

LONG TERM AND CLINICAL EFFECTS OF A PHARMACOVIGILANCE EDUCATIONAL INTERVENTION IN SPECIALIST ONCOLOGY NURSES

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Background

- (Specialized) nurses can play an important role in monitoring adverse drug reaction (ADR).



Only 1 in every 1250 nurses reports an ADR each year

- Previous studies have shown an increase in competences after an educational intervention.
- Long-term and clinical effects remain unknown.

Aim

Investigate the clinical and long-term effects of a pharmacovigilance educational intervention in specialist oncology nurses (SONs).

Methods

Intervention



Control group (n=22)
SONs in a prescribing qualification course **WITHOUT** pharmacovigilance education.



Intervention group (n=68)
SONs in a prescribing qualification course **WITH** pharmacovigilance education.

Outcome measures



of reports **during/after** intervention



T0-survey (**direct** after qualification)
T1-survey (**one year** after qualification)
T2-survey (**two years** after qualification) on attitude and knowledge

Our pharmacovigilance educational intervention shows:

- Significant and relevant increase in reported ADRs after a single educational intervention.
- Immediate and sustainable long-term increase in:
 - Attitude towards pharmacovigilance
 - Basic pharmacovigilance knowledge
 - Skills when encountering an ADR

Results

Clinical results

Control group	Intervention group
0 Reports during the course	64 Reports during the course
0 Reports after the course	10 Reports after the course

200x higher reporting rate than average nurse

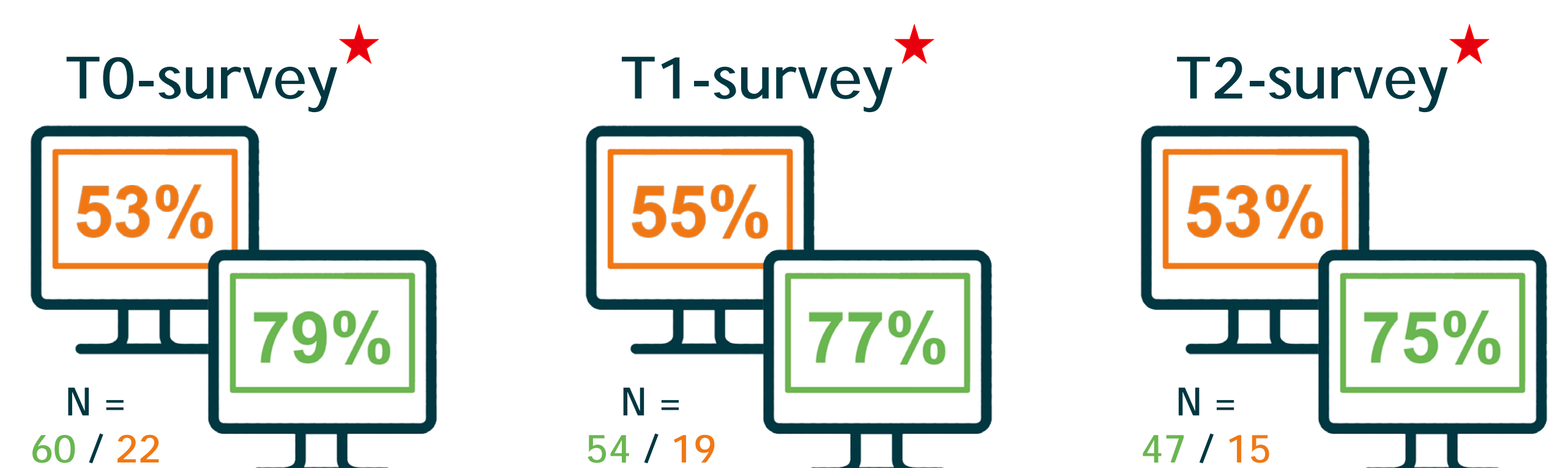
10x higher reporting rate than average physician

Opinion on role in pharmacovigilance



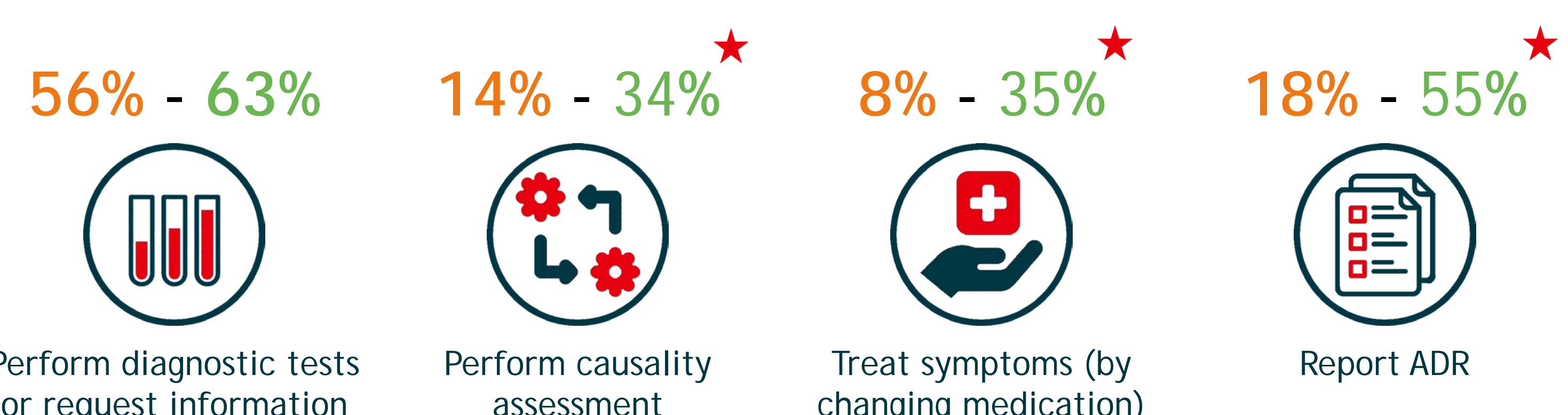
SONs opinion on most relevant healthcare professionals in pharmacovigilance [5-point likert scale].
★ (p<0.001)

Long term basic pharmacovigilance knowledge



SONs mean knowledge score on 11 basic dichotomous pharmacovigilance questions. ★ (p<0.05)

Skills when encountering an ADR



SONs mean reaction when encountering an ADR in their patients (open ended questions). ★ (p<0.05)

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No conflicts of interests to declare.