ISO 24227:2023-10 (E)

Validation protocol for walking speed as extracted from various sensor systems that measure human body motion for the healthcare sector

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Validation protocol of walking speed as provided by various sensor systems ... **1**

4.1 General ... 1

4.2 Qualifications of the measurer ... 1

4.3 Sample size and participant selection for the validation study ... 2

4.4 Validation study procedure ... 2

4.4.1 Establishing walking distance ... 2

4.4.2 Measurement of walking speed ... 2

4.4.3 Comparison of measured walking speeds ... 3

5 Validation study reporting ... **3**

Annex A (informative) **Template to report the results of a validation study** ... **4**

Annex B (informative) **Sample report of the results of a validation study** ... **5**

Bibliography ... **7**