

The Dexter height guidelines were developed for and encompass nearly exclusively dwarf Dexters (chondrodysplasia carriers) to the exclusion of the majority of homozygous normal (non-chondrodysplasia carriers).

Data in tables below are taken from: *“A DNA Test for Chondrodysplasia in Dexter Cattle” J.A.L. Cavanagh, I. Tammen, P.A. Windsor, P.C. Thomson, F.W. Nicholas and H.W. Raadsma – Paper presented to the Second World Congress on Dexter Cattle, 2002.*

Table A. *Averages of Measures for Female Dexters n = 94:*

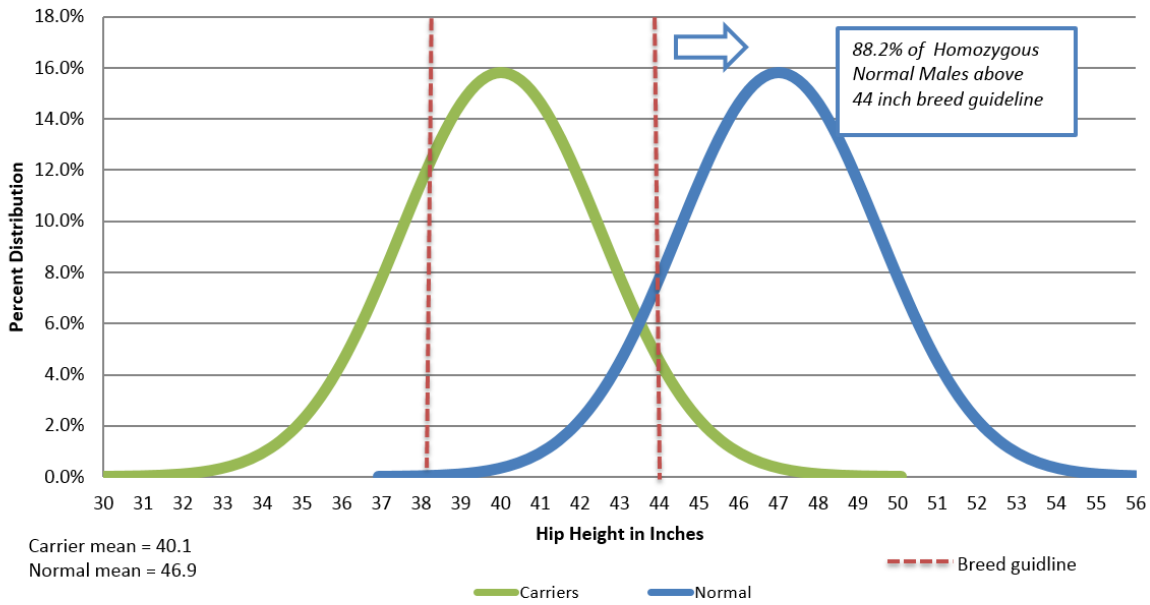
Measurement	Female Non-Carriers n = 65	Female Carriers n=29	Difference
Height at wither (in)	44.12	40.413	3.70
Height at Hip (in)	44.30	39.78	4.52
Girth (in)	64.712	62.925	1.787
Length (in)	47.043	42.89	4.15
Cannon bone length (in)	6.488	5.492	.996

Table B. *Averages of Measures for Male Dexters n=34:*

Measurement	Male Non-Carriers n=22	Male Carriers n=12	Difference
Height at wither (in)	47.527	39.73	7.797
Height at Hip (in)	46.99	40.011	6.979
Girth (in)	75.326	62.81	12.516
Length (in)	54.047	42.54	11.507
Cannon bone length (in)	6.610	5.24	1.37

The charts following are normal distribution height curves for male and female chondrodysplasia carriers and non-carriers using the mean height at hip from the Cavanagh, et. al. data. Overlaid on the distribution curves are the breed guidelines and the percent of non-carriers for males and females above the guideline.

Hip Height Distribution of Chondrodysplasia Carrier and Non-Carrier Dexter Males



Hip Height Distribution of Chondrodysplasia Carrier and Non-Carrier Dexter Females

