

THE COST OF MEDICATION ERRORS IN CHEMOTHERAPY



Medication errors in general



44,000 – 98,000

deaths among Americans
each year¹



\$17 – \$29 billion

total national costs in America¹

Adverse drug event due to medication errors



4.6 days

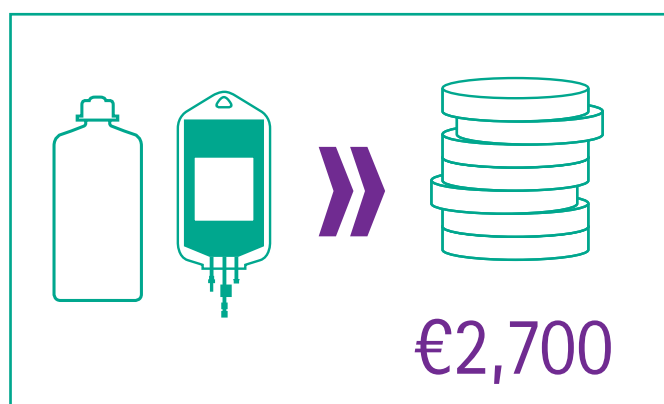
increase in patient's
length of stay (LOS)



\$4,685

in costs to the
health care system
per event²

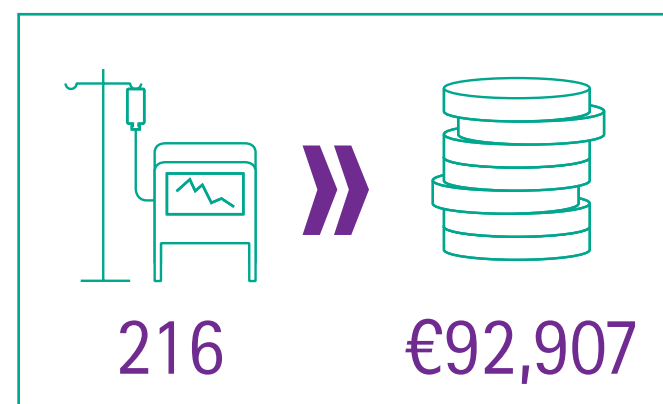
Medication errors in chemotherapy



Overdosing increases the risk of neutropenic complications, which account for a minimum of €2,700 additional costs per treatment.³



Complications associated with mean hospitalization costs of \$18,042 per patient.⁴



Consequences of intercepted medication errors

- **216 additional hospitalization days per year**
- **Annual costs of €92,907:**
€23,658 for additional drugs,
€69,248 for hospital stays.⁵

Sources:
1 Institute of Medicine (US) Committee on Quality of Health Care in America; Kohn LT, Corrigan JM, Donaldson MS, editors, To Err is Human: Building a Safer Health System, Washington (DC): National Academies Press (US); 2000.
2 Shah K et al, Can J Hosp Pharm 2016;69:394-402.
3 Markert A Int J Cancer 2009;124:722-728.
4 Schilling MB et al, Exp Ther Med 2011;2:859-866.
5 Ranchon F et al, BMC Cancer. 2011 Nov 8;11:478.