

Central Lancashire Online Knowledge (CLoK)

Title	The use of computer-aided design and manufacture for foot orthoses: a cross-sectional study of orthotic services in the UK
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Supplementary File 2. Response rates for individual questions

Question 2.1: Which of the following best describe your Orthotic Service?

Service type % (number of replies)
NHS In-house service 31.3% (41/131)
NHS Contracted service 61.8% (81/131)
Both 6.9% (9/131)
No response 0% (0/131)

Question 2.2: Does your Orthotic Service provide bespoke insoles to patients?

Response % (number of replies)
Yes 93.1% (122/131)
No 1.5% (2/131)
No response 5.3% (7/131)

Question 2.3: How many bespoke insole orders did your Orthotic service place in the 2021/22 financial year?*

Response % (number of replies)
Response received 80.6% (104/129)#
No response 19.4% (25/129)

*Those who responded “no” to question 2.2 were not required to answer the remainder of the questions, therefore the total number of possible respondents is 129

#Of these respondents 15/129 stated that their response was an estimate or a range rather than a known value

Question 2.4: Does your Orthotic Service ever provide bespoke insoles which have been **manufactured** using computer-aided processes, such as addition manufacture/3D printing, or reduction manufacture/milling insoles from a digital scan?

Response % (number of replies)
Yes 70.5% (91/129)
No 19.4% (25/129)
No response 10.1% (13/129)

Question 2.5: What are the barriers for using computer aided manufacture for custom insoles in your Orthotic service?*

Response % (number of replies)
Response received 92% (23/25)
No response 8% (2/25)

*Only those who responded "No" to question 2.4 were required to answer. Therefore the total number of possible respondents is 25.

Question 2.6: Which methods are used to **manufacture** bespoke insoles in your Orthotic service?*

Response % (number of replies)
Response received 94.5% (86/91)
No response 5.5% (5/91)

* Only those who responded "Yes" to question 2.4 were required to answer the remaining questions. Therefore the total number of possible respondents is 91.

Questions 2.7 to 2.12: In your Orthotic service, what **percentage** of insoles were made using

2.7 In-house Traditional Manufacture. Response % (number of replies)	2.8 In-house Computer Aided Manufacture with Reduction Manufacture. Response % (number of replies)	2.9 In-house Computer Aided Manufacture with Additive Manufacture. Response % (number of replies)	2.10 Outsourced Traditional Manufacture. Response % (number of replies)	2.11. Outsourced Computer Aided Manufacture with Reduction Manufacture. Response % (number of replies)	2.12. Outsourced Computer Aided Manufacture with Additive Manufacture. Response % (number of replies)
Response received 86.8% (79/91)	Response received 86.8% (79/91)	Response received 86.8% (79/91)	Response received 79.1% (72/91)	Response received 79.1% (72/91)	Response received 84.6% (77/91)
No response 13.2% (12/91)	No response 13.2% (12/91)	No response 13.2% (12/91)	No response 20.9% (19/91)	No response 20.9% (19/91)	No response 15.4% (14/91)

Question 3.1: How long has your Orthotic service provided bespoke insoles to patients, which were produced using computer aided manufacture processes?

Response % (number of replies)
Response received 85.7% (78/91)
No response 14.2% (13/91)

Question 3.2: Does your Orthotic service ever use foam box impression casts to capture the shape of the patient's foot, when prescribing CAD/CAM insoles?

Response % (number of replies)
Yes 95.6% (87/91)
No 1.1% (1/91)
No response 3.3% (3/91)

Question 3.3: Is the negative foam box impression cast **usually** scanned into the CAD/CAM system, or is it filled with plaster first and then the positive model scanned?*

Response % (number of replies)
Response received 100.0% (87/87)
No response 0.0% (0/87)

* Only those who responded "Yes" to question 3.2 were required to answer this question. Therefore the total number of possible respondents is 87.

Question 3.4: Are the foam box impression casts usually transported to another site to be scanned into the CAD/CAM system?

Response % (number of replies)
Response received 100.0% (87/87)
No response 0.0% (0/87)

* Only those who responded "Yes" to question 3.2 were required to answer this question. Therefore the total number of possible respondents is 87.

Question 3.5: Does your Orthotic service ever use slipper casts / plaster casts to capture the shape of the patient's foot, when prescribing CAD/CAM insoles?

Response % (number of replies)
Yes 58.2% (53/91)
No 38.5% (35/91)
No response 3.3% (3/91)

Question 3.6: Are the slipper casts / plaster casts usually transported to another site to be filled with plaster and scanned into the CAD/CAM system?

Response % (number of replies)
Response received 100.0% (53/53)
No response 0.0% (0/53)

* Only those who responded "Yes" to question 3.5 were required to answer this question. Therefore the total number of possible respondents is 53.

Question 3.7: In your Orthotic service, which is the **most common method** used to capture the shape of the patient's foot, when prescribing CAD/CAM insoles

Response % (number of replies)
Response received 97.8% (89/91)
No response 2.2% (2/91)

Question 3.8: Who is **usually** responsible for performing the modelling/rectification of the CAD/CAM insoles that your Orthotic service provide?

Response % (number of replies)
Response received 97.8% (89/91)
No response 2.2% (2/91)

Question 3.9: In your Orthotic service, what are the reasons for using CAD/CAM insoles?

Response % (number of replies)
Response received 86.8% (79/91)
No response 13.2% (12/91)