Optimizing the Adverse Drug Reporting (ADR) Process at Joint-Base Elmendorf Richardson (JBER)

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Purpose:

Adverse drug event reporting is key to improving patient safety and reducing medication errors and liability. United States Air Force pharmacies are mandated to implement and document adverse event reporting programs. JBER Pharmacy oversees the Military Treatment Facilities (MTF) ADR reporting program. Based on 2016 data, the current reporting system has provided limited ADR reports. The JBER Pharmacy is investigating additional methods to recapture unreported ADRs. Other MTFs have moved to more comprehensive programs for monitoring and reporting Adverse Drug Reactions.

Methods:

Currently, JBER Pharmacy monitors and reviews the Military Treatment Facility (MTF) Emergency Room (ER) admission reasons and initiates investigations on encounters associated with adverse drug events. MTF providers who identify ADRs during an encounter may also report the event. Investigations that identify potential ADRs are logged via The Joint Patient Safety Reporting System (JPSR) and documented in the patient's medical record.

Results:

For the 2016 calendar year, 12 ADRs and 1 Vaccine Adverse Event Report (VAER) was documented and reported to The Pharmacy and Therapeutics (P&T) Committee.

Conclusions:

ADR reporting results at JBER indicate that the system lacks a robust method for capturing ADRs and many events are likely unreported. Extraction of ICD 10 codes associated with adverse drug reactions by accessing the Military Health System Management Analysis and Reporting Tool (M2) data has proven to be effective at other MTFs to increase ADR recapture rates.