

# NEUROPEDIC INTERFACE PRESSURE STUDY

	<u>Scapular (Shoulder) area</u>		<u>Sacral (tail bone) area</u>				<u>Trochanter (Hip) area</u>		<u>Heels</u>	
	<u>mmHg</u>	<u>SD</u>	<u>(bed flat)</u>		<u>(Head of bed up)</u>		<u>(while on side)</u>		<u>mmHg</u>	<u>SD</u>
			<u>mmHg</u>	<u>SD</u>	<u>mmHg</u>	<u>SD</u>	<u>mmHg</u>	<u>SD</u>		
NEUROPEDIC MULTI-DENSITY (1)	17	+/- 3	22	+/- 2	29	+/- 4	42	+/- 4	40	+/- 6
NEUROPEDIC CC 2000 Model (2) (3) (4)	13	+/- 5.6	18	+/- 4.8			38	+/- 9.2	19	+/- 17.4
NEUROPEDIC T-4 Model (2) (4)	16	+/- 6.6	22	+/- 9.2			39	+/- 11.6	22	+/- 18.3
STANDARD HOSPITAL MATTRESS	29	+/- 17	40	+/- 8			81	+/- 19	71	+/- 29

**NOTES:**

(1) Measurement Device: Texas Interface Pressure Evaluator (Tipe)

(1) Summary of subject body build: A total of 10 (ten) subjects divided equally between male and female with a range of thin, average, and large build. Subjects weighed from 104 lbs. to 220 lbs.

(1) The pressures generated on the mattresses are significantly lower than the pressures generated when lying on a standard hospital mattress. Thus, the product could be a significant tool in an institution's comprehensive tissue pressure management program.

(1) The NEUROPEDIC MULTI-DENSITY mattress has been utilized for pressure sore prevention without the use of overlays for over 15 years!

(1) Test performed February, 1991

(2) Subjects used for this analysis were selected according to heights and weights ranging from 5'1" 105 lbs. to 6'1" 200 lbs.

(2) Test performed July, 2000.

(3) The integrated heel section reduces average interface pressure by 50% (fifty percent) over models tested without this special feature.

(4) Test performed by MAXIUM Technologies, Inc. using the Talley Oxford Pressure Monitor Model MK II. Full test results available upon request.

STANDARD DEVIATION: is an indicator of how consistent the product is in producing the average pressure; the smaller the SD the more consistent is the performance and more likely it is that for a given person the average pressure is indicative of the pressure that will be generated. The data for a standard hospital mattress is provided so that the relative effectiveness of the product can be made.

**For more information, contact JWA (see below)**

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