 4000 0.4 0.6 0.4 0 0.0 Rank (all chains) Quantile Total number of draws

CYOR\_u6m - Fitted - Thinning factor 1 4.58 dnantiles Method 1.2 • bulk 4.57 Relative ESS 9.0 6.1 9.0 6.1 tail Rank Plot <u>ۇ</u> 0.8 6.0 ESS Relative 2.0 4 4.54 Relative | 0.0 0.2 4.53 0.0 2000 500 1000 4000 8.0 2000 4000 0 0.2 0.6 8.0 1.0 0.0 Rank (all chains) Quantile Quantile Total number of draws CYOR\_u6m - Fitted - Thinning factor 10 1.4 small intervals 0.1 1.0 8.0 4.58 dnantiles 1.0 Method 1.2 • bulk 4.57 🕶 tail Trace Blot 4.56 4.55 4.54 Rank Plot 6.0 0.4 6.0 ESS Relative 7.0 elative 5.0 Relative I 4.53 0.2 4.52 0.0 0.0 1000 2000 500 4000 0.2 0.6 8.0 8.0 1.0 2000 0.6 4000 0.0 1.0 0.2 0 0 0.4 0.4 Rank (all chains) Quantile Quantile Total number of draws CYOR\_u6m - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 4.58 dnantiles 1.0 Method 1.2 • bulk 4.57 **→** tail Lace Bot 4.56 4.55 4.54 Rank Plot ون 8.0 ور Relative ESS for S 0 0 0 0 0 0 0 0 0 0 6.0 ESS Relative 2.0 4 4.53 4.52 1000 2000 500 4000 8.0 2000 4000 8.0 0.0 0.2 1.0 0 0.0 0.2 0.6 0.6 Quantile Quantile Rank (all chains) Total number of draws CYOR u6m - Fitted - Thinning factor 1000 small intervals 1.0 8.0 8.0 dnantiles 1.0 4.58 Method 1.2 Relative ESS 9.0 9.0 9.0 1.56 Plot 4.54 4.54 Plot Relative ESS for s 0.0 0.0 0.0 0.0 0.0 0.0 6.0 ESS Relative 0.2 4.52 0.2 0.0 + 0.0 0.0 500 1000 2000 4000 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0.6 0.4 0 0.0 Rank (all chains) Quantile Total number of draws



