







## Comprehensive Checklist and Report Form for Core Digital Measures of Sleep: Sleep efficiency

This checklist and report form is intended for people conducting studies employing a digital health technology (DHT) to measure sleep efficiency (SE).

The checklist ensures users have identified and collected the necessary details and evidence to support 1) the use of the measure in their target population and 2) the parameterization of the core measure.

Descriptions and evidence (references, parameterization details) relating to each aspect of the core measure are recorded on the following pages.

Sleep efficiency as an outcome measure	Description	Evidence
A. Qualitative evidence supporting patient relevance in the target population.  See: <u>Digital Measures that Matter to Patients</u>		
<b>B.</b> Quantitative evidence of clinical validity in the target population.  See: The V3 Framework		

The parameters required for the calculation of sleep efficiency can be supported by:

- 1. Descriptions of the algorithm output used for each of the necessary parameters, and/or
- 2. References to documented evidence (published manuscripts, technical specifications, etc.)

These elements are further described in the <u>Core Measures: Sleep Measurement System.</u>

Sleep measurement system variables	Description	Evidence
C. Sleep staging		
D. Time attempting to sleep		





E. Total sleep	o time		
	ng the quality of the evidence provided fo fer to the EVIDENCE checklist.	r the selected o	digital health
	<b>omplete:</b> Store with study document for for for the registration, study report, or manuscript		Submit with
A. Qualitati population	ive evidence supporting patient r	elevance in t	the target
Description			
Evidence			
B. Quantita	tive evidence of clinical validity	in the target	population
Description			
Evidence			
LVIUCIICE			





Comprehensive	Checklist and Report Form for Core Measures: Sleep efficiency (SE)
C. Sleep sta	aging
Description	
Evidence	
D. Time att	empting to sleep
Description	
Evidence	





Comprehensive	Checklist	апа кероп п	-01111 101	core measures.	Steep enriciency	(SE)
	T					

## E. Total Sleep Time

Users should complete the <u>Total Sleep Time Checklist and Evidence Report Template.</u>

