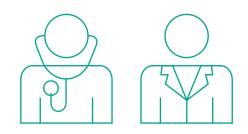


# MEDICATION ERRORS IN CHEMOTHERAPY



## WHAT ARE **MEDICATION ERRORS**

A medication error is defined as error in the

- ordering
- dispensing
- applicating
- or monitoring

of a drug.<sup>1</sup>

## HOW OFTEN DO MEDICATION ERRORS OCCUR



7% of adults



19% of children

taking chemotherapy drugs in outpatient clinics or at home were given the wrong dose or experienced other medication mistakes.<sup>2</sup>

### **OCCURENCE OF MEDICATION ERRORS**<sup>3, 4</sup>











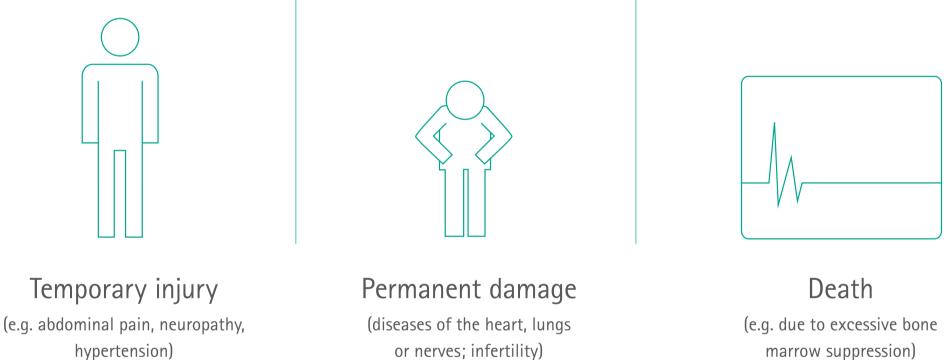


Preparation



Application errors

## CONSEQUENCES FOR THE PATIENT<sup>2, 3</sup>



According to one study, the vast majority of errors (436 out of 449) were intercepted before medication reached the patients. But:

- 13.4% of avoided errors would have resulted in temporary injury.
  - 2.6% would have resulted in permanent damage.
  - 2.6% would have compromised the vital prognosis of the patient.

Overall, 13 medication errors reached the patient without causing damage, although two patients required enhanced monitoring.

## **CONSEQUENCES FOR THE HOSPITAL<sup>3</sup>**





Another study showed that medication errors lead to 216 additional days of hospitalisation and cost an estimated total of €92,907 per year.

or nerves; infertility)



#### 216 additional days



#### **IN GENERAL**

Of all the drugs implicated in medication errors, antineoplastic drugs are the most commonly involved (52%).<sup>5</sup>

Sources: 1 Walsh K E et al. JCO 2009:27:891-896. 2 WebMD Health News, (2008), Drug Errors Common in Chemo Treatments, Hendruck, B., Retrieved from https://www.webmd.com/cancer/news/20081231/dru-errorrs-common-in-chemo-treatments#1. 3 Ranchon F et al, BMC Cancer 2011; 11: 478. 4 Watts R G et al. Pediatrc Blood Cancer 2013:60:1320-1324. 5 Banasser G et al, Pa Patient Saf Advis 2017; 14 (4).