**Supplement 1.** Implementation timeline of vancomycin 24-hour area under the curve dosing and monitoring.

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| 2/10/17: ACPE-approved presentation delivered to pharmacy department |
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| 3/6-4/24/17: Weekly pharmacy work group meetings to address monitoring updates |
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| 3/16/17: Presentation delivered to ID physicians |
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| 5/15/17: AUC24 updates approved by the pharmacy work group |
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| 5/23/17: AUC24 updates approved by P&T |
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| 7/10/17: Education delivered to pharmacy residents |
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| 7/11/17: AUC24 guideline finalized |
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| 8/2/17: Meeting with IT to create EHR vancomycin-specific monitoring note |
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| 8/2/17: Education video recorded |
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| 8/17/17: Email sent to pharmacy department regarding upcoming practice change with transition date of 9/5/17, education video hyperlink, and schedule for 30-minute live education sessions |
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| 8/21-9/1/17: Live pharmacist education sessions lasting 30-minutes each |
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| 8/22/17: Email sent to GME program directors regarding practice change |
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| 8/23/17: Email sent to UKHC administration offices with FAQ sheet for provider education |
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| 8/30/17: Meeting with clinical laboratory director to discuss practice change |
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| 8/30/17: Education delivered to ID physicians |
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| 8/30/17: Email sent to nursing directors and managers with FAQ sheet |
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| 9/5/17: Go-live date. Emails sent to pharmacy department and ID physicians |
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| 9/5/17: Phlebotomy notified of change across the institution |
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| 9/19/17: Monthly physician newsletter disseminated with information regarding the practice change |
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| 9/25/17: Email sent to pharmacy department with general reminders, AUC24 calculator, revised AUC24 dosing suggestions, and recent updates in the literature |

Definitions: AUC24 (24-hour area under the curve), ACPE (Accreditation Council for Pharmacy Education), ID (infectious diseases), P&T (Pharmacy & Therapeutics Committee), IT (information technology), EHR (electronic health record), GME (Graduate Medical Education), UKHC (University of Kentucky HealthCare), FAQ (frequently asked questions).