Additional file 3. Overview of specifications of implementation strategy elements according to the TIDieR checklist (30)

	Toolbox IMPROVING	1) Website	2)eLearning	3)Information sheet "SSR updates"	4)Feedback procedure	5)Audit & Feedback	6)Communication manual
WHY							
Justification	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators	Brainstorm: Previous analysis of barriers and facilitators
Kok et al. (43) methods	N.A.	Persuasive communication	Active learning	Facilitation	Participation	Feedback	Advocacy and lobbying
		Advance organizers	Modeling		Technical assistance		Modeling
			Elaboration		Advance Organizers		
WHAT	Dissemination	Inform	Inform and learn	Inform	Motivate to provide feedback	Provide feedback to encourage use of SSR	Communicate and support
Materials[A]	Infographic	Webpages	eLearning modules	Information sheet, part of all SSR templates	Feedback button, part of all SSR templates	Audit and feedback reports	Communication Manual
Procedures	Infographic was provided to pathologists in multiple ways	Via the toolbox (infographic) or directly via the PALGA website, pathologists had access to webpages providing information on SSR					

WHO PROVIDED	PALGA[B]	PALGA	PALGA	PALGA	PALGA	Project team	PALGA
	Dutch Pathology Association						
HOW	Online, individually	Online, individually	Online, individually	Part of SSR templates, individually	Part of SSR templates, individually	E-mail, individually or to multiple pathologists / PALGA liaison	Online, individually
WHERE	PALGA website	Link to website included in the IMPROVING toolbox	Link to eLearning included in the IMPROVING toolbox	Part of SSR templates	Part of SSR templates	Send via e-mail as an attachment	Link to website included in the IMPROVING toolbox
	Dutch Pathology Association Newsletter	Direct access via www.palga.nl	Access via www.palga.nl				Direct access via www.palga.nl
	Dutch Pathology Association website		Direct access via www.cuble.nl				
WHEN and HOW MUCH	Freely available via internet during study	Freely available via internet during study	Freely available via internet during study	Available via SSR templates	Available via SSR templates	Three editions: 1) 1 March, 2021 2) 30 March 2021 3) 28 May 2021	Freely available via internet during study
Temporality	Use when needed	Use when needed	Use when needed	Use when needed	Use when needed	Once a month	Use when needed
Dose	Depends on demand of user	Depends on demand of user	Depends on demand of user	Depends on demand of user	Depends on demand of user	15 minutes	Depends on demand of user
TAILORING	Elements based on previously conducted barrier and facilitator analysis. Development is reported in Swillens et al. (22)						
MODIFICATIONS	Implementation strategy (elements) were previously tested in a pilot and modified, before being implemented and evaluated on a national level. Pilot study is reported in Swillens et al. (22)						
HOW WELL							

Planned	Individual elements could be used digitally on an as-needed basis. We evaluated the actual use of the implementation strategy (elements) on a national level. This is reported in the Method section of this article.
Actual	Actual use was already evaluated in our pilot study, reported in Swillens et al. (22). We also evaluated the actual use of the implementation strategy (elements) on a national level. This is reported in the Result section of this article.

[A]Materials are reported in Swillens et al. (22) and a preview of the audit and feedback report in additional file 4

[B]Professional association for developing SSR templates