

# Patrick Grossmann

B.D.S.(Lond) L.D.S. R.C.S. (Eng) D.ORTH R.C.S. (Eng)

Specialist Orthodontist  
with interest in & treatment of  
Temporomandibular Disorders



# Research Study

**Early orthodontic/dentofacial orthopaedic treatment**

**A comparative study**

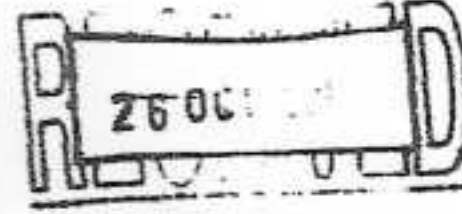
**Dr. Patrick Grossmann D.Orth.R.C.S. (Eng)**

**Nora Donaldson - Medical Statistician, King's College**

**A comparison of the views of orthodontists in the UK with their colleagues worldwide**

**Benefits of early mixed dentition treatment**

- a more stable long-term result
- a shorter second phase of treatment
- minimise the need for orthognathic surgery
- minimise the need for removal of healthy permeant teeth



195 Longhurst Lane  
Mellor  
Stockport  
SK6 5PN  
21/10/05

Dear GDC

I am writing to complain about the website of Mr Patrick Grassmann ([www.patrickgrassmann.co.uk](http://www.patrickgrassmann.co.uk))

On his website he describes himself as a specialist in  
Dentoalveolar orthodontics - no such speciality exists.

He also advocates the treatment of young children not  
the ages of 5-10 to 10-12 to achieve the following  
benefits

- creating a more stable long term result
- shortening a second phase of treatment
- minimise the need for future jaw surgery
- minimising the removal of permanent teeth.

There is no evidence to support these claims, although  
much evidence has been published to refute them.

I believe his website to be misleading and as such  
should not be used to inform the general public.

Best wishes

# Research Study

## **Materials and methods :**

A questionnaire was sent to all major dental institutions in Europe, USA, Canada and the UK.

- Q1 what percentage of patients are treated in the mixed dentition
- Q2 does early treatment reduce treatment time with fixed appliances
- Q3 is early treatment more likely to give a stable result than treatment carried out later

# Research Study

## Materials and methods :

A questionnaire was sent to all major dental institutions in Europe, USA, Canada and the UK.

- Q4 what percentage of patients undergo orthopaedic treatment for class II/III malocclusions
- Q5a does early treatment create more stable long-term results?
- Q5b does early shorten/improve the results of second phase treatment?

# Research Study

## Materials and methods :

A questionnaire was sent to all major dental institutions in Europe, USA, Canada and the UK.

Q5c does early treatment minimise the need for future surgery?

Q5d does early treatment minimise the need for the removal of healthy permanent teeth?

## RESULTS

Questionnaires received from 50 universities and 38 UK orthodontic specialists

Europe 35

UK 3

USA 7

Canada 3

Lebanon 1

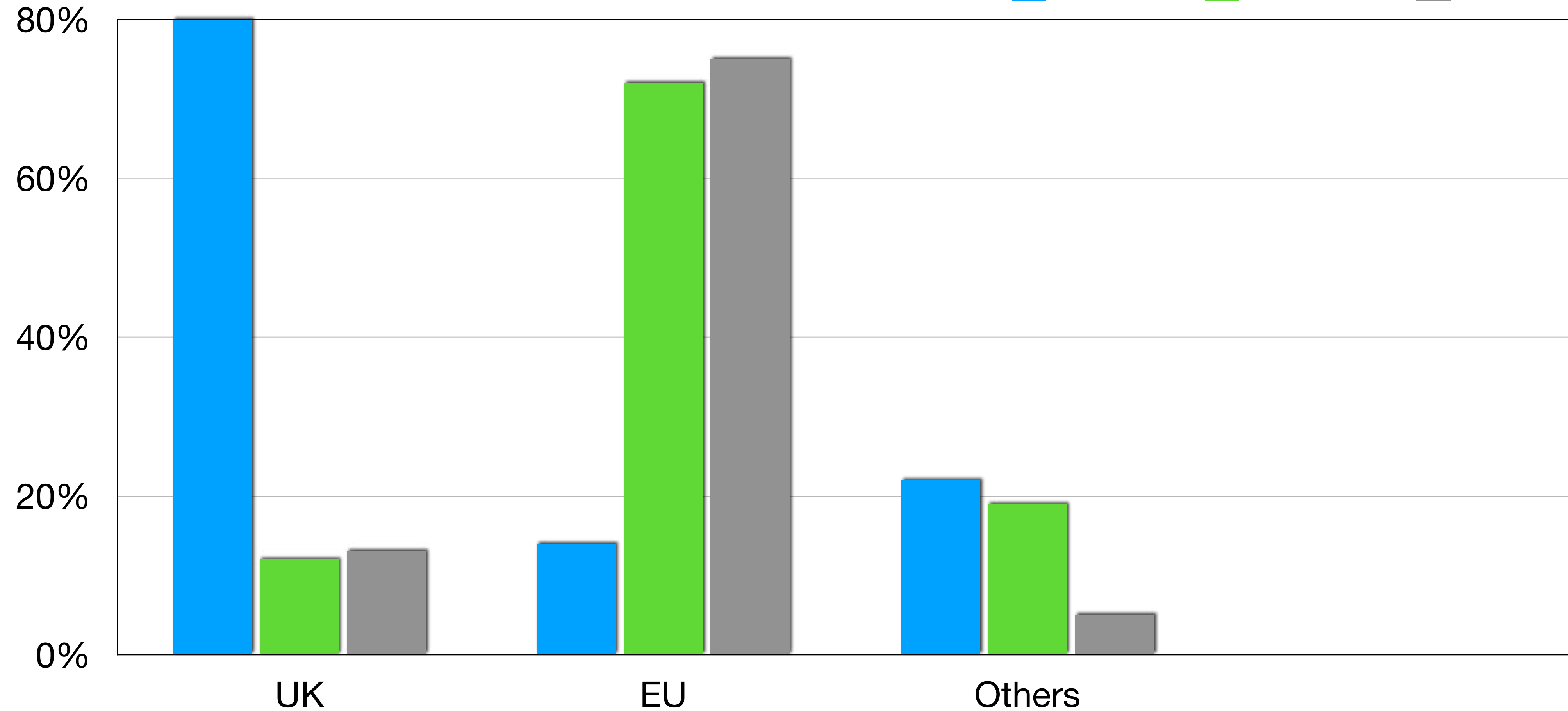
Malta 1

# Research Study

Figure 1. Q1 With regions

Q1. What % of patients does your department treat in the mixed dentition?

0-20% 20-40% 40% +

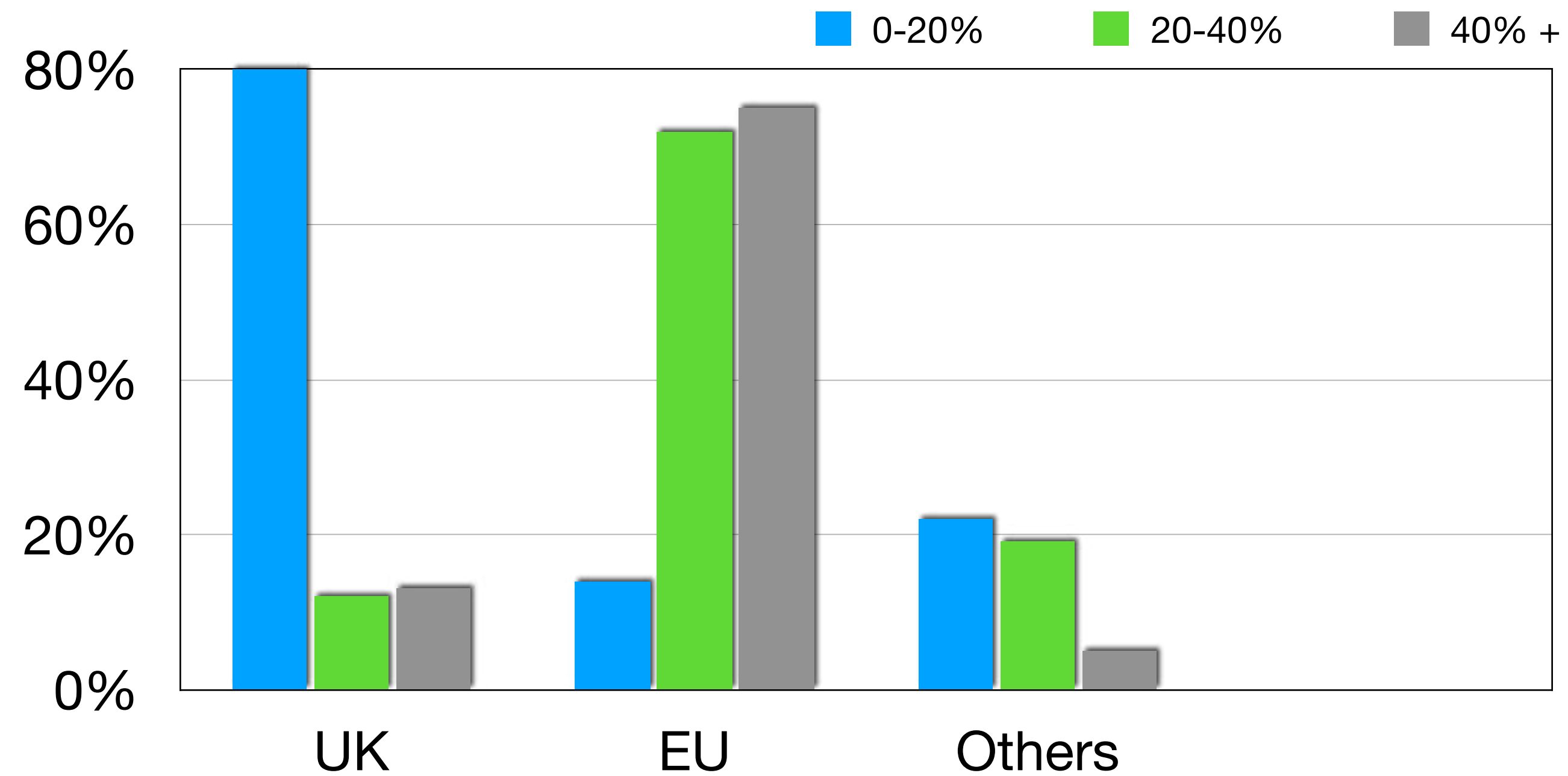




# Research Study

Fig 1. Q1 With regions

Q1. What % of patients does your department treat in the mixed dentition?



## OBJECTIVE

To assess differences in practice and perceptions of early treatment by country.

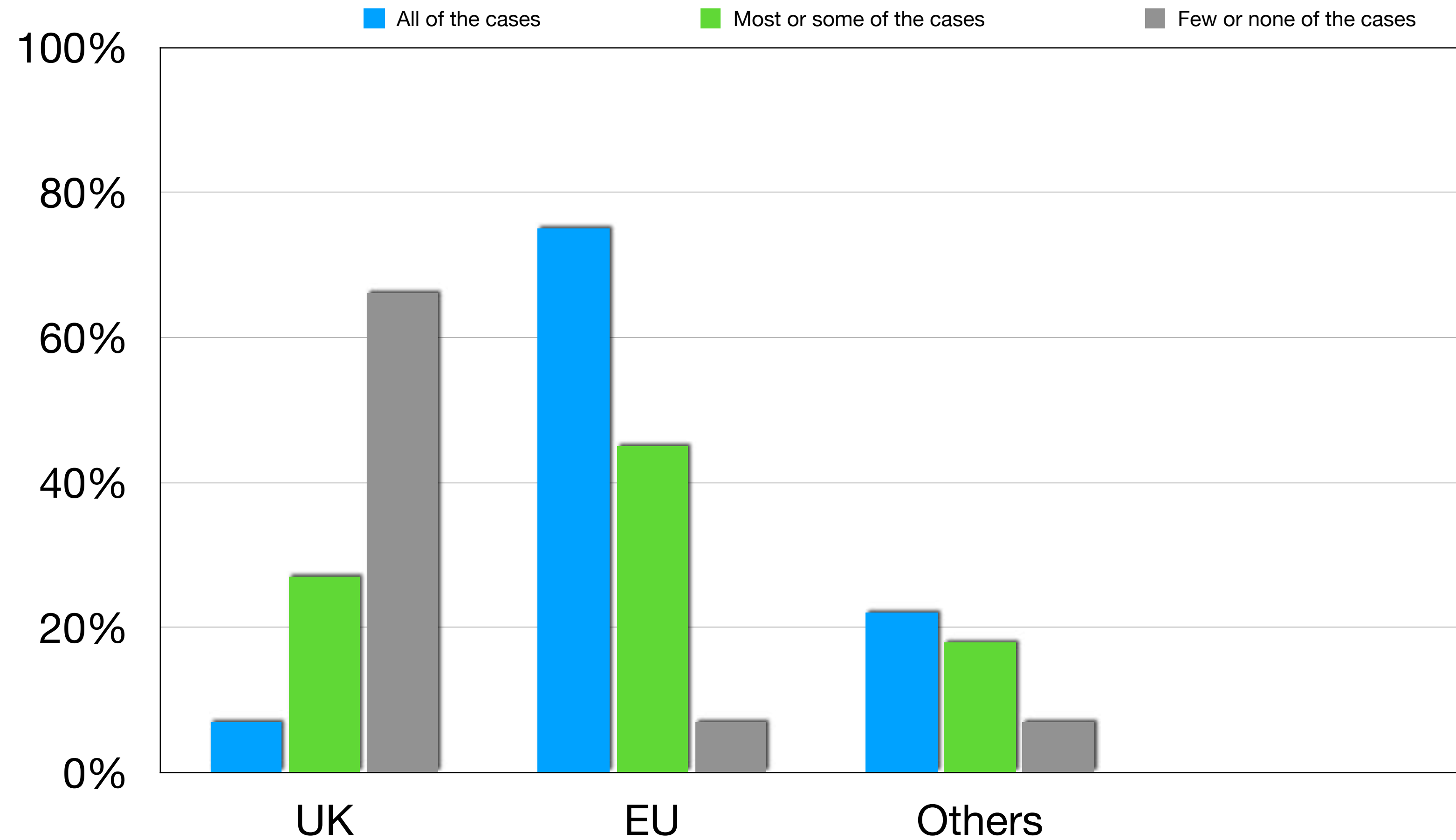
The percentage of orthodontists who report “Early Orthodontic Treatment is Beneficial” is substantially higher in the EU and other countries than in the UK



# Research Study

Fig2. Q2 - With regions

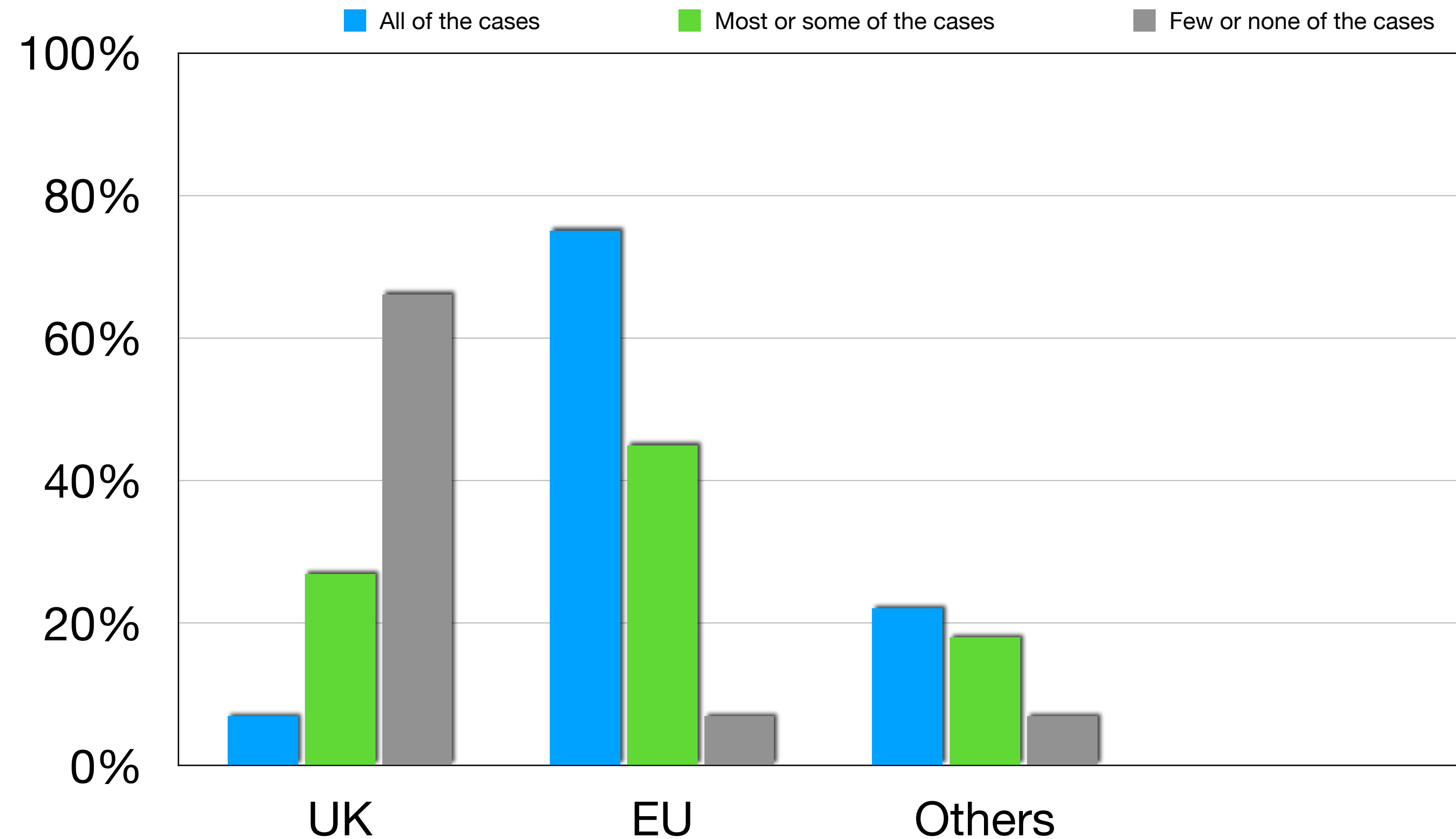
Q2. Early treatment reduces the time with fixed appliances later



# Research Study

Fig2. Q2 - With regions

Q2. Early treatment reduces the time with fixed appliances later



**“Reducing treatment time with fixed appliances later”**

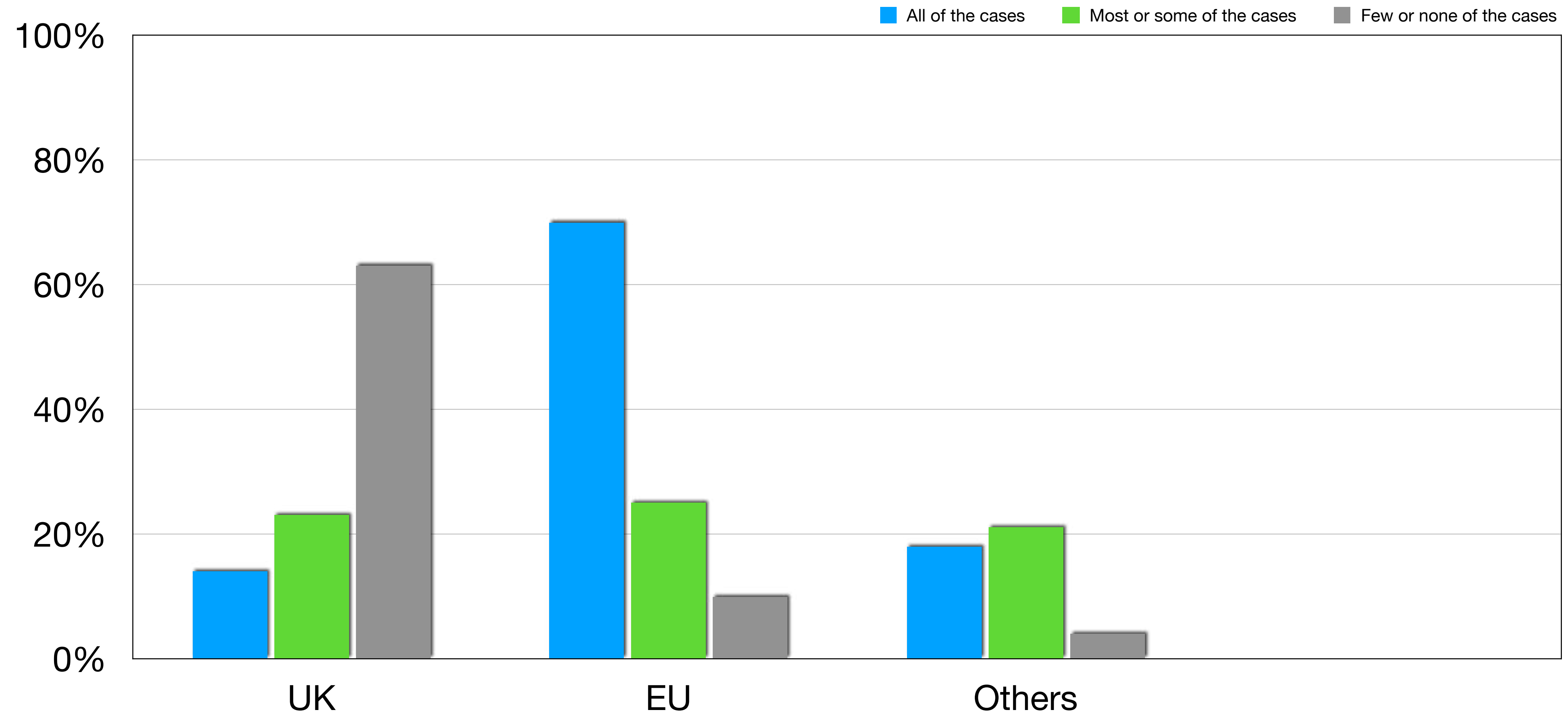
The percentage of orthodontists who report that few cases benefit was 66% for the UK and only 4% for the EU and 13% elsewhere.

These differences are statistically significant.

# Research Study

Figure 3. Q3 With regions

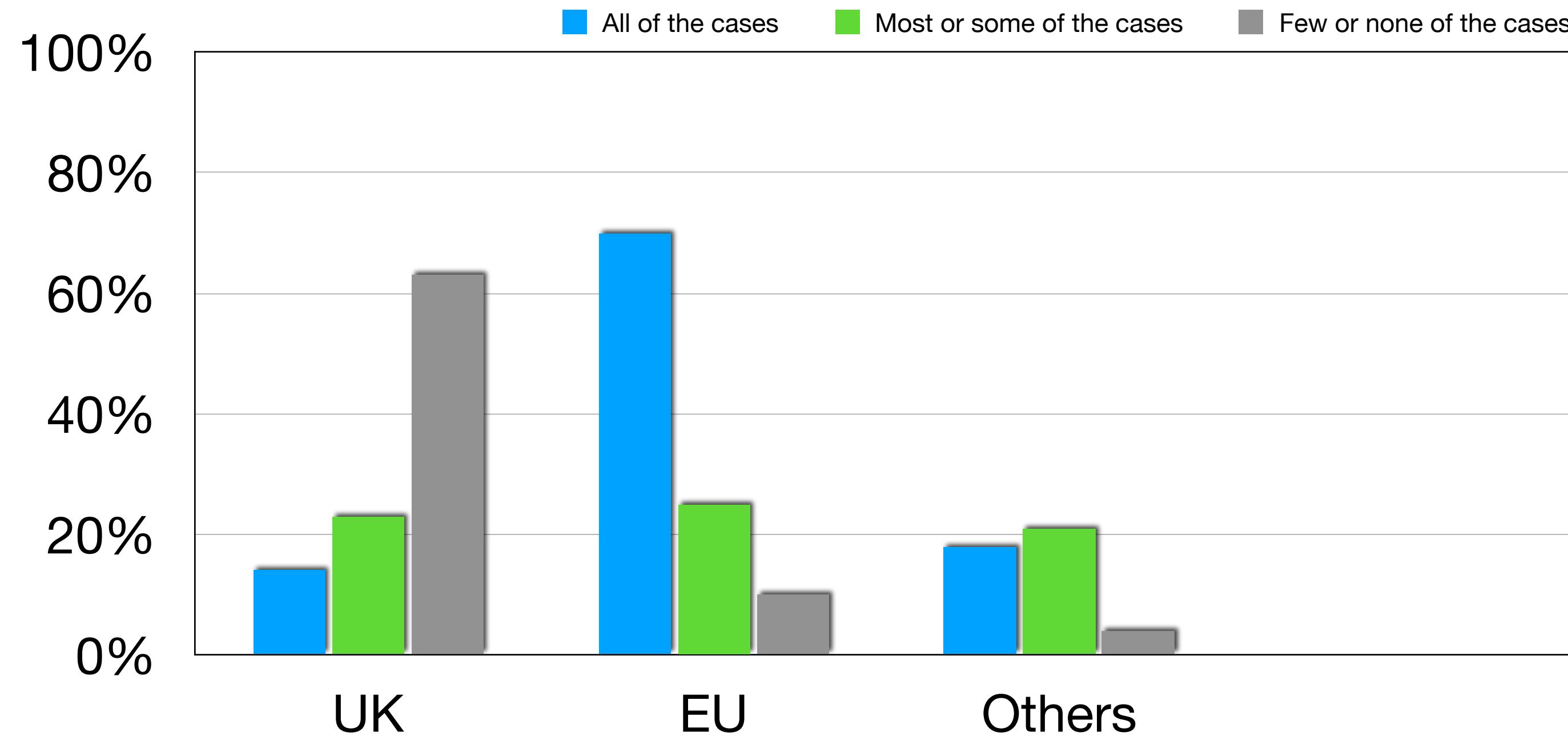
Q3.Early treatment (by correcting skeletal problems, mouth breathing etc) is more likely to give a stable result than treatment carried



# Research Study

Fig 3. Q3 With regions

Q3.Early treatment (by correcting skeletal problems, mouth breathing etc) is more likely to give a stable result than treatment carried



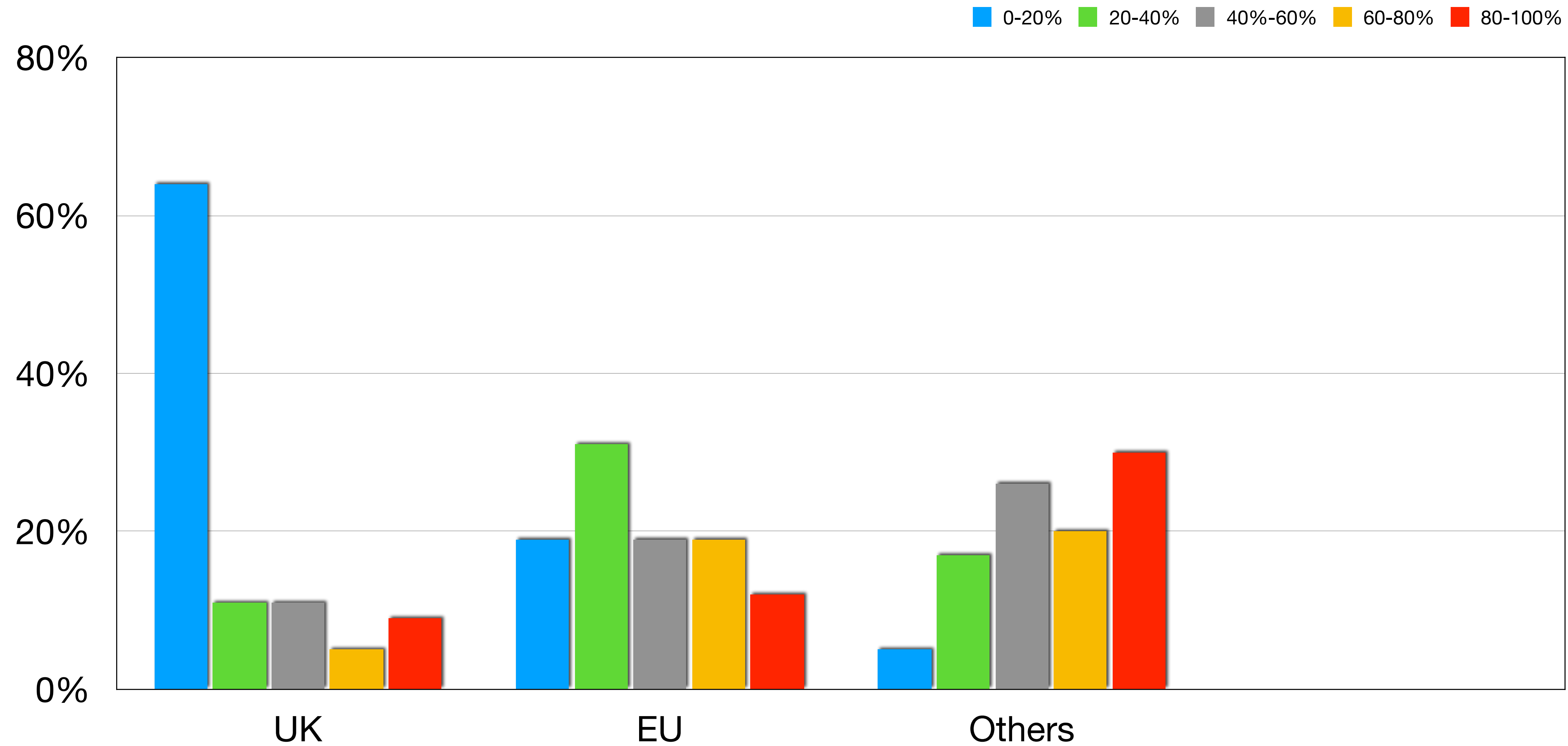
“Early treatment is more likely to give a stable result than treatment carried out later”

The percentage of orthodontists who report that few or no cases benefit was 63% for the UK, 7% for EU and 6% other countries. Again, statistically significant.

# Research Study

Figure 1. Q4 With regions

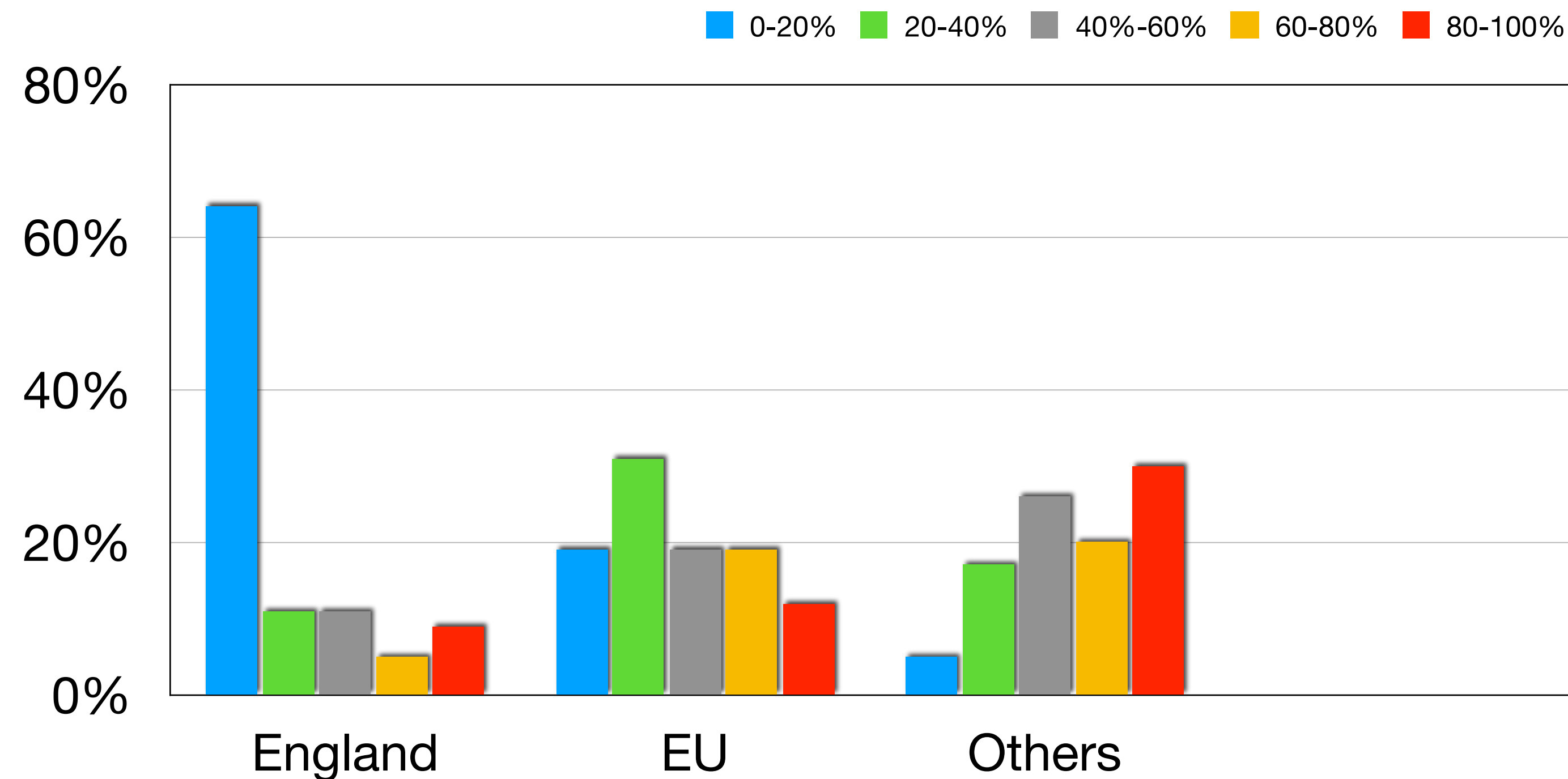
Q4. What % of patients undergo dento-facial orthopaedic treatment?



# Research Study

Fig. 4. Q4 With regions

Q4. What % of patients undergo dentofacial orthopaedic treatment?



64% of UK orthodontists treat less than 20% of patients with Dento-facial Orthopaedics

19% of EU orthodontists treat less than 20% of patients with DFO

12% of other countries treat less than 20% of patients with DFO

# Research Study

## Materials and methods :

A questionnaire was sent to all major dental institutions in Europe, USA, Canada and the UK.

Q5a “Early orthodontic treatment is more likely to give a stable long-term result”

The percentage of orthodontists who reported this to be the case was 46% UK, 86% EU, 67% others

Q5b “Early orthodontic treatment shortens/ improves the result of the second phase of treatment”

The percentage of orthodontists who reported this to be the case was 44% UK, 79% EU , 69% others



# Research Study

## Materials and methods :

A questionnaire was sent to all major dental institutions in Europe, USA, Canada and the UK.

### Q5c “Early orthodontic treatment minimises future surgery”

Percentage of orthodontists who reported this to be true was 41% for the UK, 86% for the EU, 76% others. Statistically significant.

### Q5d “Early orthodontic treatment minimises removal of healthy permanent teeth”

Percentage of orthodontists who reported this to be true was 35% for the UK, 79% for EU, 75% for others. Again statistically significant



BRITISH ORTHODONTIC SOCIETY

Registered Charity No. 1073464

31 Woodstock Rd  
Redland  
Bristol BS6 7EW  
24<sup>th</sup> July 2006

Dear Mr Grossman

Thank you for your letter which was forwarded to us by Ken Lumsden, our British Orthodontic Society president. You request that we publish guidelines on "Early orthodontic treatment."

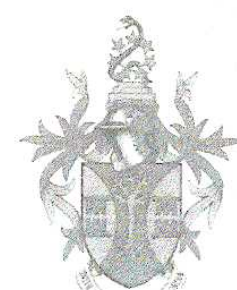
The BOS only issue guidelines based on sound published evidence. On the subject of "Early orthodontic treatment", there is as you say a range of evidence and opinion on the matter. So far, the evidence on early treatment from the few published randomised controlled trials, is not very encouraging.

You mention evidence from research undertaken in European Universities. This may have been overlooked by the English speaking orthodontic community, because of the language problem. If there is material we should be aware of, perhaps you could bring the translated version to our attention.

Alternatively, if you felt strongly about the subject this would be an excellent opportunity to review the literature and submit to the Journal of Orthodontics. Thank you for writing.

Yours sincerely

Iain Hathorn  
Chairman of the British Orthodontic Society



Principal Address and Registered Office: 12 Bridewell Place, London EC4V 6AP  
Telephone: 020 7353 8680 Fax: 020 7353 8682  
Email: [ann.wright@bos.org.uk](mailto:ann.wright@bos.org.uk) website: [www.bos.org.uk](http://www.bos.org.uk)



Dear Mr Grossman

Thank you for your letter which was forwarded to us by Ken Lumsden, our British Orthodontic Society president. You request that we publish guidelines on “Early orthodontic treatment.”

The BOS only issue guidelines based on sound published evidence. On the subject of “Early orthodontic treatment”, there is as you say a range of evidence and opinion on the matter. So far, the evidence on early treatment from the few published randomised controlled trials, is not very encouraging.

You mention evidence from research undertaken in European Universities. This may have been overlooked by the English speaking orthodontic community, because of the language problem. If there is material we should be aware of, perhaps you could bring the translated version to our attention.

Alternatively, if you felt strongly about the subject this would be an excellent opportunity to review the literature and submit to the Journal of Orthodontics. Thank you for writing.



# Research Study

**Early orthodontic/dentofacial orthopaedic treatment**

**A comparative study**

**Dr. Patrick Grossmann D.Orth.R.C.S. (Eng)**

**Nora Donaldson - Medical Statistician, King's College**

**A comparison of the views of orthodontists in the UK with their colleagues worldwide**

**Benefits of early mixed dentition treatment**

- a more stable long-term result
- a shorter second phase of treatment
- minimise the need for orthognathic surgery
- minimise the need for removal of healthy permeant teeth