Assessing Workplace Compliance With Handling of Antineoplastic Agents

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Oncology nurses and ancillary support personnel who work in oncology settings are at risk for exposure to antineoplastic drugs in their workplaces. A review of the literature reveals issues of environmental contamination and personal exposure. Although the United States has no formal regulations regarding hazardous drugs, including cytotoxic agents, guidelines have been published and are readily available to improve workplace safety. Oncology healthcare workers must be aware of the serious nature of antineoplastic drug exposure and the avenues available to initiate a simple, highly effective, problem-solving process called SOLVE® to make medical workplaces safer.

At a Glance
- Handling antineoplastic agents incorrectly increases risk for personal and environmental exposure.
- Compliance with organizational guidelines in the proper handling of antineoplastic agents should be assessed routinely.
- SOLVE® is a very effective and positive process that can be used by organizations to measure outcomes regarding compliance in the handling of antineoplastic agents.

The likelihood that a worker will experience adverse effects from hazardous drugs increases with the frequency of exposure, and the risk of adverse effects rises significantly with a lack of proper work practices.

Currently, neither NIOSH, the Occupational Safety and Health Administration (OSHA), nor the American Conference of Governmental Industrial Hygienists has established recommended exposure limits (RELs) or threshold limit values for workplace exposure in regard to hazardous drugs. RELs refer to concentrations of chemical substances and represent conditions under which it is believed that a significant percentage of the population (at least 10,000 workers) will neither experience adverse health effects nor manifest any evidence of systemic toxicity. The ability to handle antineoplastic agents correctly is vital to ensuring safe patient care.