

# Pressure Mapping



Pressure mapping is a specialised measurement technology used to measure and visualize the contact pressure distribution between the human body and a supporting surface and equipment interface, e.g. person, chair or sling. Care & Independence commission independent pressure mapping experts to conduct such trials to ascertain sling performance and help identify areas of risk. The subsequent scientific data insight has enabled Care & Independence to develop solutions and vastly improve upon the areas which indicate tissue viability risks, pain or other health concerns to the equipment user.

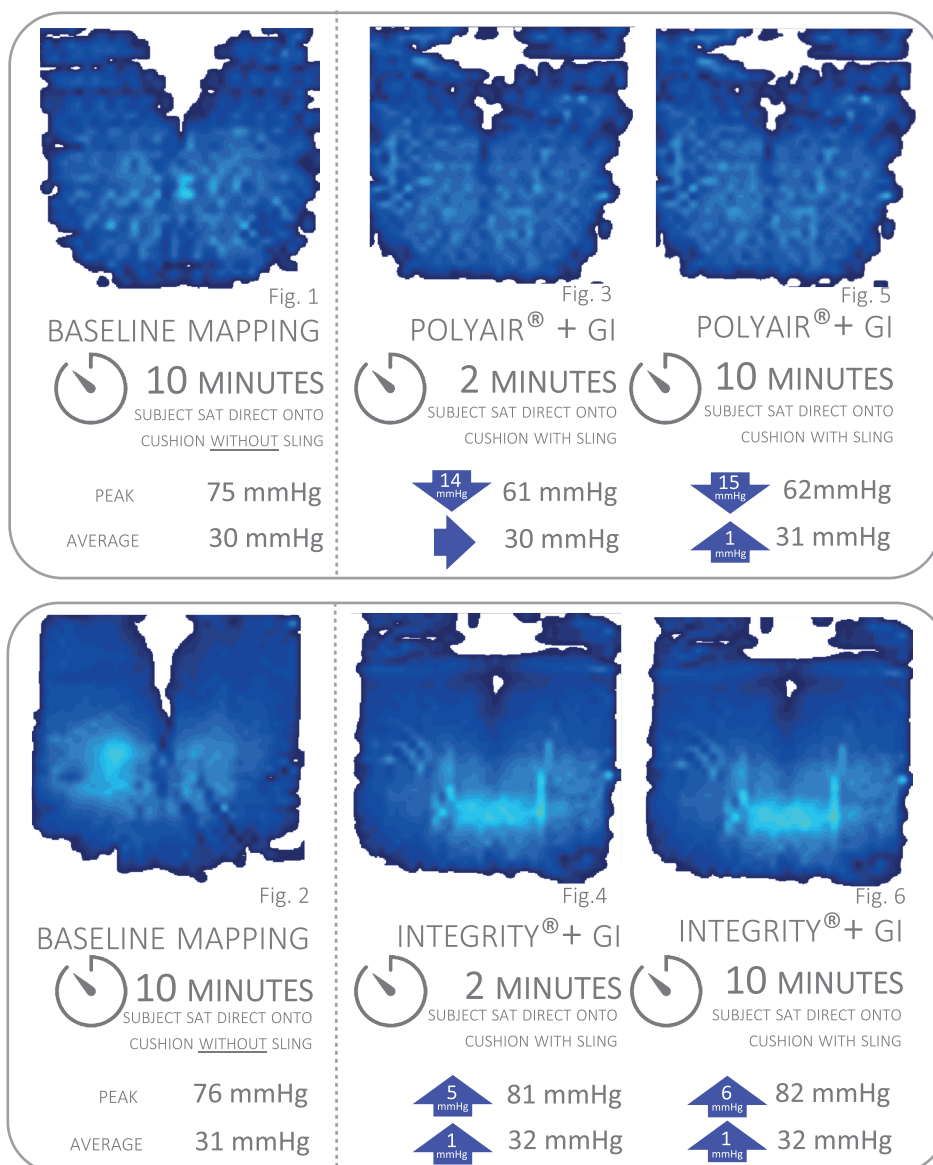
## RESULTS FOR GLOVE™ IN-CHAIR (GI)

The data clearly shows that even after ten minutes seating, the peak pressure results clearly remain in the blue zone, demonstrating that the introduction of the GLOVE™ In-Chair sling does not impair user comfort.

In the baseline mapping tests where the subject was sat clothed direct upon both cushion types, a clear low pressure result was returned as indicated by the expanse of blue colouring. [Fig. 1 & 2]

Compared to the baseline result, introducing the GLOVE™ In-Chair sling decreases the peak pressure by 14 mmHg on the Polyair® and only increases the baseline mmHg by five points on the Integrity® cushion. [Fig. 3 & 4]

After ten minutes sitting in the sling, the pressure peak results for both cushion types only increase by an additional one mmHg despite a further eight minutes of seating! [Fig. 5 & 6]



MEDICAL CUSHION TYPE:

1. PolyAir® comfort cushion
2. Sumed Integrity® Static High Risk

SUBJECT: Male, 5'6", 82.5kg

DATE OF TEST: April 2021

TESTER: Sumed International (UK) Ltd

\*mmHg stands for millimetres of mercury and is used as a pressure measurement