

# Woolly Wormhead

## Head Sizing

After receiving many enquiries regarding sizes of Hats, in particular ratio of circumference vs length, and after failing to be satisfied with the information already available, I started to collect the data myself to be able to provide not only accurate, but *real* average measurements.

Size increments are in 2.5 cm – this is approximate to 1 inch although specific equivalents for imperial are given with each set of results. Working in metric allows for more accurate results, and the 2.5cm increment seemed appropriate considering it's closeness to the inch unit.

Even though at the time I asked participants to provide gender, I have decided to exclude that from the results below. 149 results were received, 20 of those were under 3yrs. Of the remaining 129, 36 were males and 93 were female. Clearly the results are unbalanced in terms of gender and cannot make any real comment on whether males do or do not have larger heads than females.

The most rapid growth in head size occurs during the first 12 months of our lives as babies. Insufficient results were received for this range, and so head length for these sizes has been based on a ratio calculated from the results received. This is a predicted measurement, so please bear that in mind. The sizing categories below listed with 'no results' are the only ones that do not contain true data, and the only ones that required a prediction of results – all others contain real measurements.

The main conclusion I have been able to draw is that measuring the head of the recipient is still the best advice. Whilst there is a relationship of sorts between the head circumference and the head length, there is no typical head circumference for any given age group, and also no specific length. The most common circumference measurement is in the Adult range of 55 – 57.49 cm/21.65 – 22.63 inches but as previously stated, I do not feel a sufficient range of results were received to say that this is a *true* average for Adults. For any age, especially babies, it is always best to measure at least the circumference of the recipient to ensure a good fit.

Finally, please also note – for the measurements given on the chart on my website, these results have been rounded to the nearest practical measurement, to make things easier for the knitter/crocheter – trying to measure to 10.09 cm or 3.97 inches isn't easy! Also, those measurements are given in larger increments (5 cm/2 inches) and so the length is a rounded average – the results listed below are more accurate.

**Disclaimer** – in no way am I stating that these are a definitive set of results, and neither can I be held responsible if these measurements are used and the resulting Hat does not fit as desired. These calculations are based on results I received from people kind enough to take out a tape measure and post their results. Averages have been calculated and the maths is correct to the best of my knowledge. It is entirely possible that people may have head sizes outside of the ranges given here. As previously suggested, the only way to guarantee a well fitting Hat is to measure the head it is intended for!

**Circumference:- 32.5 – 34.99 cm/12.79 – 13.77 inches***(no entries – measurements predicted)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
10.09 – 12.49 cm	11.29 cm	Preemie to newborn
3.97 – 4.92 inches	4.44 inches	

**Circumference:- 35 - 37.49 cm/13.78 – 14.75 inches***(no entries – measurements predicted)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
11.66 – 13.38 cm	12.52 cm	Newborn to 3 mths
4.59 – 5.27 inches	4.93 inches	

**Circumference:- 37.5 - 39.99 cm/14.76 – 15.74 inches***(no entries – measurements predicted)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
12.5 – 14.28 cm	13.39 cm	Newborn to 6 mths
4.92 – 5.62 inches	5.27 inches	

**Circumference:- 40 – 42.49 cm/15.75 – 16.72 inches***(2 entries)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
14 cm	14 cm	3 – 9 mths
5.51 inches	5.51 inches	

**Circumference:- 42.5 – 44.99 cm/16.73 – 17.71 inches***(1 entry)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
15 cm	15 cm	6 – 18 mths
5.91 inches	5.91 inches	

**Circumference:- 45 – 47.49 cm/17.72 – 18.69 inches***(5 entries)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
13.5 – 17 cm	15.65 cm	6 mths – 2 yrs
5.31 – 6.69 inches	6.16 inches	

**Circumference:- 47.5 – 49.99 cm/18.7 – 19.68 inches***(4 entries)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
15 – 19 cm	17.5 cm	8 mths – 3 yrs
5.91 – 7.48 inches	6.89 inches	

**Circumference:- 50 – 52.49 cm/19.69 – 20.66 inches***(15 entries)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
15 – 22 cm	18.53 cm	2 yrs – 6 yrs
5.91 – 8.66 inches	7.30 inches	

**Circumference:- 52.5 – 54.99 cm/20.67 – 21.64 inches***(13 entries)*

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
18 – 21.5 cm	19.92 cm	3 yrs - Adult
7.09 – 8.46 inches	7.84 inches	

**Circumference:- 55 – 57.49 cm/21.65 – 22.63 inches**

(58 entries)

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
19 – 24 cm	21.39 cm	8 yrs - Adult
7.48 – 9.45 inches	8.42 inches	

**Circumference:- 57.5 – 59.99 cm/22.64 inches – 23.61 inches**

(31 entries)

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
17 – 24 cm	22.03 cm	16 yrs - Adult
6.69 – 9.45 inches	8.67 inches	

**Circumference:- 60 – 62.49 cm/23.62 – 24.60 inches**

(14 entries)

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
21 – 25 cm	22.69 cm	Adult
8.27 – 9.84 inches	8.93 inches	

**Circumference:- 62.5 – 64.99 cm/24.61 – 25.59 inches**

(2 entries)

<u>Length range</u>	<u>Average length</u>	<u>Age range</u>
22.75 – 24.25 cm	23.5 cm	Adult
8.96 – 9.55 inches	9.25 inches	

**Contact:-**

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