E-Learning as an interventional element to improve weaning PRiVENT the expertise as ot part (prevention of invasive ventilation) project

Background

circles, an e-learning platform on weaning was provided.

M1		Introduction into the project
M2		After intubation
	Part	Respiratory support in acute respiratory failure
	1	
	Part	Respiratory support in COPD
	2	
M3		When does weaning start?
M4		Supportive measures in weaning
	Part	Nutrition at the ICU and in weaning
	1	
	Part	Prevention and therapy of nosocomial infections in weaning
	2	
	Part	Management of analgesia, sedation and delirium in weaning
	3	
M5		Weaning process
M6		Specific secretion management
	Part	Physiological basics and therapeutic principles
	1	
	Part	Additional basics and use of assistive devices
	2	
	Part	During ventilation: humidification, inhalation therapy and advantages
	3	of an artificial airway
M7		Discharge management

Table 1 Table 1 Designation of the e-learning modules

Methods

The self-paced e-learning course "joint prevention of long-term ventilation" was developed in peer review procedure between the partners and consists of 7 modules (M1-7) with practice-oriented learning units, corresponding case studies and a course-wide resources section. At the end of each module, users can take an online test to earn credits for Continuing Medical Education (CME).

Access is made available to health care professionals participating in the study via a personal login code. The number and distribution of users are documented and evaluated. Feedback for the e-learning is discussed in the quality circles (QC).







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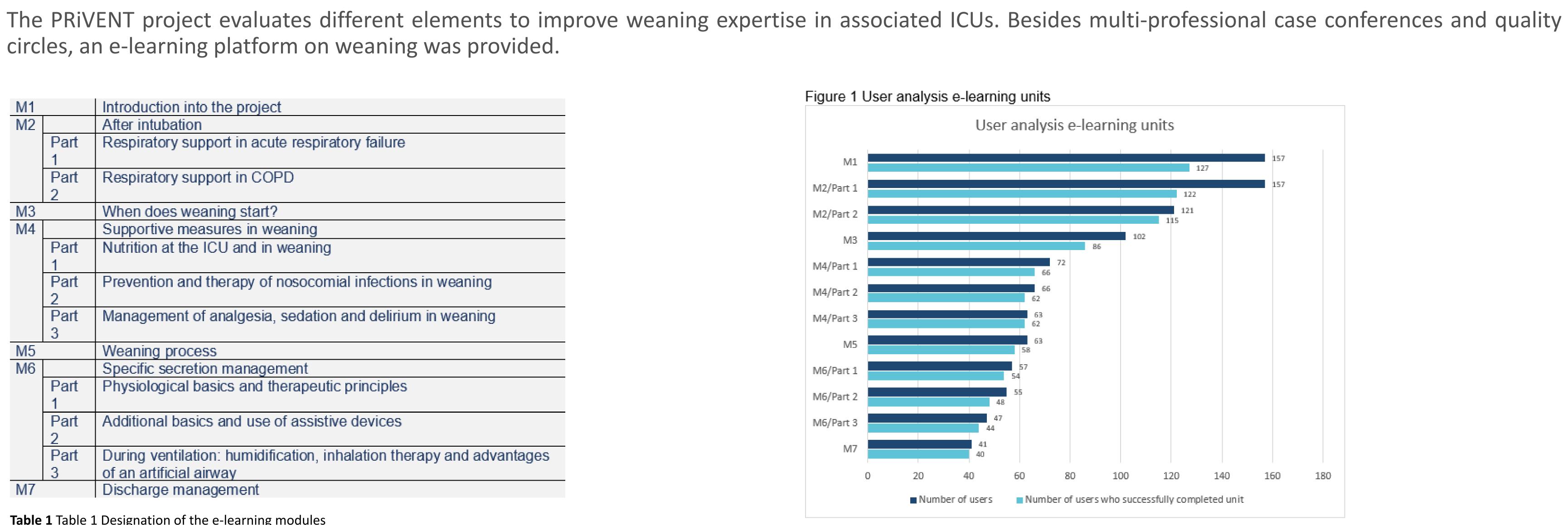


Figure 1 User analysis e-learning units

Results

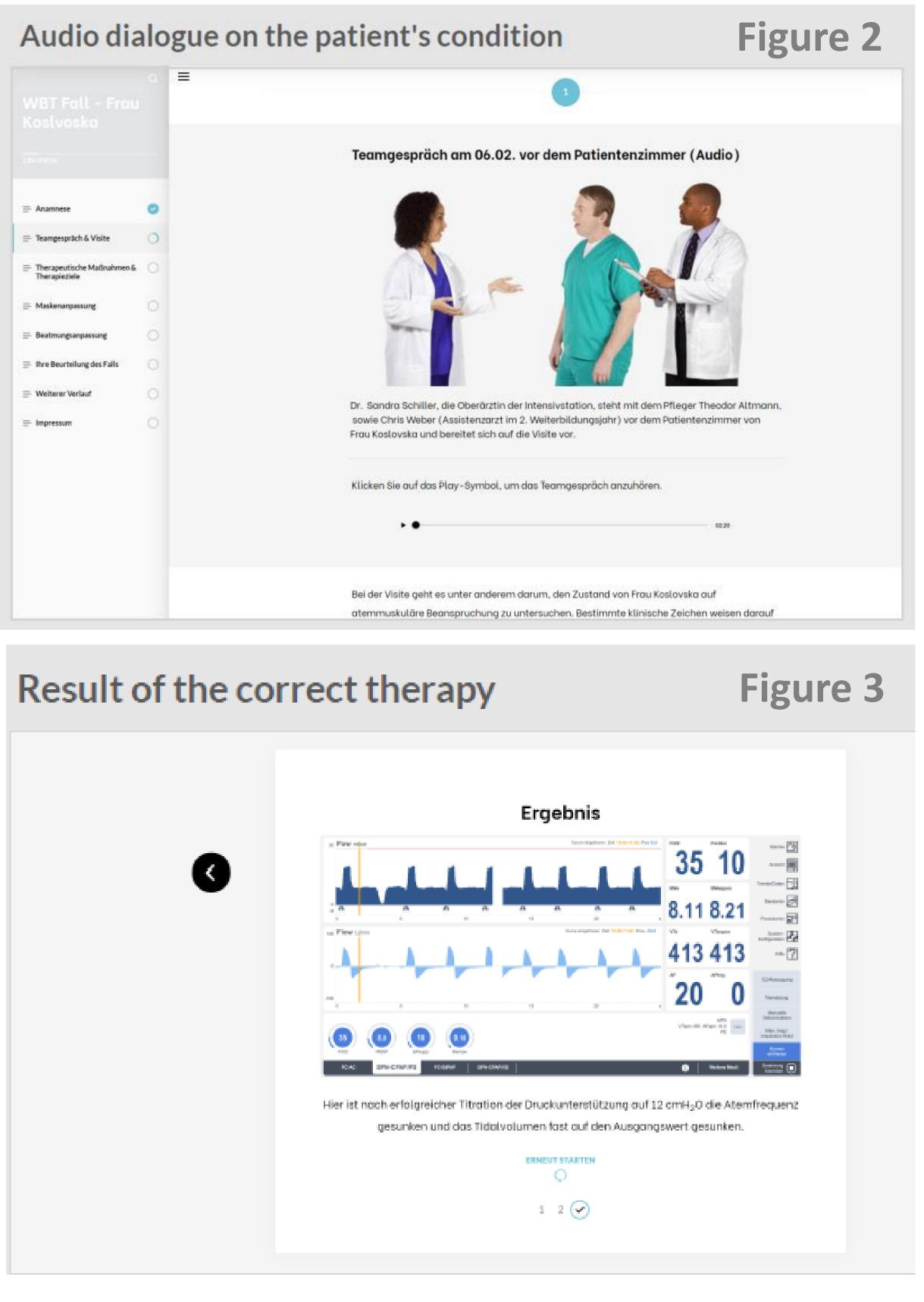
The platform went online at 01.07.2021. Until 28.06.2023 users from 33 cooperating clinics registered for the course. Working through the course, learners follow the sequence of the modules. Therefore, modules placed at the end of the course are viewed less frequently: M3 by 65%, M7 by 26%. Most of the participants take the test at the end of each module to obtain the credits (M1 67%, M7 98%).

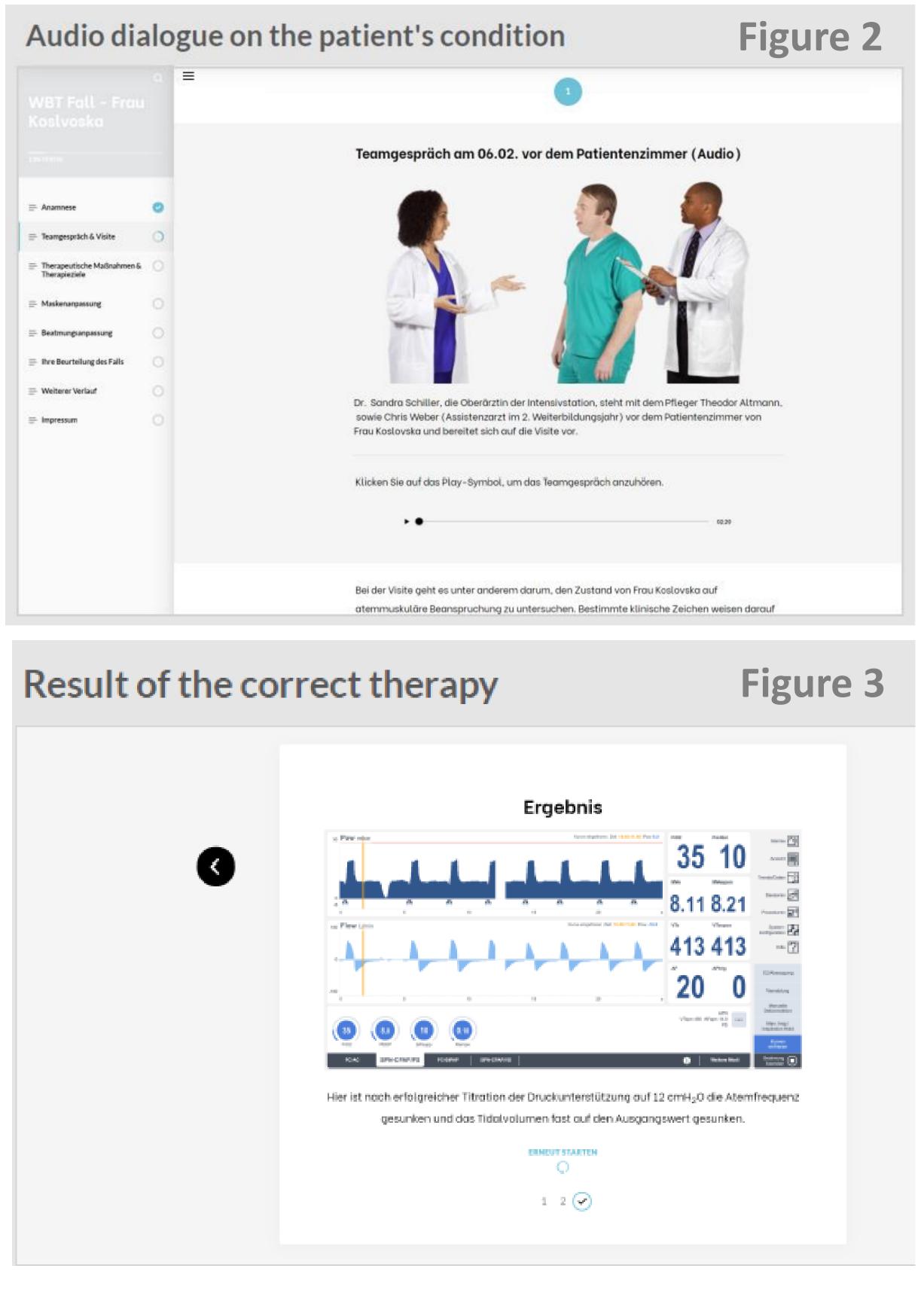
In the online feedback and the QC the health care professionals commended the content's high quality and the logical and accessible structure as well as the chance to gain CME.





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Conclusion

E-learning to improve weaning expertise was well received on ICUs. It is a useful tool in a prevent blended medical training to improve knowledge transfer.











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