Position Statement Proposal

Committee: New York City Chapter of Health-system Pharmacists

Topic: Call for IV Workflow Systems within Institutions in New York

Sponsored: Emily Messing and Charrai Byrd

Whereas, progress has been made to improve medication-use safety within institutions, medication errors persist in healthcare, and,

Whereas, errors in intravenous (IV) compounding are among the most likely pharmacy errors to cause patient harm3, and,

Whereas, specifically between 2004 and 2011, the Institute for Safe Medication Practices (ISMP) reported serious compounding errors involving 16 patients, 9 of which were fatal, mostly due to wrong concentration/ strength, or wrong product or diluent4, and,

Whereas, data submitted to ISMP’s Medication Error Reporting Program, ISMP MERP, have shown that manual verification of intravenous admixture ingredients by pharmacy personnel who prepare solutions and pharmacists who inspect the final products is not particularly effective in detecting and correcting errors5, and,

Whereas, IV robotics and IV room workflow systems offer additional safeguards and advantages in comparison to traditional methods of IV compounding that result in decreased errors, decreased waste, operational efficiency, and a retrievable electronic audit trail6, and,

*Resolved*, that: The New York State Council of Health-system Pharmacists supports the recommendation for all hospitals to utilize IV workflow system technology when preparing IV compounds to decrease the chance of compounding medication errors.

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

By:

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References

1. Kohn L, Corrigan J, Donaldson M, eds. To Err Is Human: Building a Safer Health System. Washington, DC: Committee on Quality of Health Care in America, Institute of Medicine. Washington, DC: National Academies Press; 1999.
2. 2018-2019 Targeted Medication Safety Best Practices for Hospitals. *Institute for Safe Medication Practices*. Available at: <https://www.ismp.org/sites/default/files/attachments/2019-01/TMSBP-for-Hospitalsv2.pdf>. Accessed October 22, 2019.
3. Maximize Benefits of IV Workflow Management Systems by Addressing Workarounds and Errors. *Institute for Safe Medication Practices*. Available at: <https://www.ismp.org/resources/maximize-benefits-iv-workflow-management-systems-addressing-workarounds-and-errors>. Accessed October 22, 2019.
4. Current State of IV Workflow Systems and IV Robotics. *Prepared by AHSP Section of Pharmacy Informatics and Technology, Section Advisory Group on Pharmacy Operations Automation*. Available at: <https://www.ashp.org/-/media/assets/pharmacy-informaticist/docs/sopit-current-state-of-iv-workflow-systems-and-iv-robotics.pdf>. Accessed October 22, 2019.