

Medication Without Harm



WHO Global Patient Safety Challenge

Medication error reporting and learning, and pharmacovigilance systems at the national and organizational level

Michael R. Cohen

President emeritus

Institute for Safe Medication Practices
(ISMP)

United States

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ISMP Error Reporting Programs

Michael R. Cohen
President Emeritus
Institute for Safe Medication Practices
mcohen@ismp.org
USA

ISMP National Medication Errors Reporting Program

- Started in 1975, the first and only voluntary, practitioner-based medication error-reporting program
- The objectives of the ISMP MERP are:
 - Learn the underlying causes of reported medication errors or hazards
 - Disseminate valuable recommendations to individuals and organizations to prevent future errors
 - Provide guidance to the healthcare community, regulatory agencies, and pharmaceutical and device manufacturers
- Provides narratives, photos, computer screen shots.

ISMP National Medication Errors Reporting Program

- National Medication Error Reporting Program
- National Vaccine Error Reporting Program
- Consumer Error Reporting Program

Why we operate the program

- Capitalize on provider and consumer altruism
- Reporters need to trust in identity non-disclosure
- To provide a personal response to reporting errors (how we use the information)
- To demonstrate we are non-critical of individuals
- To provide expert and credible analysis of reported errors

Why we operate the program

- To share de-identified reports with the US Food and Drug Administration (FDA), the United States Pharmacopeia (USP), drug manufacturers, etc.
- Program operates independent of regulatory/accrediting bodies
- Impact is visible; changes based on reports (“Thanks to your reporting”)
- Program not operated for commercial gain

October 15, 2021



This alert is based on information from the National Medication Errors Reporting Program (MERP) operated by the Institute for Safe Medication Practices (ISMP).

Mix-ups between the influenza (flu) vaccine and COVID-19 vaccines



Since the 2021-22 influenza (flu) vaccine became available last month, the Institute for Safe Medication Practices (ISMP) has received 16 cases of accidental influenza and coronavirus disease 2019 (COVID-19) vaccine mix-ups. All reports were sent by consumers or healthcare practitioners via one of the ISMP national error reporting programs (www.ismp.org/report-medication-error). Most of the mix-ups occurred in patients who consented to a flu vaccine but received one of the COVID-19 vaccines instead. In three cases, patients received the flu vaccine instead of the intended COVID-19 vaccine. All the events occurred in community/ambulatory care pharmacies.

In the October 7, 2021, *ISMP Medication Safety Alert!* (www.ismp.org/node/27847), ISMP reviewed several errors with vaccine mix-ups and noted several possible contributing factors. Given that flu season is a busy time for vaccinations, many pharmacies are facing an increased demand for vaccination services. Since many of the errors were reported by consumers, details about the contributing factors were not provided in many cases. However, the possible causative factors we have gleaned from the reports include the following:

Increased demand and coadministration of the vaccines. Flu season is already a busy vaccination time for community pharmacies. And, with the approval of the Pfizer-BioNTech vaccine booster and the surge in COVID-19 cases, pharmacies can barely keep up with the vaccination demand. Also, the ability to administer the flu and COVID-19 vaccines during the same visit (www.ismp.org/ext/784) may be a contributing factor.

Syringes near each other. Two vaccine providers indicated that they had picked up a COVID-19 vaccine instead of the flu vaccine syringe, which were right next to each other in the vaccination area. Bringing both vaccines into a patient vaccination area when they are not needed sets the vaccine provider up for a possible mix-up.

Unlabeled syringes. While many vaccine providers purchase the flu vaccine in manufacturer prefilled syringes, which are labeled, COVID-19 vaccines are available in multiple-dose vials and must be prepared in a syringe for administration to patients. It is possible that these prepared COVID-19 vaccine syringes were not labeled. Also, COVID-19 vaccine doses may be prepared in an unlabeled syringe by one healthcare provider and administered by another; as a result, the person who administers the vaccine may not visually verify the empty vial if it remains with the person who prepared the dose.

Distractions. After a vaccine mix-up, one vaccine provider told the patient that he had become distracted by their conversation. Interruptions and other distractions in a busy pharmacy could also lead to mix-ups.

Staffing shortages. Because most healthcare providers are experiencing staffing shortages, it is possible that current vaccine providers are multi-tasking and are hurried/rushed, even when patients are scheduled for vaccinations. For example, a pharmacist who was working alone in a busy pharmacy recently told us that she needed to administer more than 50 vaccinations during her shift, in addition to dispensing prescriptions.

continued on page 2 >

NAN ALERT

