

# CCSV

## Five facts about Chest Compression Synchronized Ventilation

**WEINMANN**  
medical technology



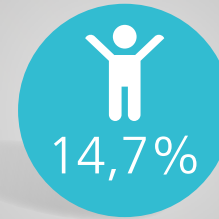
CCSV is a success!  
90 % of users would recommend CCSV to others. 93 % of users rate CCSV as helpful in a cardiac arrest scenario.<sup>1</sup>



Remarkable fact:  
The longest CCSV ventilation time of a patient requiring CPR and able to leave hospital was more than 3 hours.<sup>4</sup>



Initial publications are promising: In one study, ROSC on hospital arrival was achieved in 21 out of 34 (61.8 %) CCSV patients.<sup>2</sup>



Equally promising:  
5 out of 34 of these patients (14.7 %) were discharged from hospital alive.<sup>2</sup>



Since the introduction of CCSV, the mode has already been used in over 150 emergency medical service organizations and hospitals - and the trend is rising!<sup>3</sup>

List of sources:

<sup>1</sup>WEINMANN Emergency GmbH+Co. KG: Results of a survey as part of the post-market clinical follow-up of CCSV, 10/2019.

<sup>2</sup>Kill C, et al: Mechanical positive pressure ventilation during resuscitation in out-of-hospital cardiac arrest with chest compression synchronized ventilation (CCSV) In: Resuscitation 142, e42, <https://doi.org/10.1016/j.resuscitation.2019.06.102>

<sup>3</sup>WEINMANN Emergency GmbH+Co. KG: Evaluation of the internal customer database, 11/2023.

<sup>4</sup>van der Velde J, et al. Fully Automated Cardiopulmonary Resuscitation - a Bridge to ECMO. In: Resuscitation 192, SUPPLEMENT 1, p. 52-53, Nov 2023. [https://doi.org/10.1016/S0300-9572\(23\)00467-7](https://doi.org/10.1016/S0300-9572(23)00467-7)