

**X SERIES® ADVANCED**

# Real BVM Help®: Real-Time Feedback to Improve Ventilation

It's well established that excessive ventilation is often provided to patients today.<sup>1</sup>

Studies show that in over 90% of cases, ventilation delivery is either excessive or insufficient<sup>2</sup> and that the average rate can exceed over 30 ventilations per minute.<sup>1</sup>

Poor ventilation quality likely occurs due to a lack of real-time feedback. ZOLL® is proud to introduce Real BVM Help™, a groundbreaking new technology available only on ZOLL's new X Series® Advanced monitor/defibrillator.

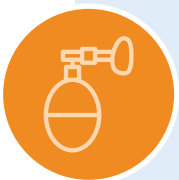
Real BVM Help provides clinicians with real-time ventilation feedback on both rate and volume for patients managed with a simple BVM or an advanced airway.



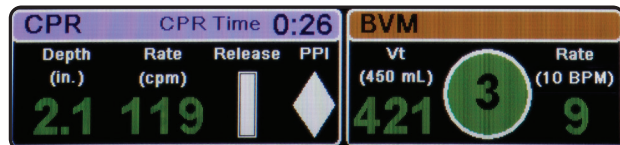
## THE NEW ZOLL X SERIES ADVANCED WITH REAL BVM HELP PROVIDES:

- Target and delivered ventilation volume and rate
- A ventilation quality indicator (VQI) and countdown timer to guide providers in delivering high-quality ventilations

Real BVM Help works with any standard-sized commercially available airway management device for both intubated and non-intubated patients.



## Real BVM Help integrates with existing ZOLL CPR technologies



For cardiac arrest patients, the new X Series Advanced monitor/defibrillator offers both Real CPR Help® and Real BVM Help®, giving providers simultaneous real-time feedback on both compression and ventilation quality. When used with adult ZOLL CPR electrodes, the X Series Advanced displays the Real BVM Help Dashboard next to the Real CPR Help Dashboard.

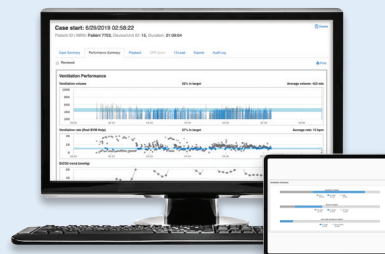
## Real BVM Help guides providers to consistently deliver high-quality ventilations

Guidelines suggest a rate of 10 breaths per minute<sup>1</sup> when ventilating a patient. The average provider has been shown to deliver nearly 3 times that rate.<sup>2</sup> Real BVM Help provides the real-time feedback clinicians need to deliver high-quality ventilations.

With Real BVM Help on the X Series Advanced, providers can view delivered tidal volume and rate on the monitor. Just as Real CPR Help has been proven to improve CPR quality, clinicians finally have a solution to help improve ventilation quality with Real BVM Help.



Ventilation data from Real BVM Help can be easily reviewed in RescueNet CaseReview® for post-case QA/QI.



## The new X Series Advanced integrates wirelessly with ZOLL's AutoPulse



When the AutoPulse is in use, the X Series Advanced automatically recognizes and displays AutoPulse compressions on the CPR Dashboard.

## Advance your care and provide high-quality ventilation with Real BVM Help. For more information, visit [zoll.com/xseriesadvanced](http://zoll.com/xseriesadvanced)

<sup>1</sup>Aufderheide TP, Lurie KG. Crit Care Med. 2004 Sep;32(9 Suppl):S345–51.

<sup>2</sup>Kleinman ME, et al. Circulation. 2015; 132(suppl 2): S414–S435.