

## NATIONAL RADIATION PROTECTION OFFICE UPDATE 18<sup>TH</sup> SEPTEMBER 2025

### RADIATION SAFETY INCIDENTS REPORTED ON THE NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS) Q2 2025

This report details the radiation safety incidents reported on the NIMS from April to June 2025. The figures listed below do not include incidents related to ultrasound, MRI or issues with extravasation of contrast from a peripheral vascular catheter.

#### 1. Category of radiation safety incident

Category of incident	Radiology	Radiotherapy
Harm	12	1
Near miss	123	6
No harm	193	75
Total number of reports	<b>328</b>	<b>82</b>

#### 2. Category of person affected by the radiation safety incident

Category of person	Radiology	Radiotherapy
Adult patient / service user	294	82
New born	3	
Staff member	25	
Member of the public	6	

#### 3. Details of the process involved in the incidents.

Radiology incidents reported on the NIMS in Q2 2025						
Process	Severity Rating					Total
	Extreme	Major	Moderate	Minor	Negligible	
Checking patient identification					27	<b>27</b>
Clinical details on referral			1		74	<b>75</b>
Documentation / records					29	<b>29</b>
Communication / consent issues					3	<b>3</b>
Equipment failure					23	<b>23</b>
Performing procedure					71	<b>71</b>
Pregnancy status					1	<b>1</b>
Not applicable / unknown				1	98	<b>99</b>

The 99 reports categorised as 'not applicable' or 'unknown' refer mainly to staff exposures, patient related issues and poor referral practices. Also, issues with poor communication within the multidisciplinary team, for example, in relation to the care of patients following a nuclear medicine scan.

Radiotherapy incidents reported on the NIMS in Q2 2025						
Process	Severity Rating					Total
	Extreme	Major	Moderate	Minor	Negligible	
Documentation / Records					12	12
Communication / Consent					7	7
Equipment Failure					9	9
Performing Procedure				1	50	51
Unknown / Not applicable					3	3

The 3 reports categorised as 'unknown / not applicable' were related to performing the procedure.

#### 4. The problems recorded in the incidents.

Radiology incidents reported on the NIMS in Q2 2025						
Problem	Severity Rating					Total
	Extreme	Major	Moderate	Minor	Negligible	
Diagnostic exposure greater than intended					34	34
General exposure related issue					72	72
Failure / malfunction			1		32	33
Wrong body part / side /site					51	51
Wrong dose (NM 10-20% greater than intended)					1	1
Wrong patient (>1mSv)					7	7
Wrong patient (<1mSv)					26	26
Wrong process / treatment / procedure					31	31
Other / Unknown				1	72	73

The 73 reports categorised as 'other' or 'unknown' refer mainly to poor referral practices; incorrect or incomplete patient information recorded on the system; and failure to check if the procedure requested had already been performed.

Radiotherapy incidents reported on the NIMS in Q2 2025						
Problem	Severity Rating					Total
	Extreme	Major	Moderate	Minor	Negligible	
Dose or volume variation in one fraction >10 – 20% wrt fraction dose					1	1
Dose or volume variation in one fraction >20% wrt fraction dose					1	1
Failure / malfunction					6	6
Wrong process / treatment / procedure					6	6
Other				1	67	68

The 68 reports categorised as 'other' refer mainly to treatment planning and delivery issues.