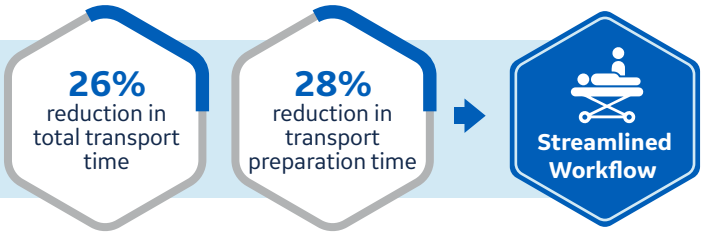
Revolutionizing Patient Transport Monitoring*

Summary of results from observation study comparing usability of patient transport monitor CARESCAPE™ ONE vs comparator device of same class

The CARESCAPE™ ONE – redefining conventional patient monitoring and transport solutions

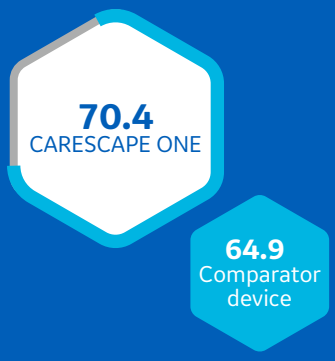
> This monitor will help me **save time** in my daily routine, resulting in **better focus on my patients.**
> - OR healthcare professional with 13 years of experience

CARESCAPE ONE's efficient design improves user workflow by gaining time for transport. It helps achieve:



Intuitive Concept. Extraordinary Results.

CARESCAPE ONE outperforms the gold standard usability reference and is easier to use than a comparator device



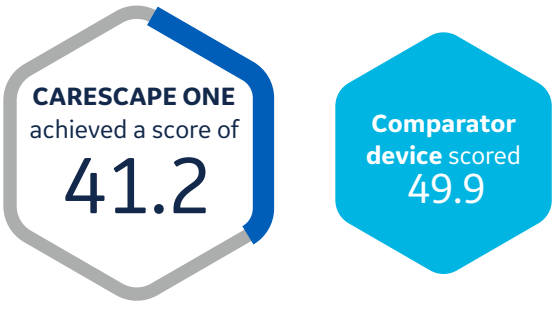
The System Usability Scale (SuS): An industry standard metric used for **measuring perceived usability and ease of use**[1]

Participants found it easier to perform tasks with CARESCAPE ONE

> Great user interface with large screen and **intuitive design.**
> - ED Transport nurse with 13 years of experience

The NASA Task Load Index (NASA-TLX) Score:

A proven methodology from NASA, this is a metric that reflects workload on the operator on 6 key parameters[2]



CARESCAPE ONE requires less mental and physical workload than other equivalent products that perform the same operations

CARESCAPE ONE outperforms its competitors by as much as 17.4% in terms of workload

CARESCAPE ONE – Delivering High Quality Care

User Experience (USX) Score:

A rating that reflects the operators ease of using the product based on four distinct elements: learnability, efficiency, utility and desirability[3]

64% of operators rated CARESCAPE ONE high on efficiency

47% rated comparator device high on efficiency

> For newcomers in my department, the learning curve will be faster as the user interface is very intuitive.
>
> - ICU transport nurse with 13 years of experience

64% of operators rated CARESCAPE ONE high on usability

61% rated comparator device high on usability

> This device is very intuitive and spontaneous to use; it can be used with only 5 minutes of training and less solicitation to biomedical engineers.
>
> – OR Healthcare Professional with 10 years of experience

The Net Promoter Score (NPS): A standard metric indicating how many users are willing to recommend this device to others[4]

CARESCAPE ONE

8 out of 10 users preferred to recommend CARESCAPE ONE to others

COMPARATOR DEVICE

7 out of 10 users preferred to recommend comparator device to others

Task Failure Rate:

CARESCAPE ONE helps decrease user failure rate by 60%

CARESCAPE ONE **4%**

Comparator device **10%**

> I would select this monitor as it is easier to handle. It reduces stress levels and we all know that stress is communicated to the patient.
>
> - ICU transport nurse with 3 years experience

88% of participants preferred CARESCAPE ONE instead of comparator device as the next generation of transport monitoring solutions

100% say it is EASIER TO CLEAN

75% say it reduces cleaning WORKLOAD

96% says it is FASTER TO CLEAN

67% consider it to be ROBUST

References

Brooke J. SUS: a retrospective. JUS 2013; 8: 29-40 SUS yields a single number representing a composite measure of the overall usability of the system being studied. Combined score is a well-established metric for assessing the usability of a product or system. NPS is obtained by asking a single question on a 0 to 10 rating scale. Based on the responses, users are categorized into one of the three groups, "Promoters" (9–10), "Passives" (7–8), and "Detractors" (0–6) 3. Noyes, JM, Bruneau DPJ. A self-analysis of the NASA-TLX workload measure. Ergonomics, 2007; 50: 514-519. 4. UXS is a 12 question multidimensional subjective assessment designed to measure user experience. Usability is defined as the degree to which a product enables the most successful performance in the least amount of time; two usability dimensions assessed by the UXS are learnability and efficiency. Usefulness (utility) is defined as the product's potency relevant to the user's needs. Desirability is defined as the affective valence the user associates with the product after interaction. This study was conducted in a pre-market setting. The GE CSONE system is not available for sale in the United States. 5. Frederick F. Reichheld. 2003. The One Number You Need to Grow. Harvard Business Review. This study was conducted by an independent third party from CESIM Sante of Centre De Simulation and INSERM at Faculty De Medecine, Brest. Twentyfive transport nurses performed simulated patient transport and cleaning of devices in a real time clinical environment simulated in lab on two systems: GE CARESCAPE ONE and comparator device. Additional information about the study can be found in "CSONE performance and usability study Observational study" comparing CSONE and other transport monitor available upon request from GE Healthcare.

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