

WG Activities Report

11-12 April, 2014
Paris

WG Relation Between Dental Practitioner and Universities

FDI-European Regional Organization

Current project:

Evidence Based Dentistry
(EBD)

WG Relation Between Dental Practitioner and Universities

FDI-European Regional Organization

Presentation Scheme:

- 1. EBD survey in 5 pilot countries within the ERO-zone**
- 2. Dynamic 'model' list of EBD resources**
- 3. Content for NDAs' web – sites – specific EBD section**
- 4. Request from ERO Board - Close relationship between ERO and ADEE at the administrative level**

More and more emphasis is placed on **Evidence-Based Dentistry (EBD)** and its implementation to daily practice each day.

Individual dentists are likely to need more **support** –
regarding EBD
(especially in the field of implementation)

NDAs may be expected to play a more **supportive**
role
in increasing familiarity and knowledge and effective
implementation of EBD to dental practice

1- analyze attitudes and perceptions regarding EBD and implementation of EBD into daily practice
(+ expectations from NDAs)

2- develop a 'dynamic' model list of resources to assist and to support dentists in becoming more familiar (and keep up-to-date) with EBD and in its implementation to daily practice – with regular updates

3- encourage NDAs for specific sections in their
web-sites for EBD

*(+ provide supportive material for the initial
content)*

Survey

- 1- analyze attitudes and perceptions regarding EBD and implementation of EBD into daily practice
(+ expectations from NDAs)

If;

a- dentists are generally familiar with EBD

b- EBD is implemented into daily practice

c- it is taught and when it is taught

d- there are obstacles

to its effective implementation into practice

e. there is a perceived role in the field of EBD for the NDAs – as expressed by the individual dentists

Pilot

France – French Dental Association

Georgia – Georgian Dental Association

Portugal – Portuguese Dental Association

Slovakia – Slovakian Dental Association

Turkey- Turkish Dental Association

Thank you..

Pilot

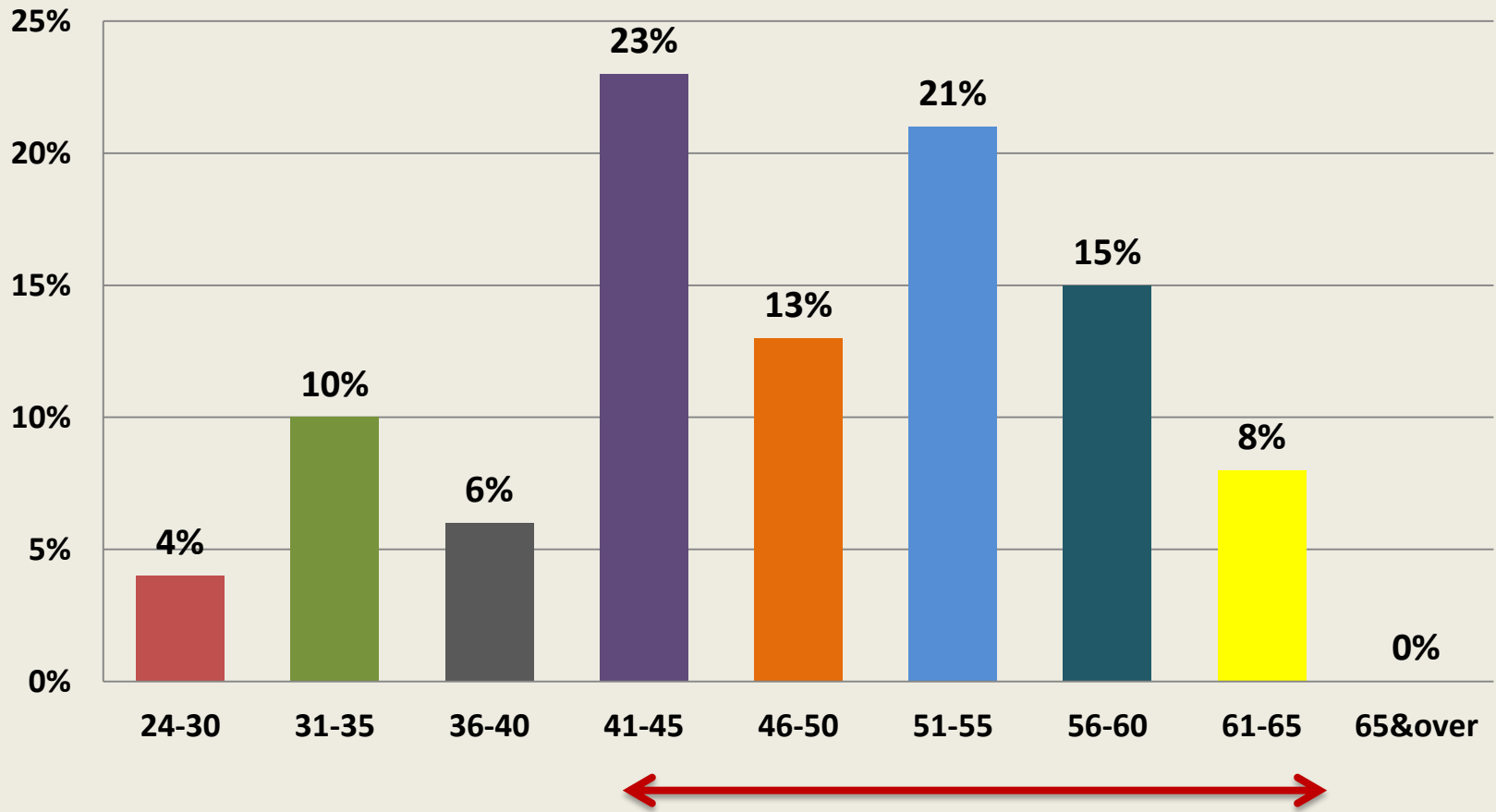
(n=705)

Brief results based on countries..
Statistical analysis will follow.. *(New Delhi)*

FRANCE

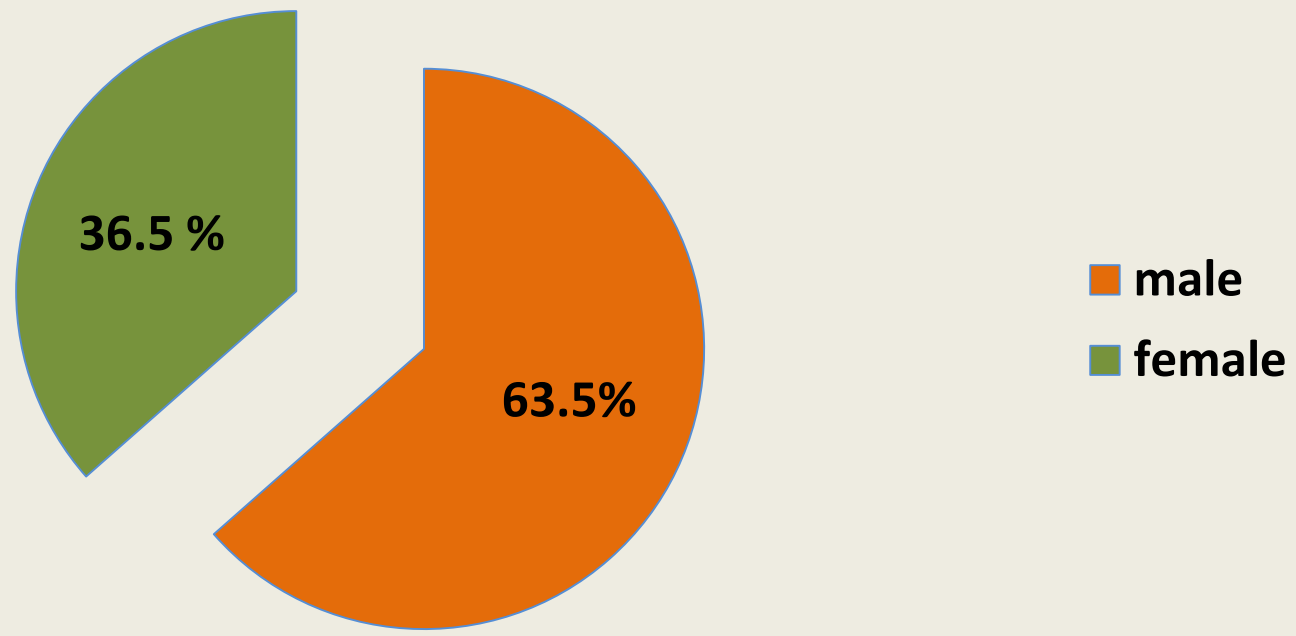
Publish Date :6.December.2013/6.January 2014
Turnout : 52 Participants

Age



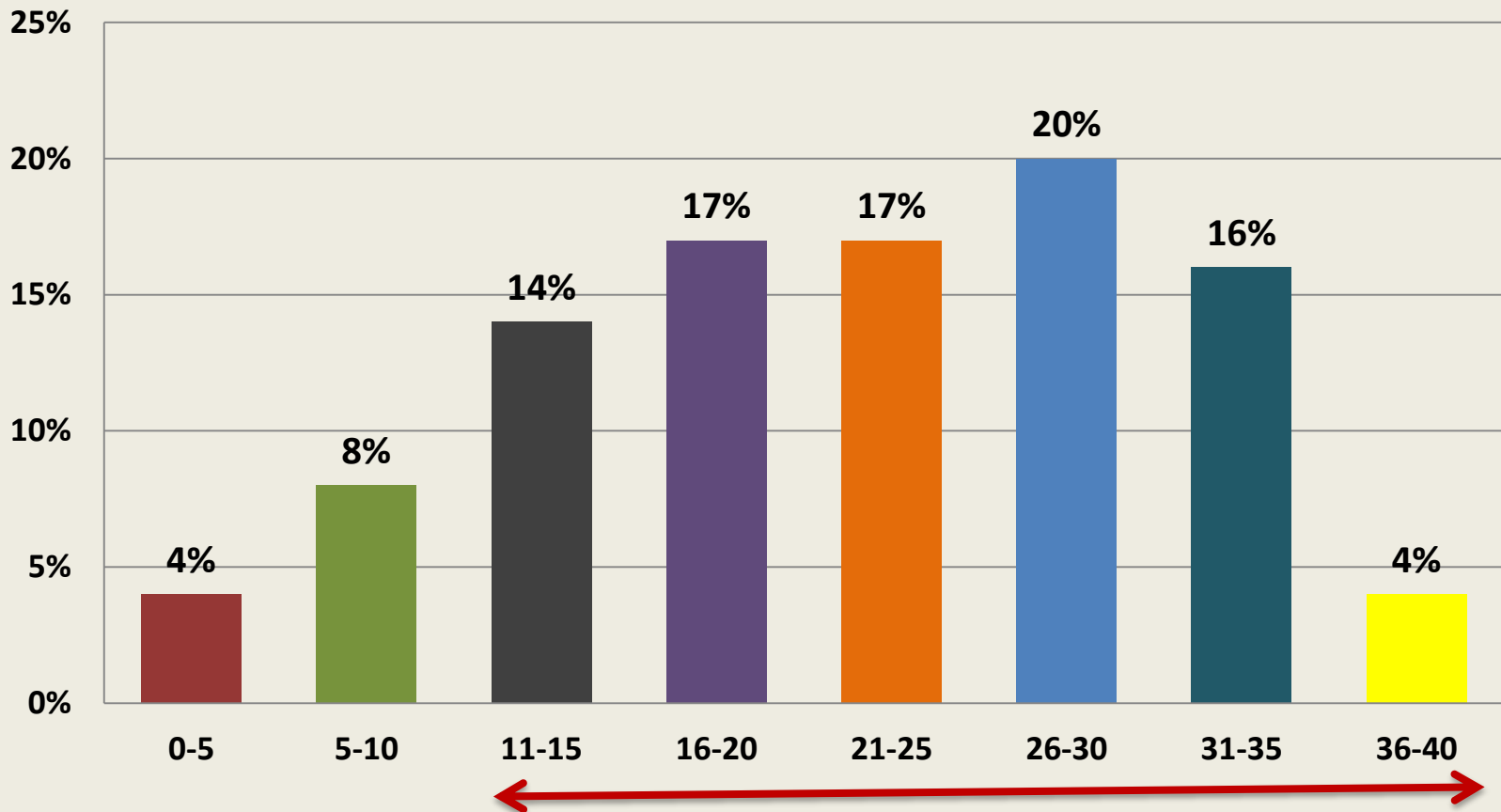
Response rate: 100%

Gender



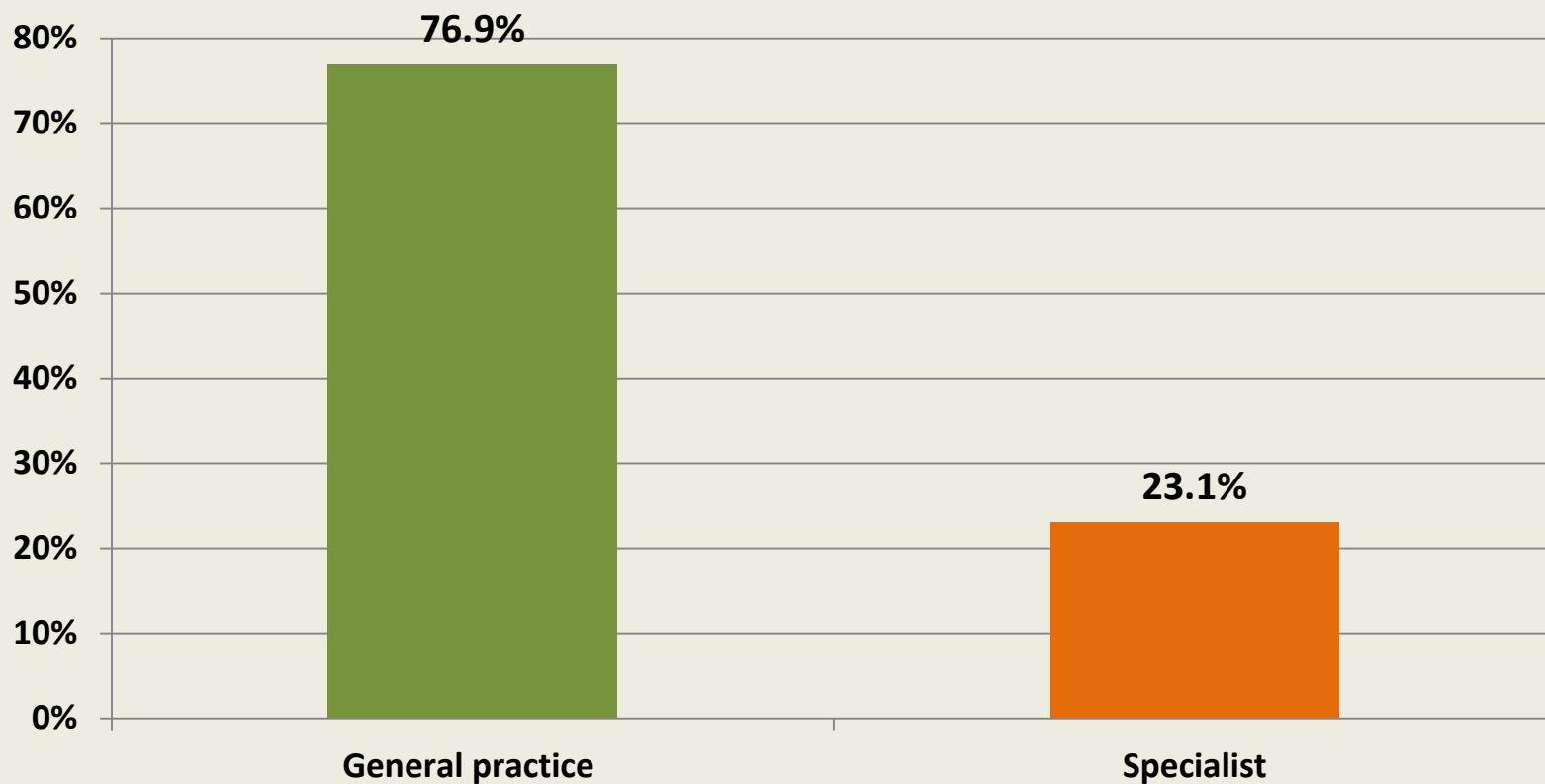
Response rate: 98.1%

Years in practice



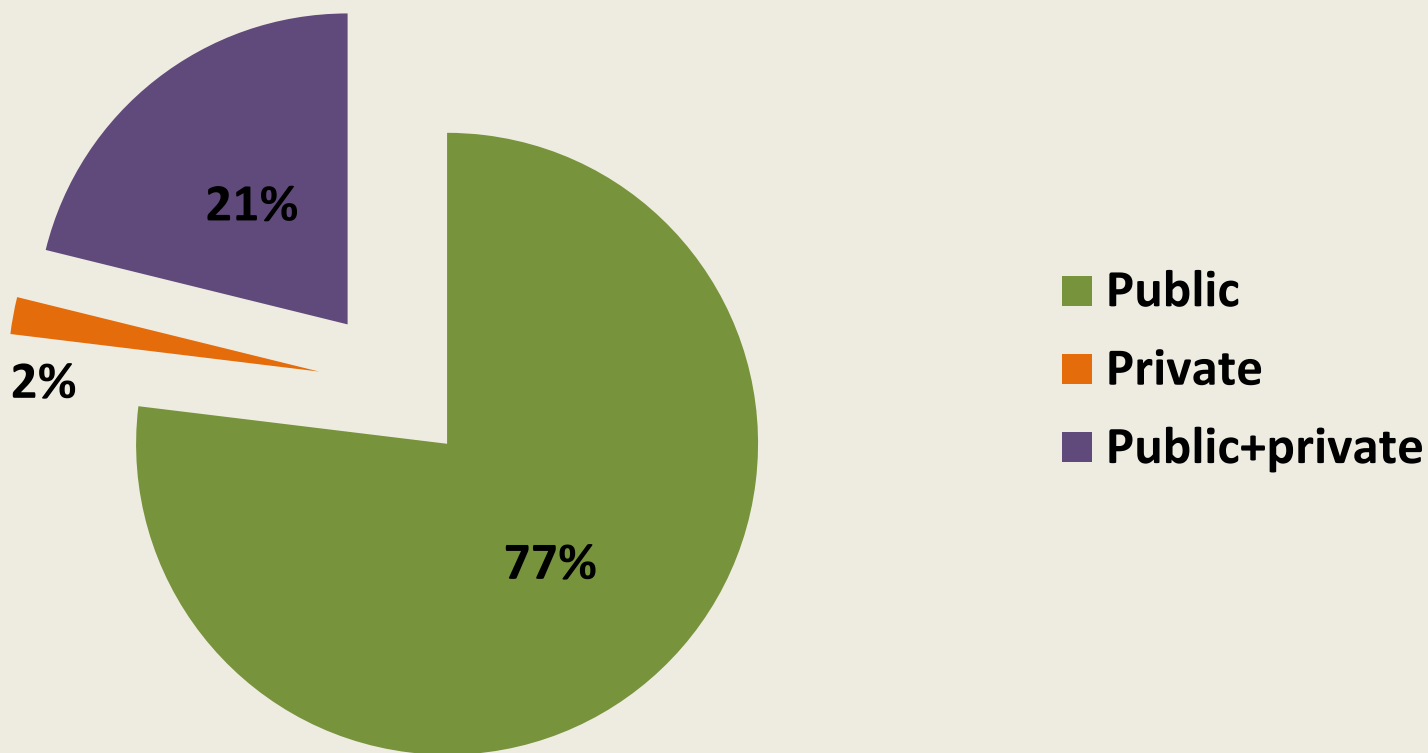
Response rate: 100%

Mode of practice



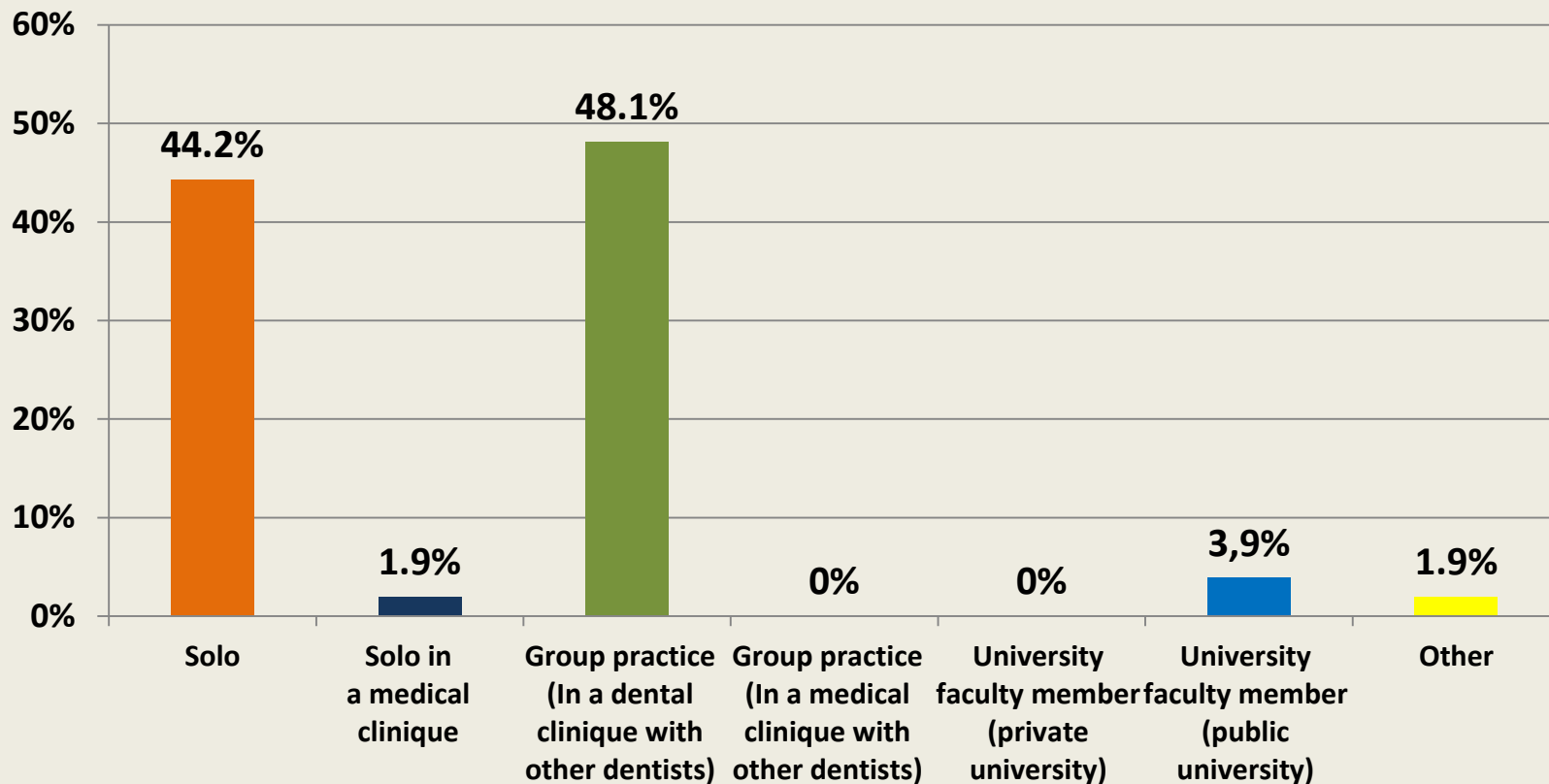
Response rate: 100%

Mode of practice



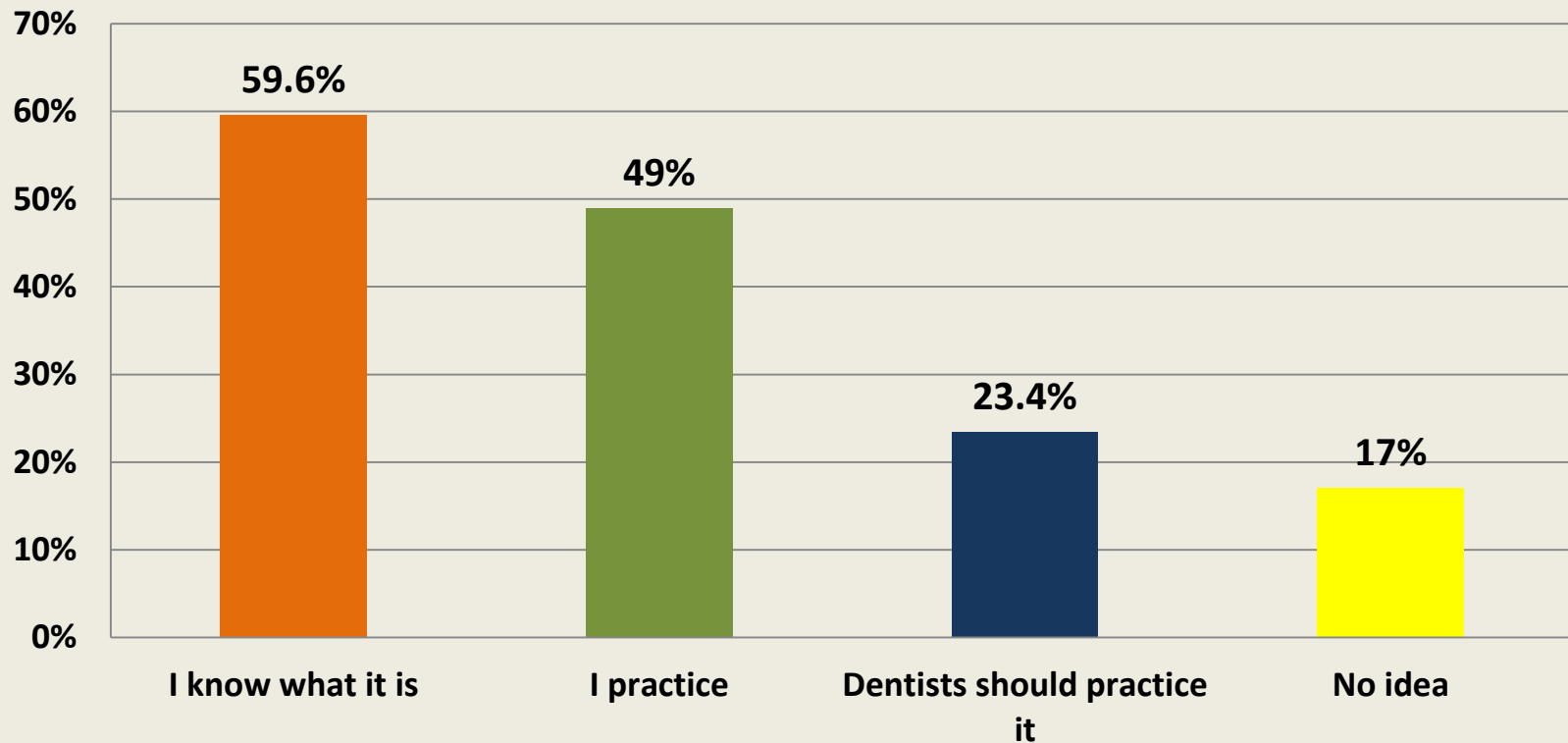
Response rate: 100%

Mode of practice



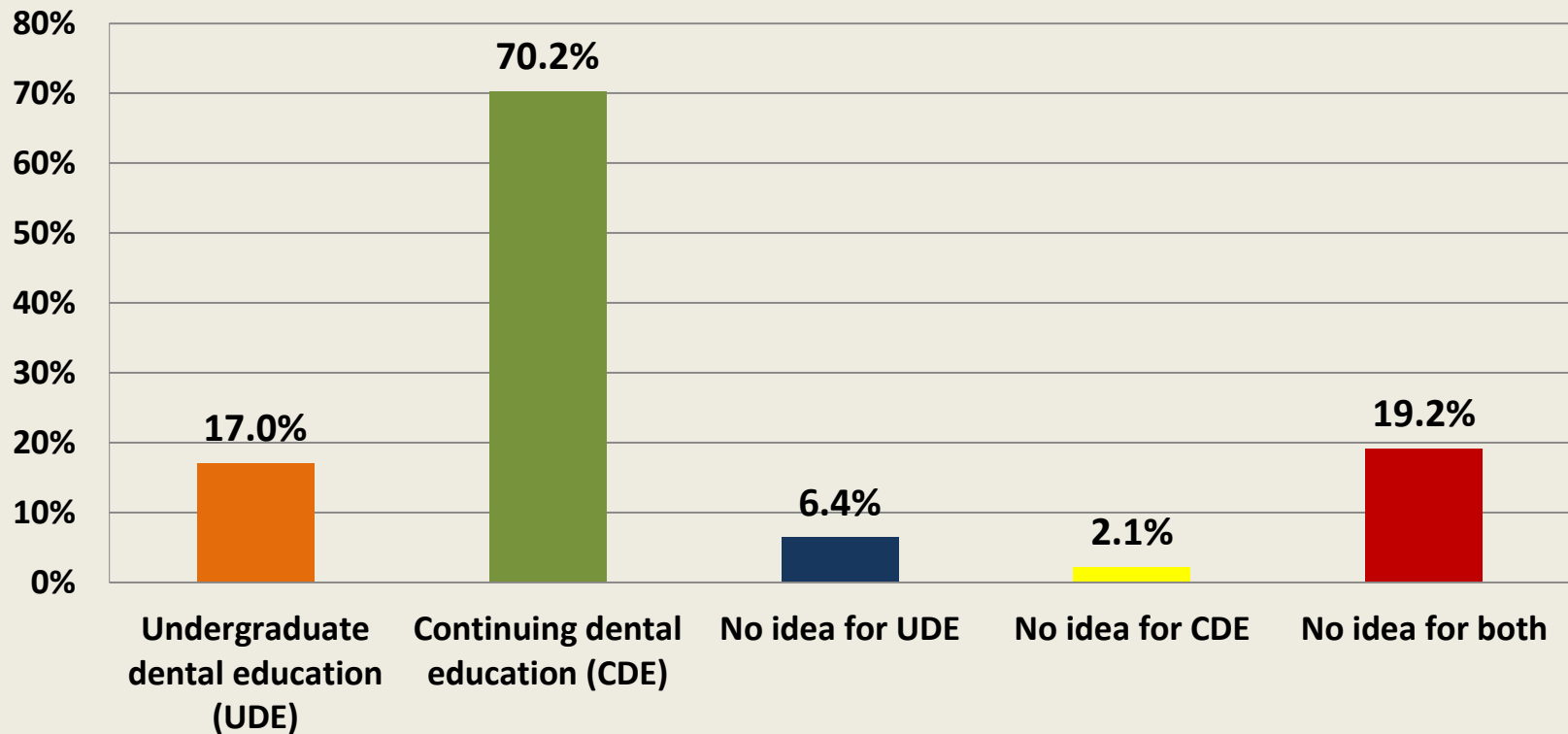
Response rate: 100%

About Evidence Based Dentistry



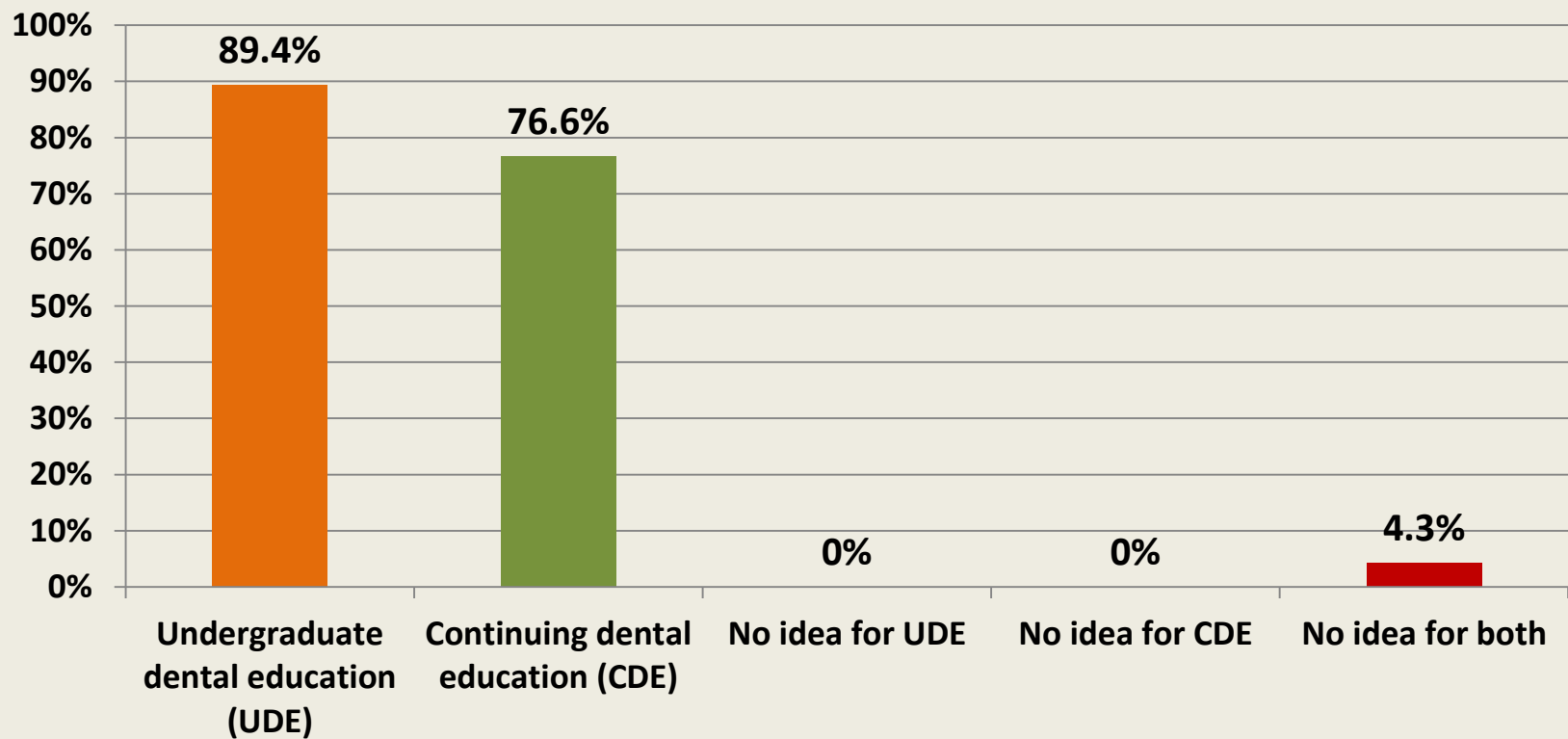
Response rate: 90.4%

Has Evidence Based Dentistry been taught to you in



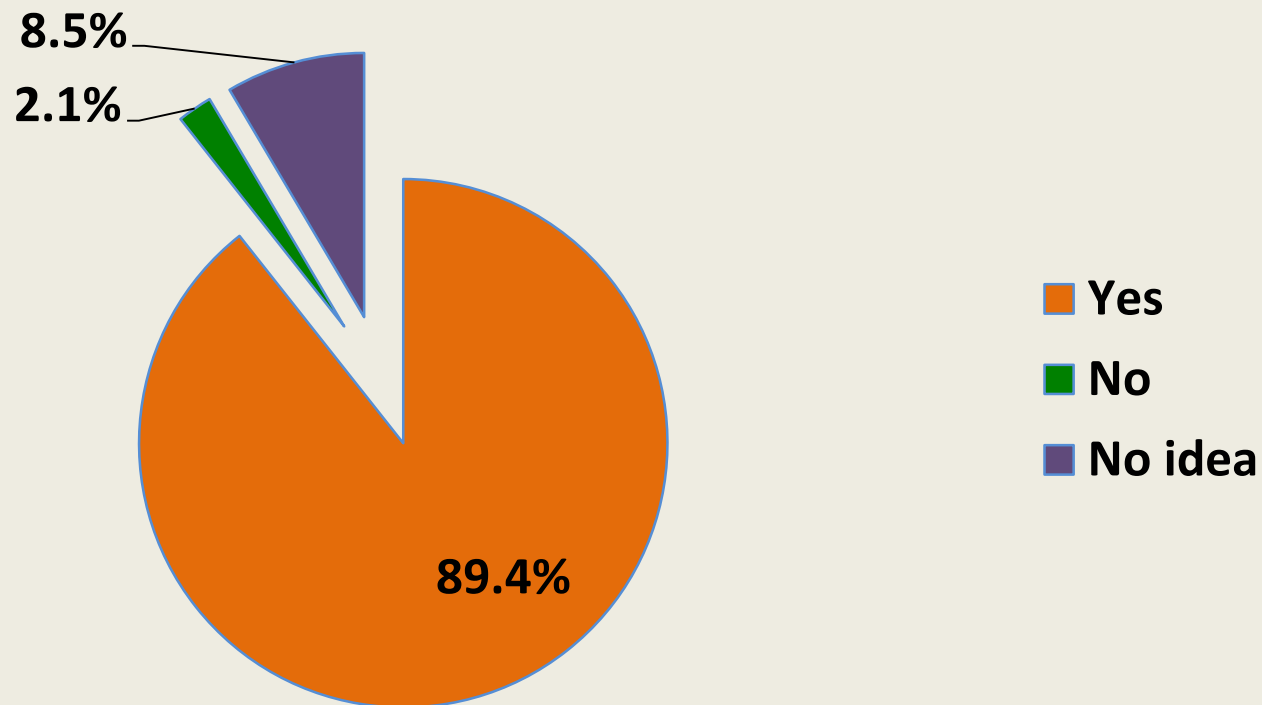
Response rate: 90.4%

Do you believe that Evidence Based Dentistry should be taught in



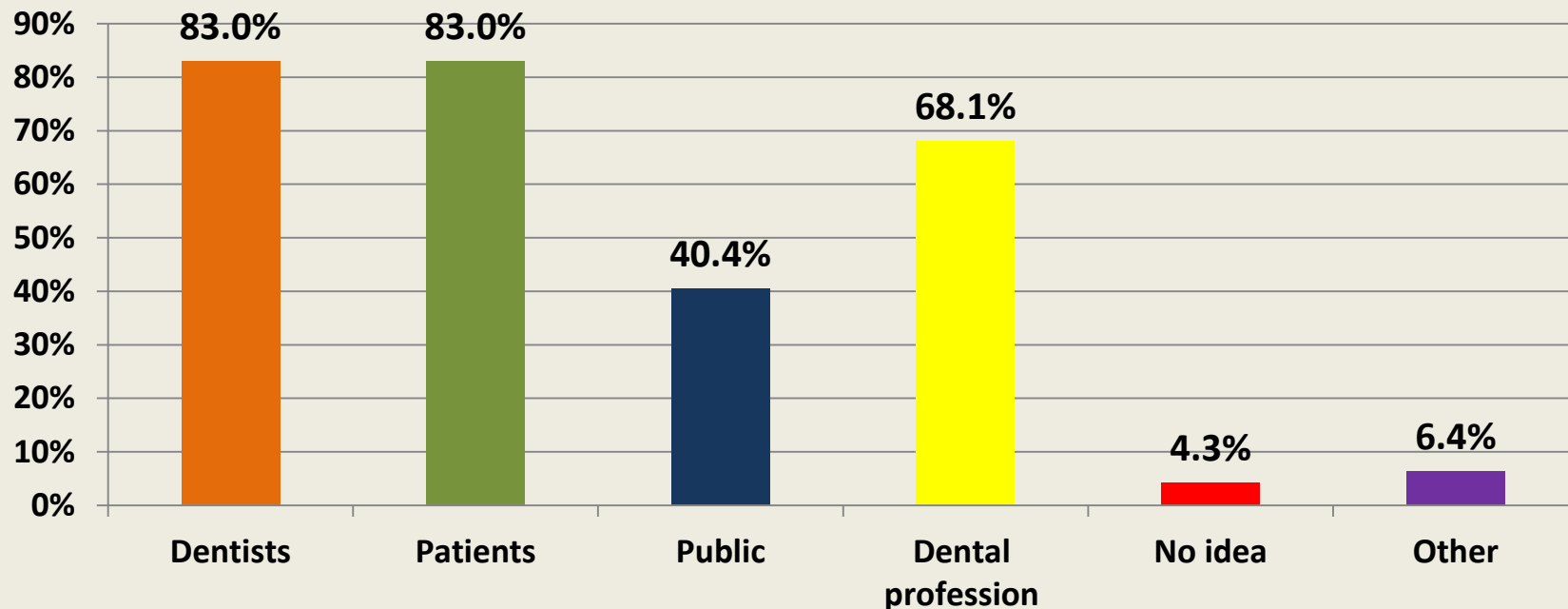
Response rate: 90.4%

Do you believe that generally Evidence Based Dentistry is beneficial?



Response rate: 90.4%

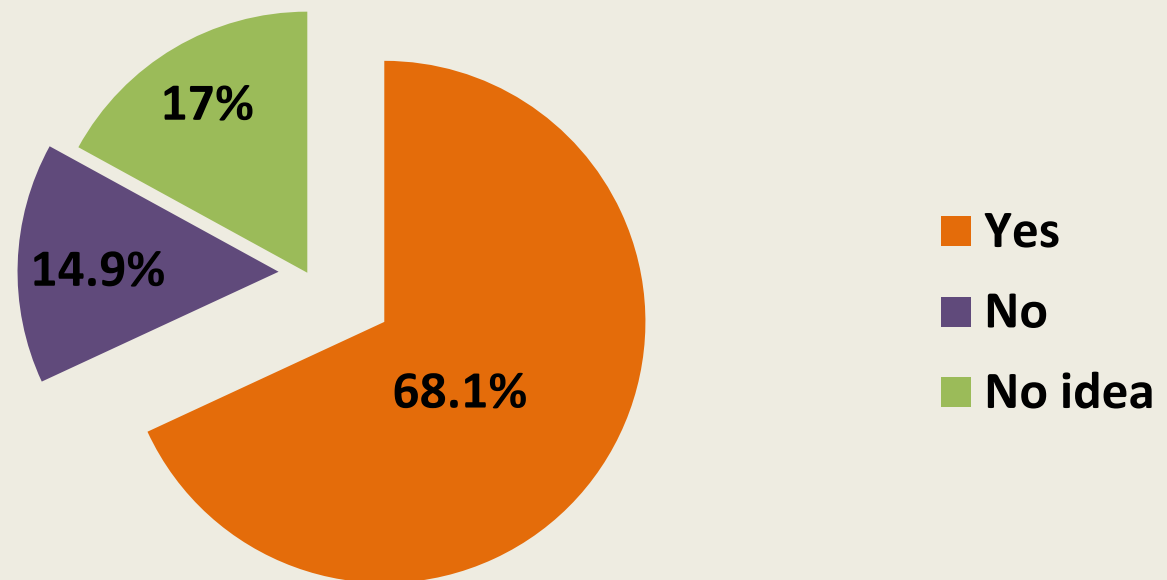
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice?



Others: Dentists and patients; patient, dentist and profession; all of them; insurer and advocates; dentists, patients, public and profession.

Response rate: 90.4%

Do you believe that dentists experience difficulties in implementing Evidence Based Dentistry into practice?



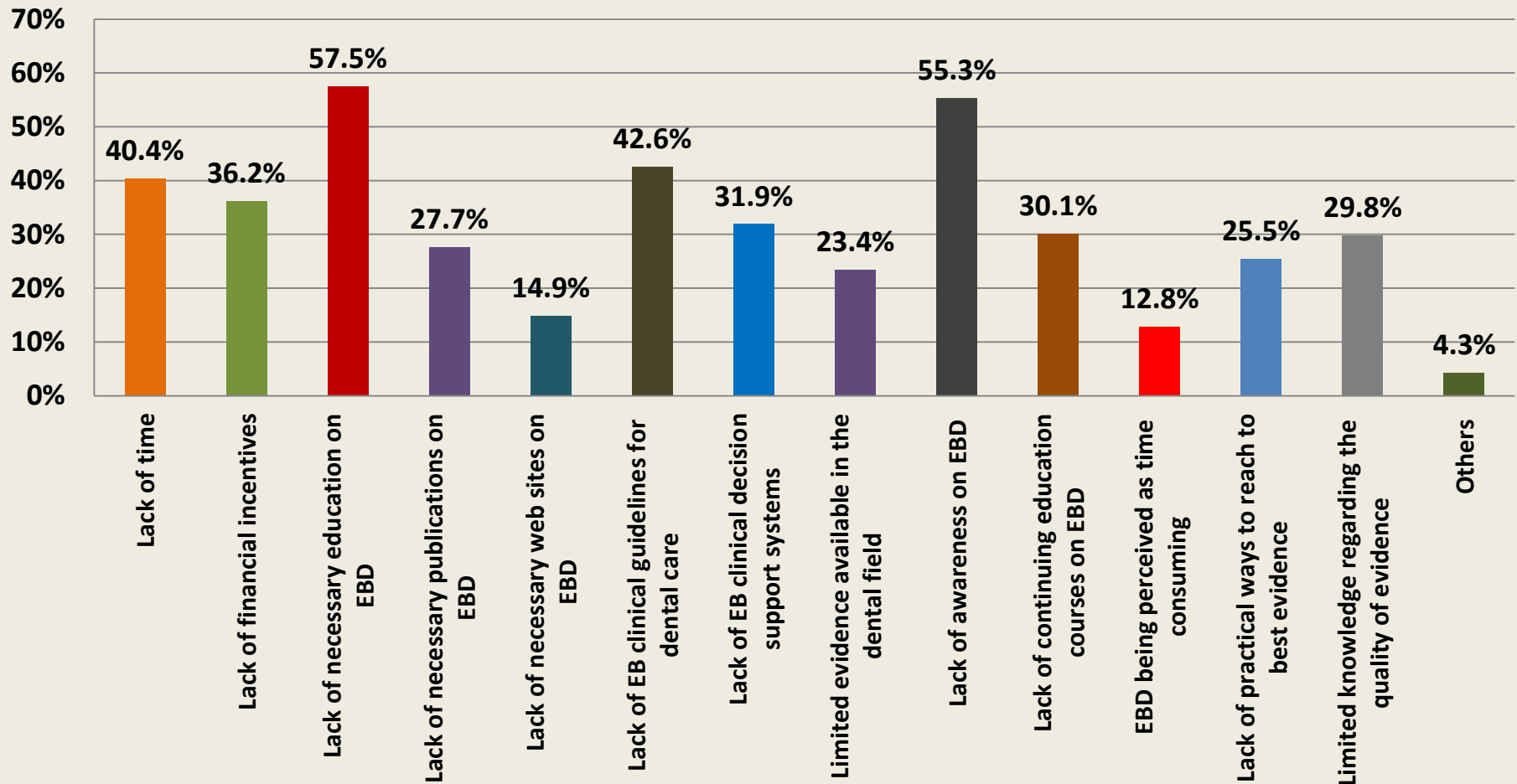
Response rate: 90.4%

If yes, what are the barriers to implementation of Evidence Based Dentistry into practice? (more than one option)

NO	RATE	ANSWERS
1	40.4%	Lack of time
2	36.2%	Lack of financial incentives
3	57.5%	Lack of necessary education on evidence based dentistry
4	27.7%	Lack of necessary publications on evidence based dentistry
5	14.9%	Lack of necessary web sites on evidence based dentistry
6	42.6%	Lack of evidence-based clinical guidelines for dental care
7	31.9%	Lack of evidence-based clinical decision support systems
8	23.4%	Limited evidence available in the dental field
9	55.3%	Lack of awareness on evidence based dentistry
10	30.1%	Lack of continuing education courses on evidence based dentistry
11	12.8%	Evidence based dentistry being perceived as time consuming
12	25.5%	Lack of practical ways to reach to best evidence
12	29.8%	Limited knowledge regarding the quality of evidence (appraisal of evidence)
14	4.3%	Others

Response rate: 90.4%

*If yes, what are the barriers to implementation of Evidence Based Dentistry into practice?
(more than one option)*



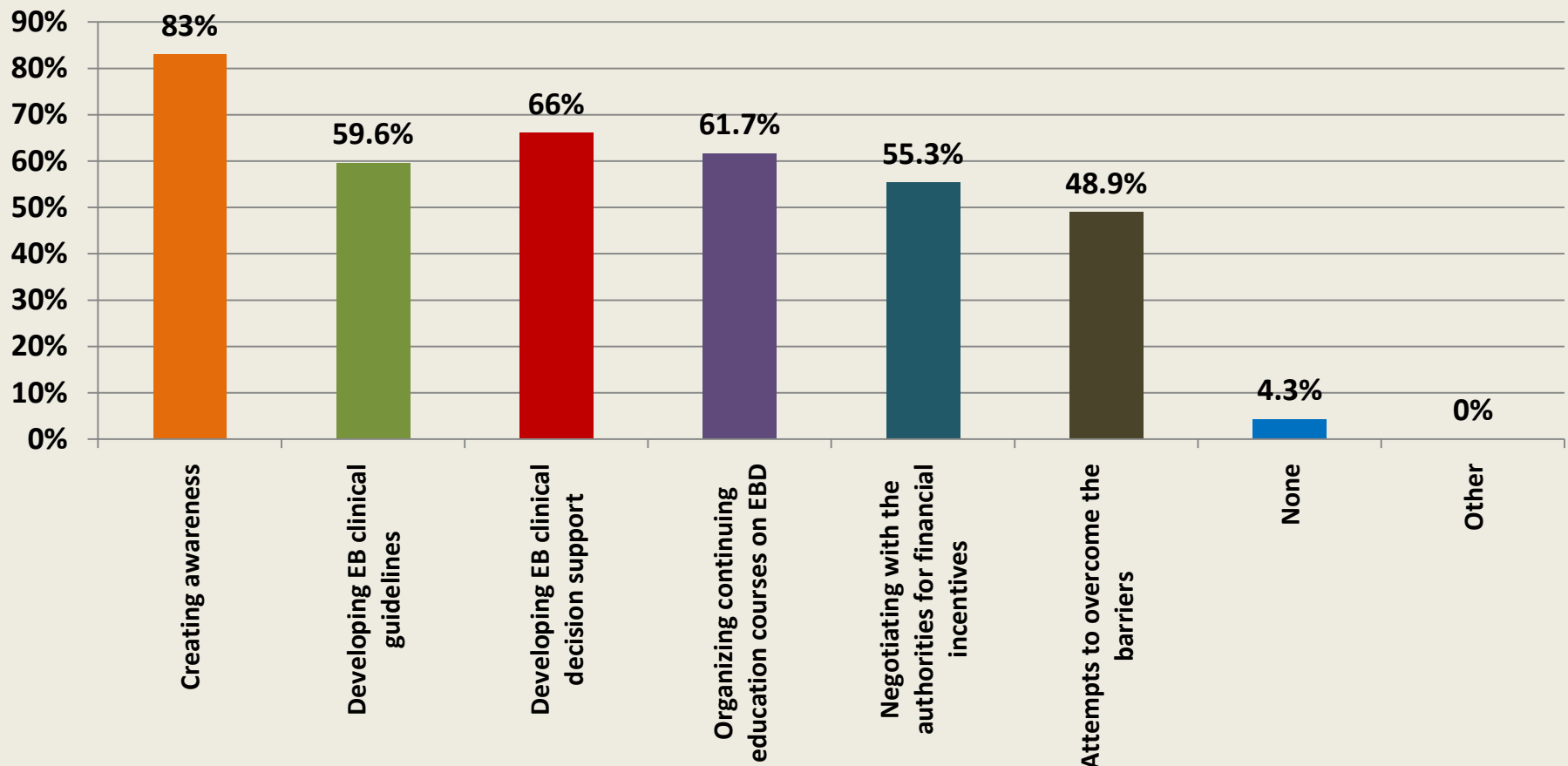
Response rate: 90.4%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)

NO	RATE	ANSWERS
1	83%	Creating awareness
2	59.6%	Developing evidence based clinical guidelines
3	66%	Developing evidence based clinical decision support systems
4	61.7%	Organizing continuing education courses on evidence based dentistry
5	55.3%	Negotiating with the authorities for financial incentives to foster implementation of evidence based dentistry into practice
6	48.9%	Attempts to overcome the barriers to implementation of evidence based dentistry into practice
7	4.3	None
8	0%	Other

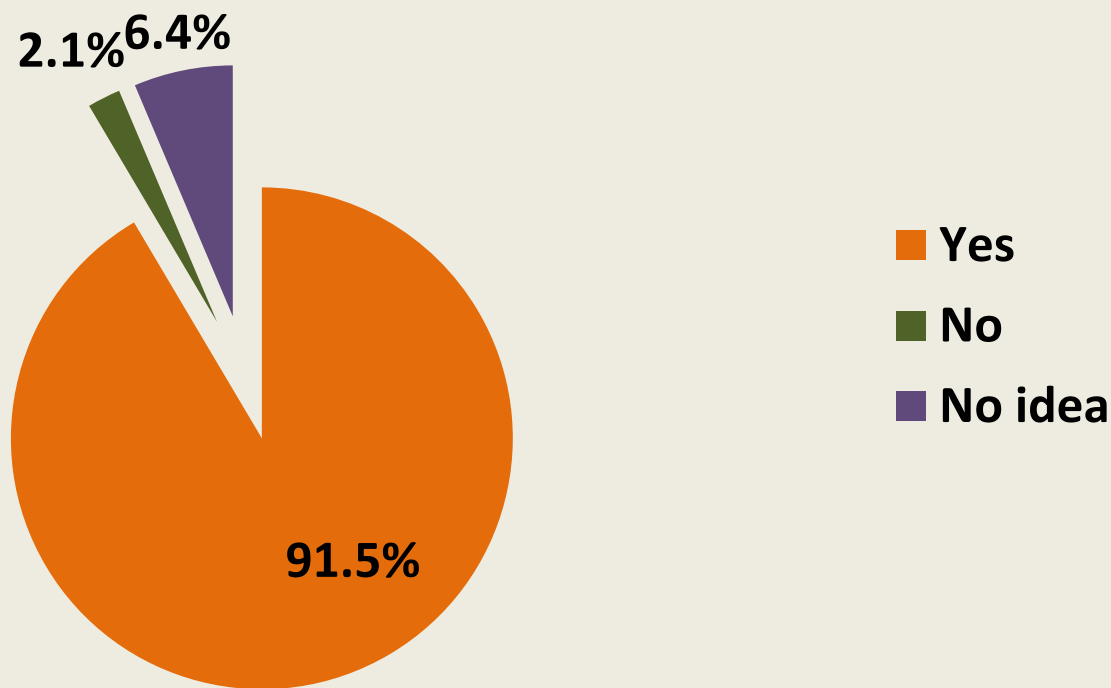
Response rate: 90.4%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)



Response rate: 90.4%

Do you believe that dental faculties and National Dental Associations can collaborate for implementation of Evidence Based Dentistry into practice?



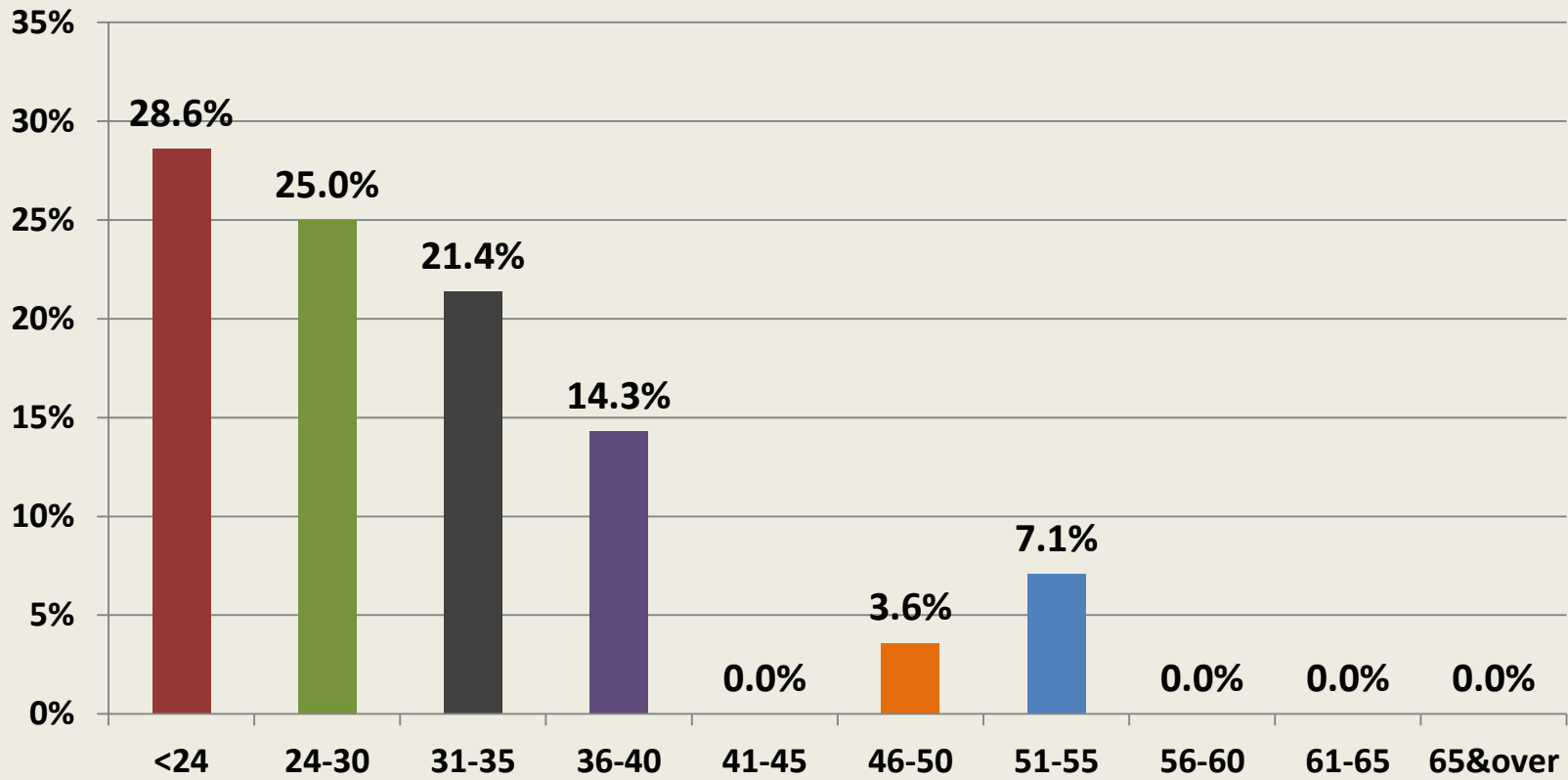
Response rate: 90.4%

Georgia

Publish Date : 10.12.2013 / 28.12.2013

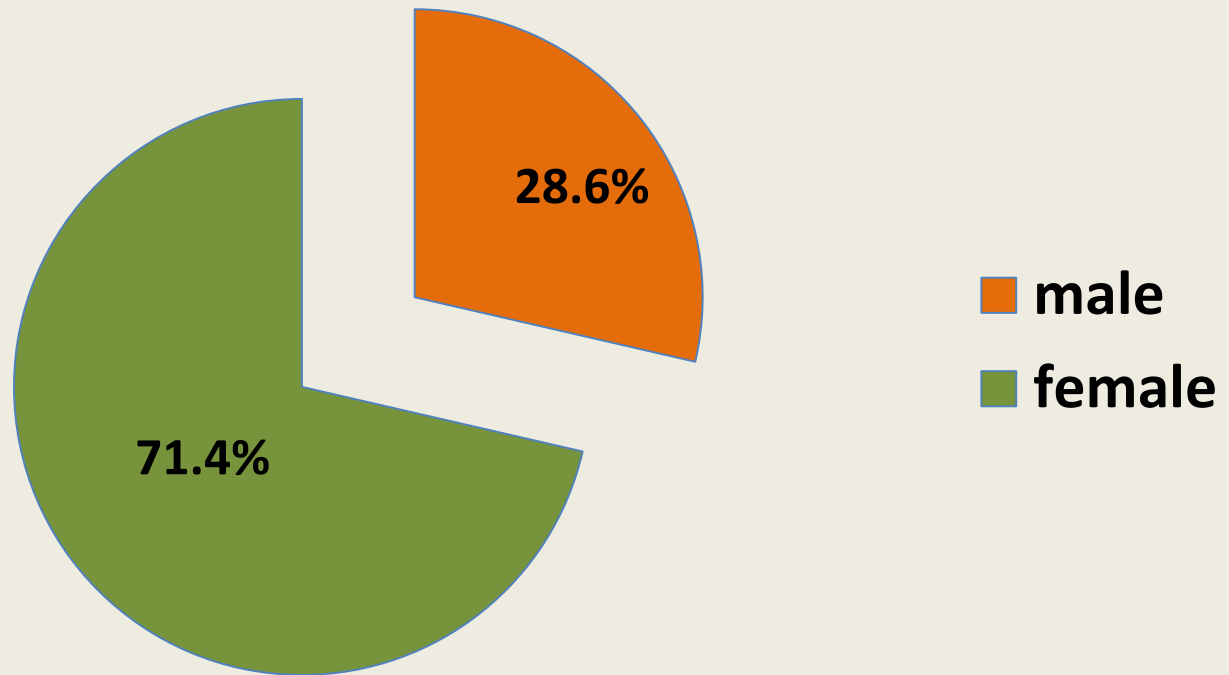
Turnout : 28 Participants

Age



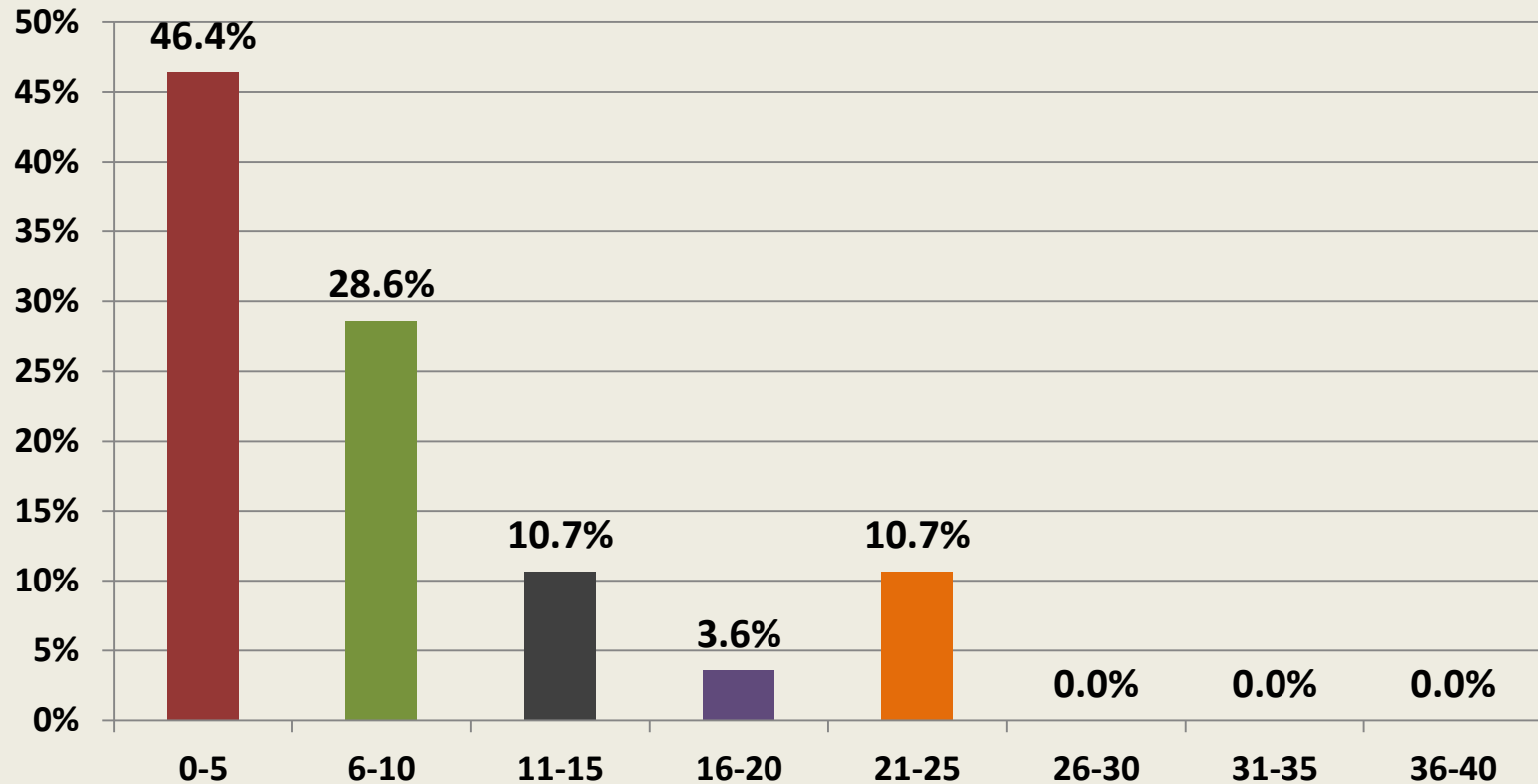
Response rate: 100%

Gender



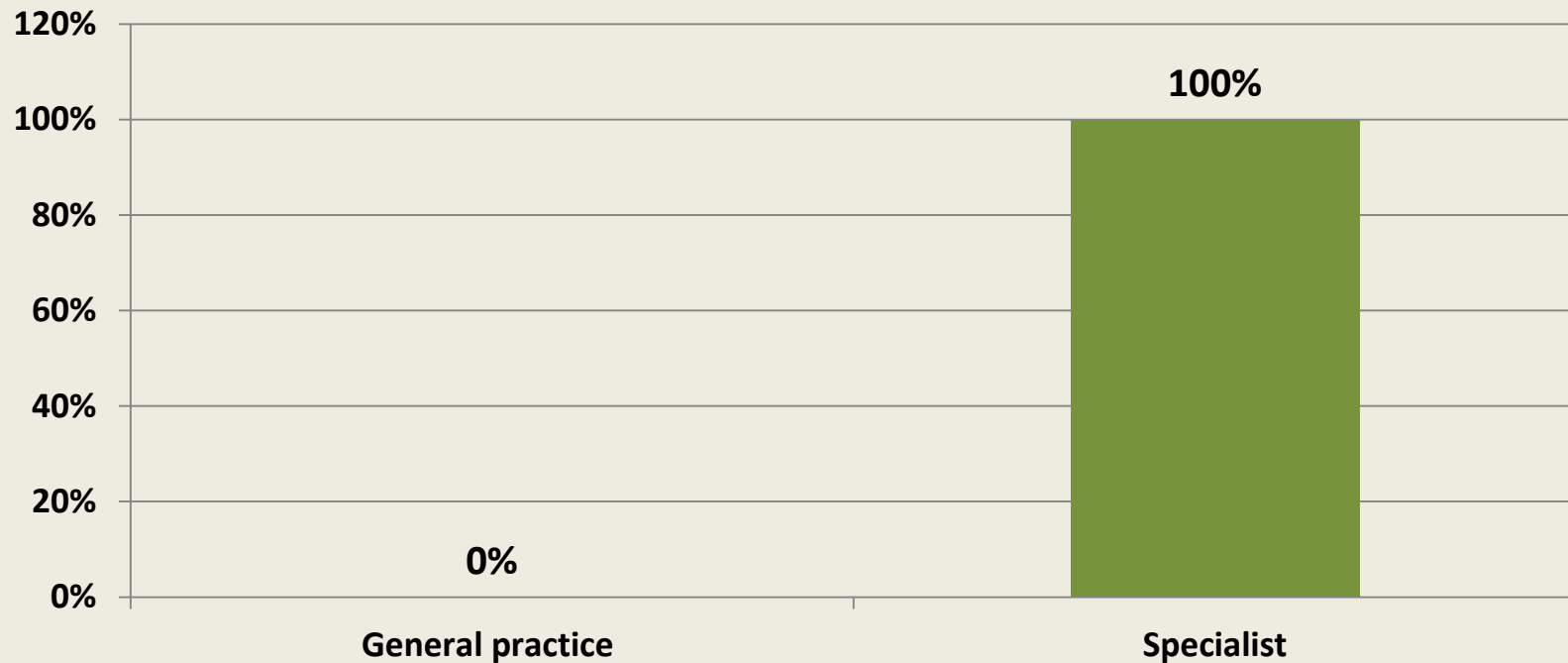
Response rate: 100%

Years in practice



Response rate: 100%

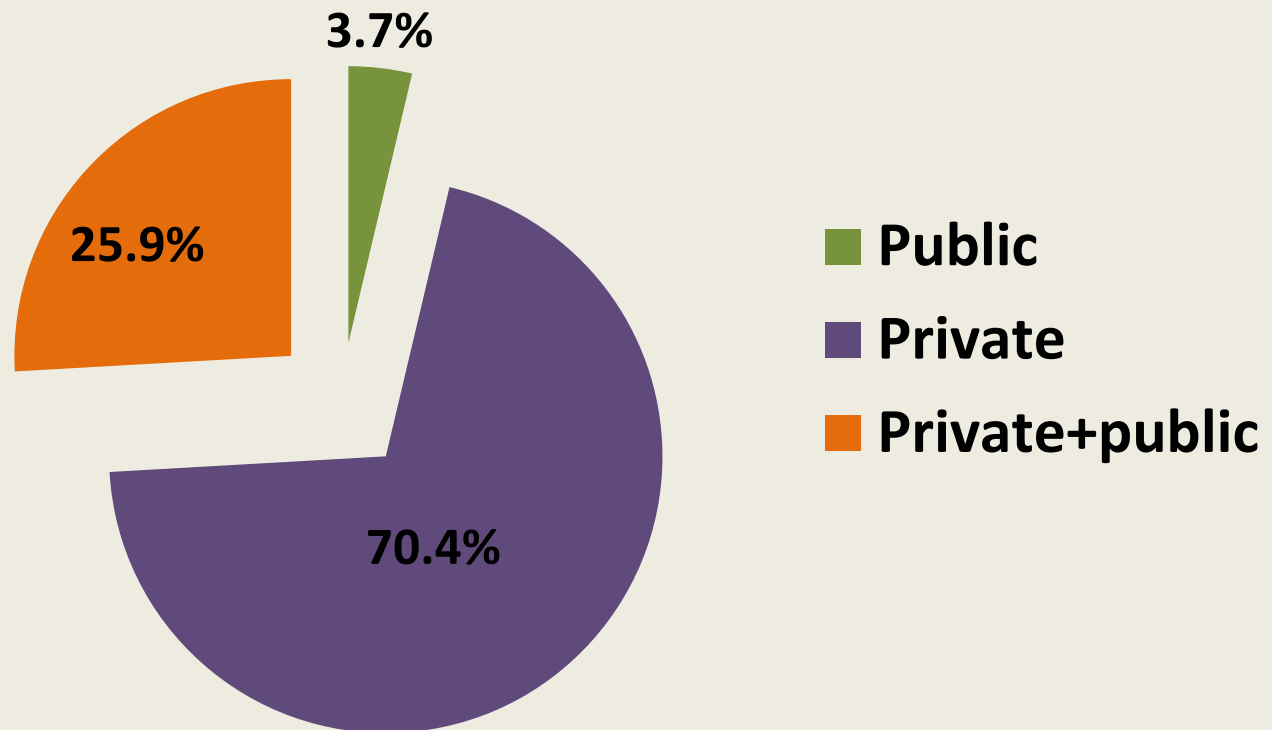
Mode of practice



Response rate: 100%

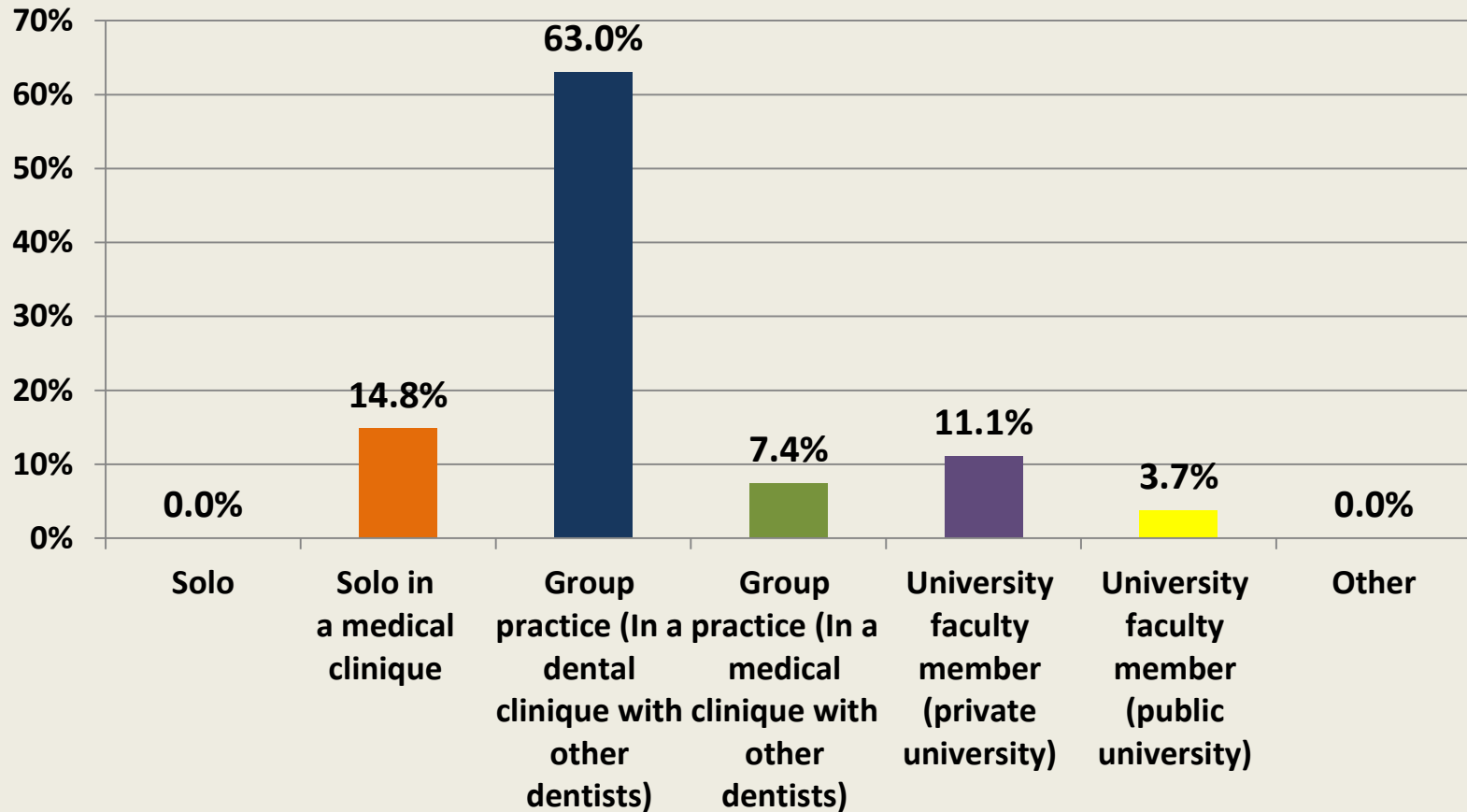
*** 1 participant who indicated mode of practice as "dental student" was excluded from evaluation**

Mode of practice



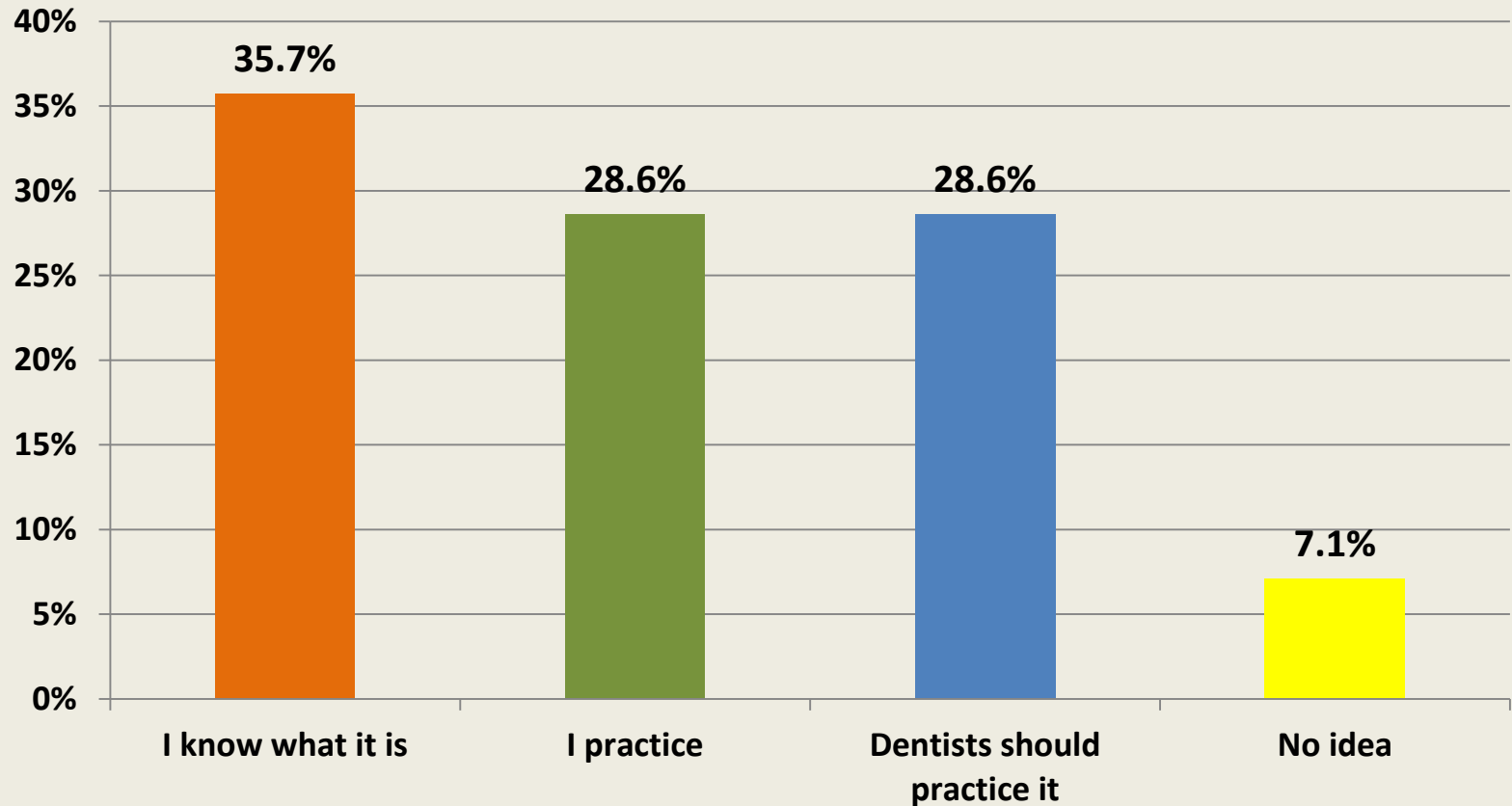
Response rate: 96.4%

Mode of practice



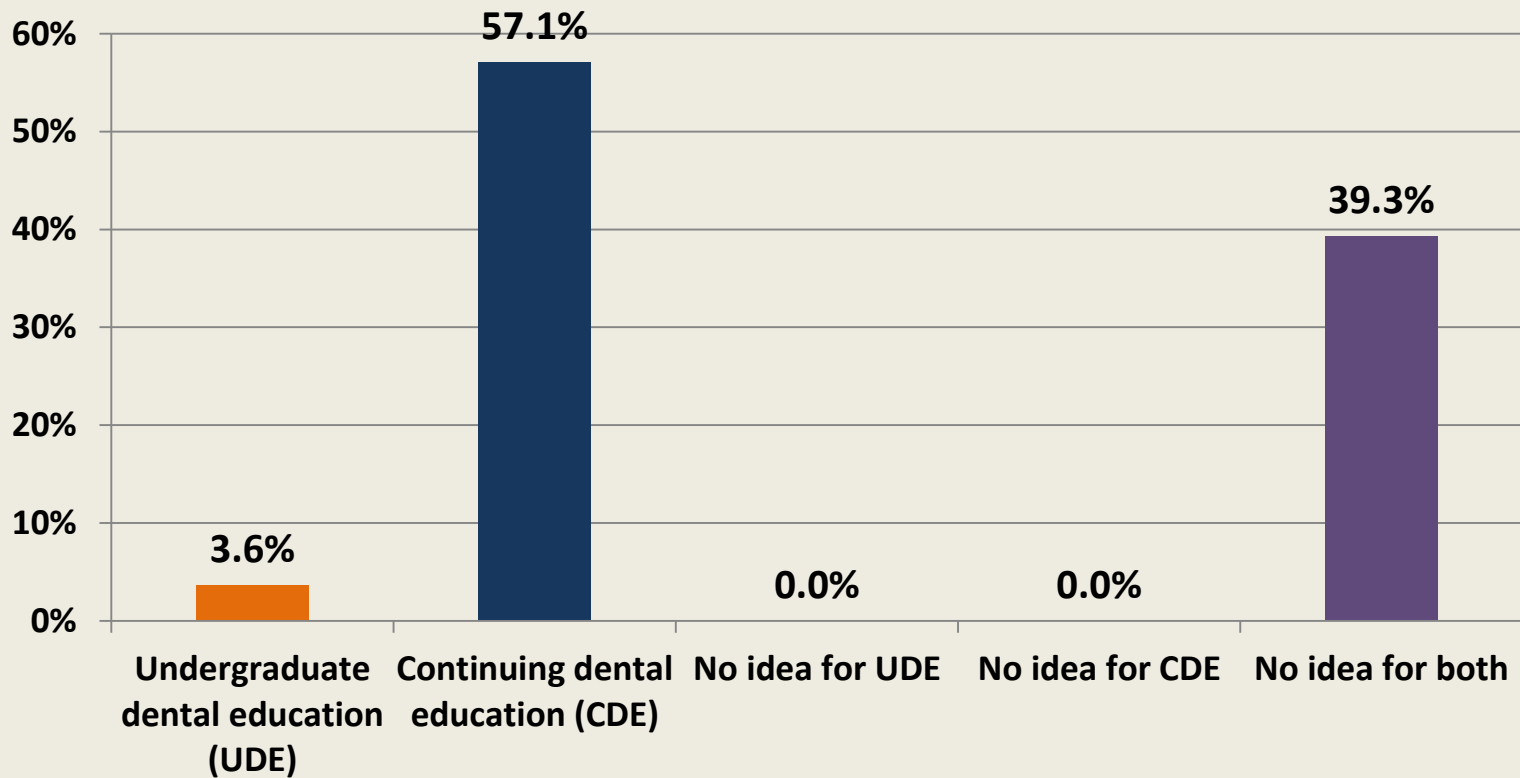
Response rate: 96.4%

About Evidence Based Dentistry



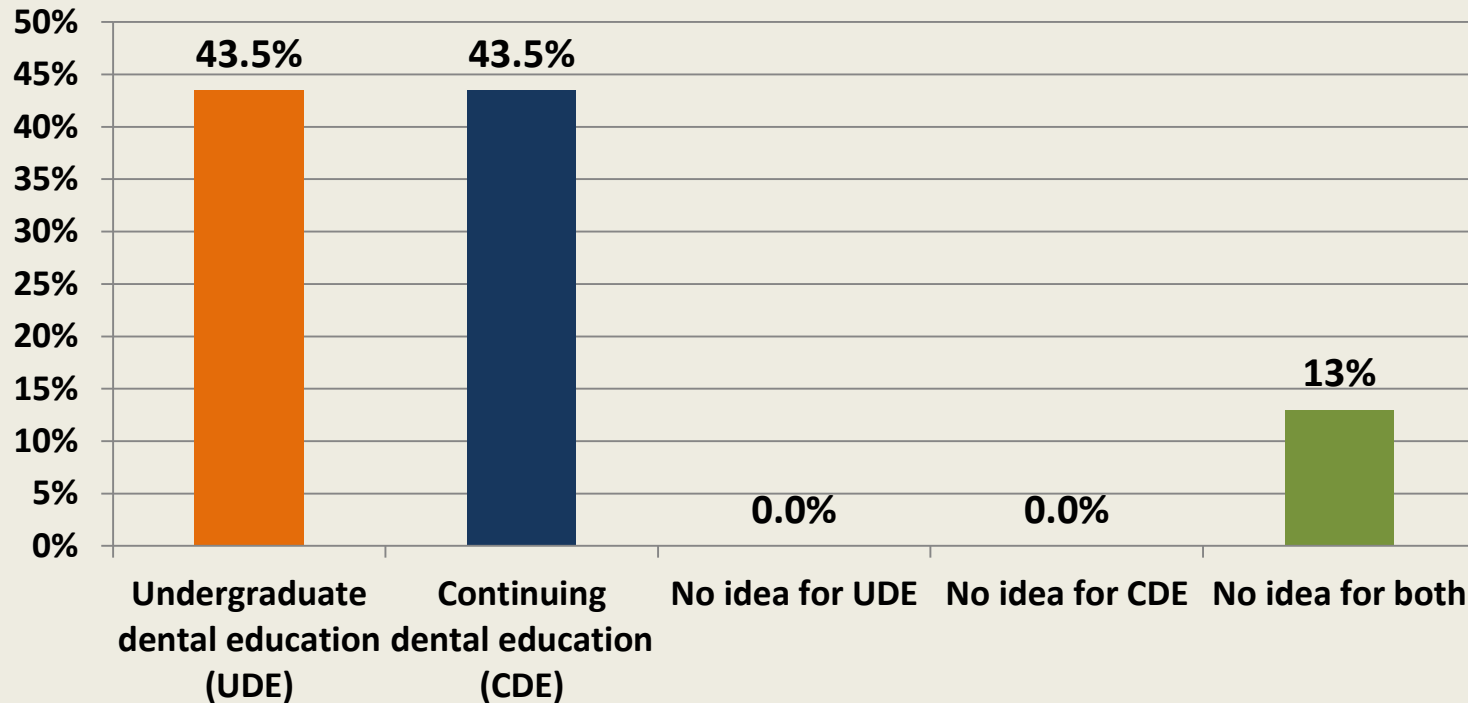
Response rate: 100%

Has Evidence Based Dentistry been taught to you in



Response rate: 100%

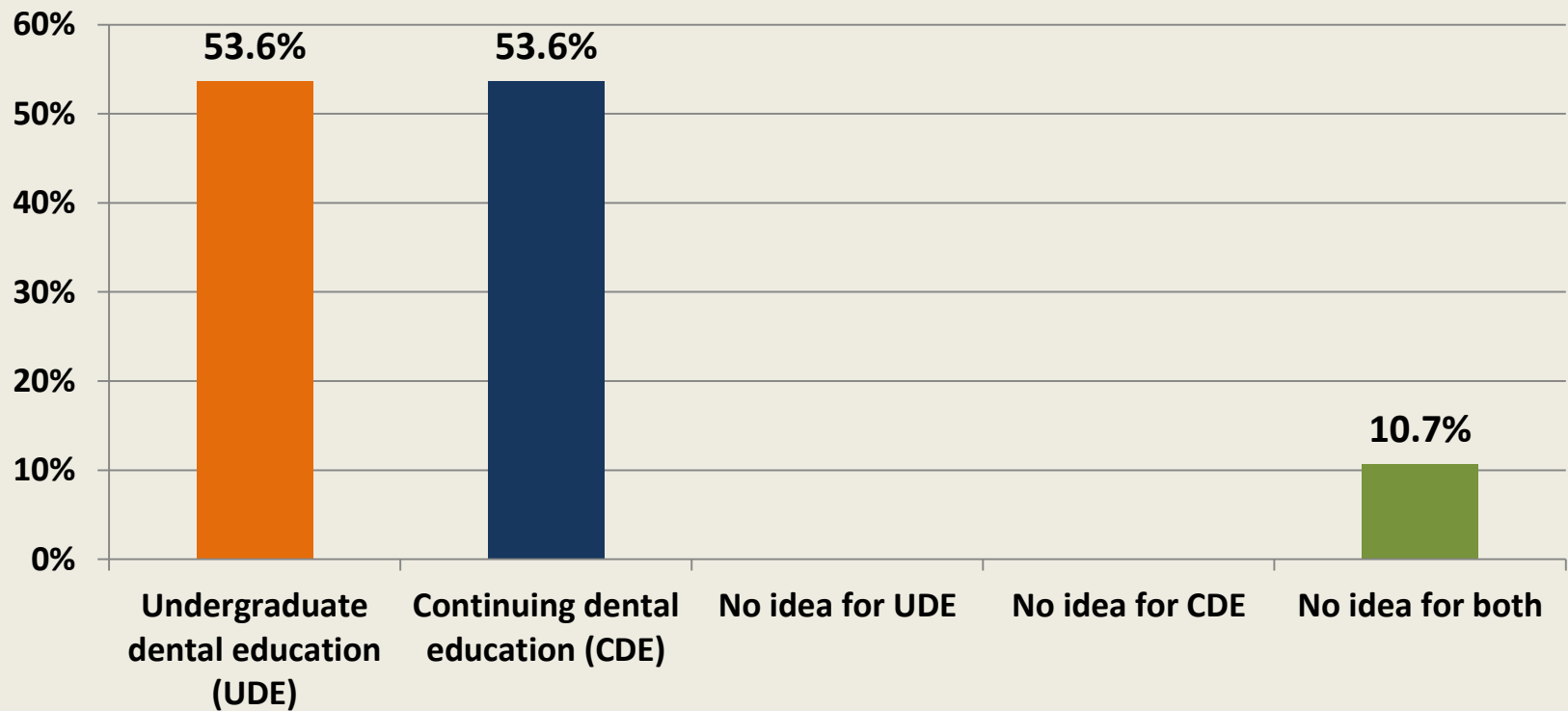
Dou you believe that Evidence Based Dentistry should be taught in – A



Response rate: 100%

*** 5 participants who selected more than one options were excluded from evaluation**

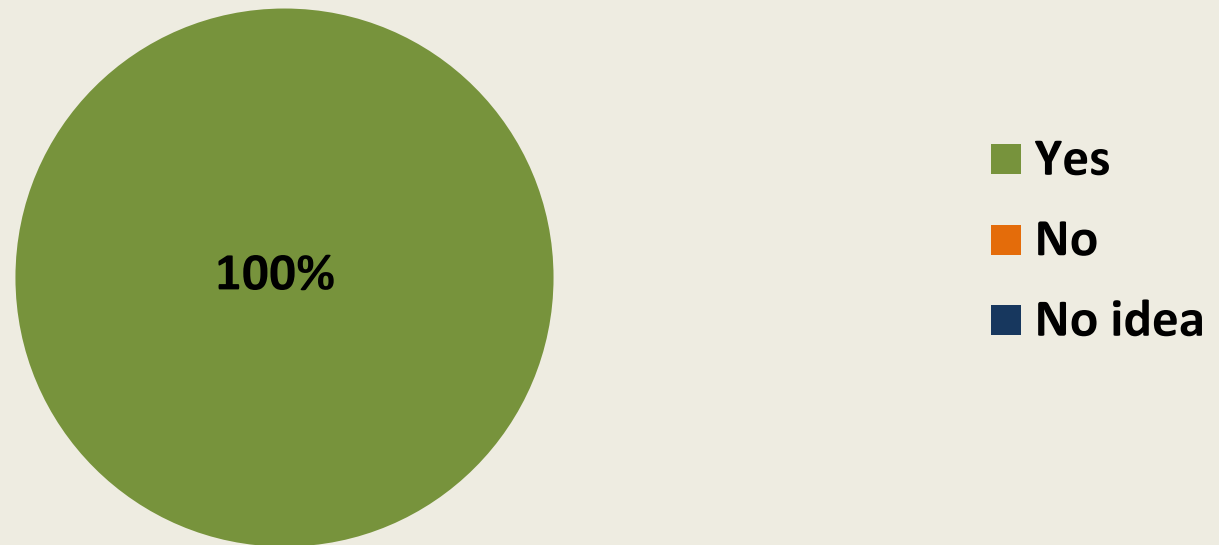
Do you believe that Evidence Based Dentistry should be taught in - B



Response rate: 100%

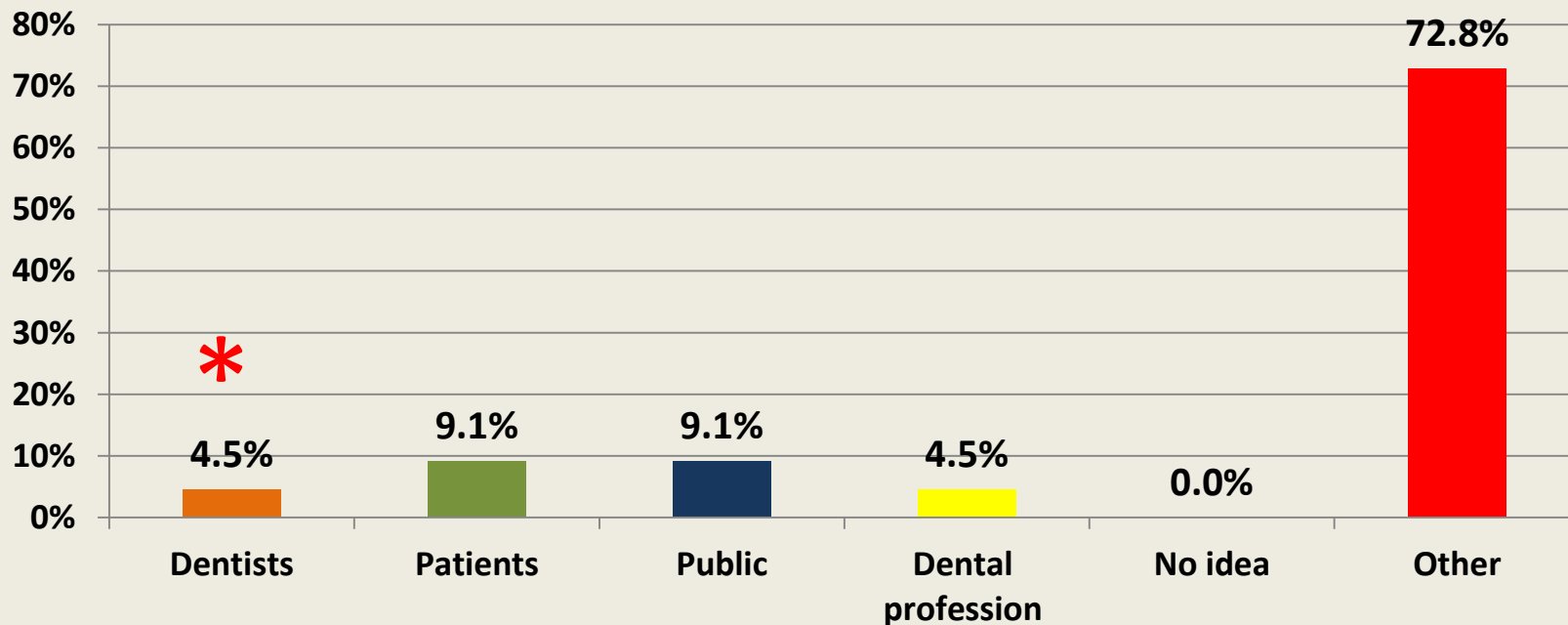
*** 5 participants who selected more than one options were included in the evaluation**

***Do you believe that generally
Evidence Based Dentistry is beneficial***



Response rate: 100%

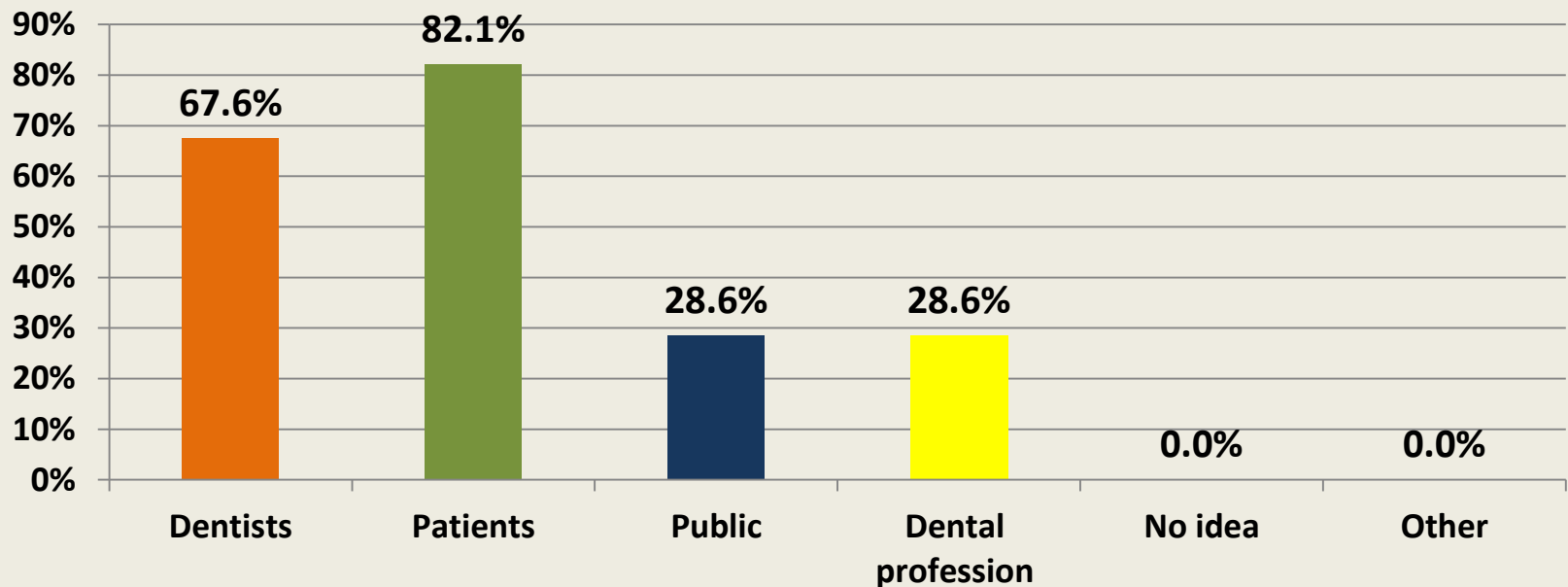
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice? - A



Response rate: 100%

**** 6 participants who selected more than one options were excluded from evaluation***

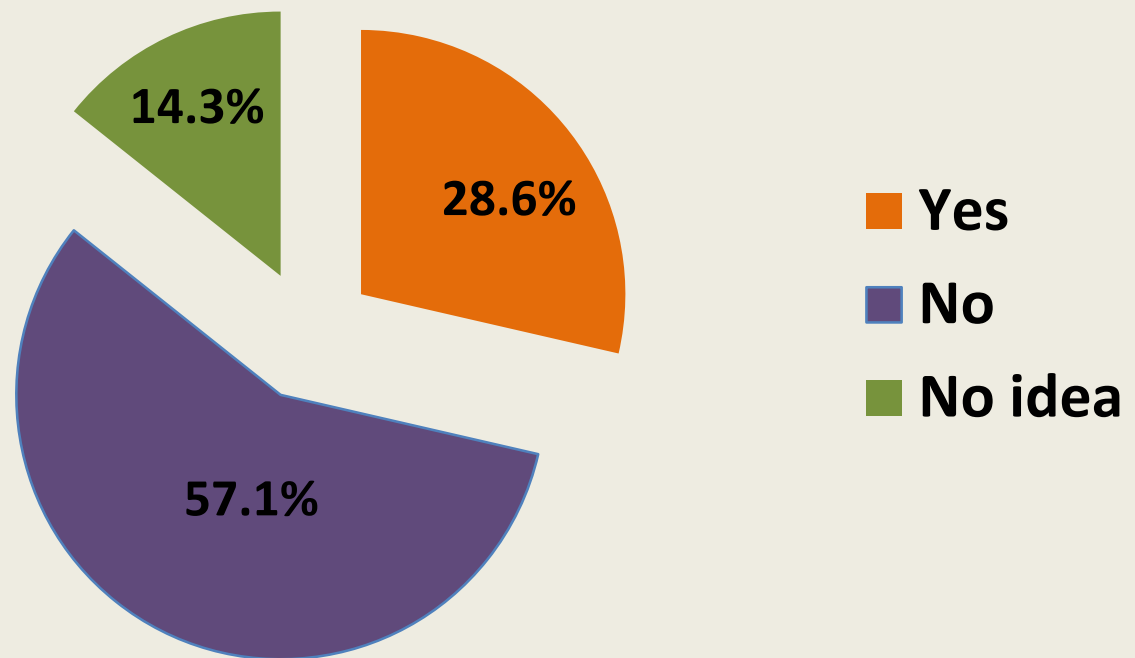
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice? - B



Response rate: 100%

**** 6 participants who selected more than one options were included in the evaluation***

Do you believe that dentists experience difficulties in implementing Evidence Based Dentistry into practice



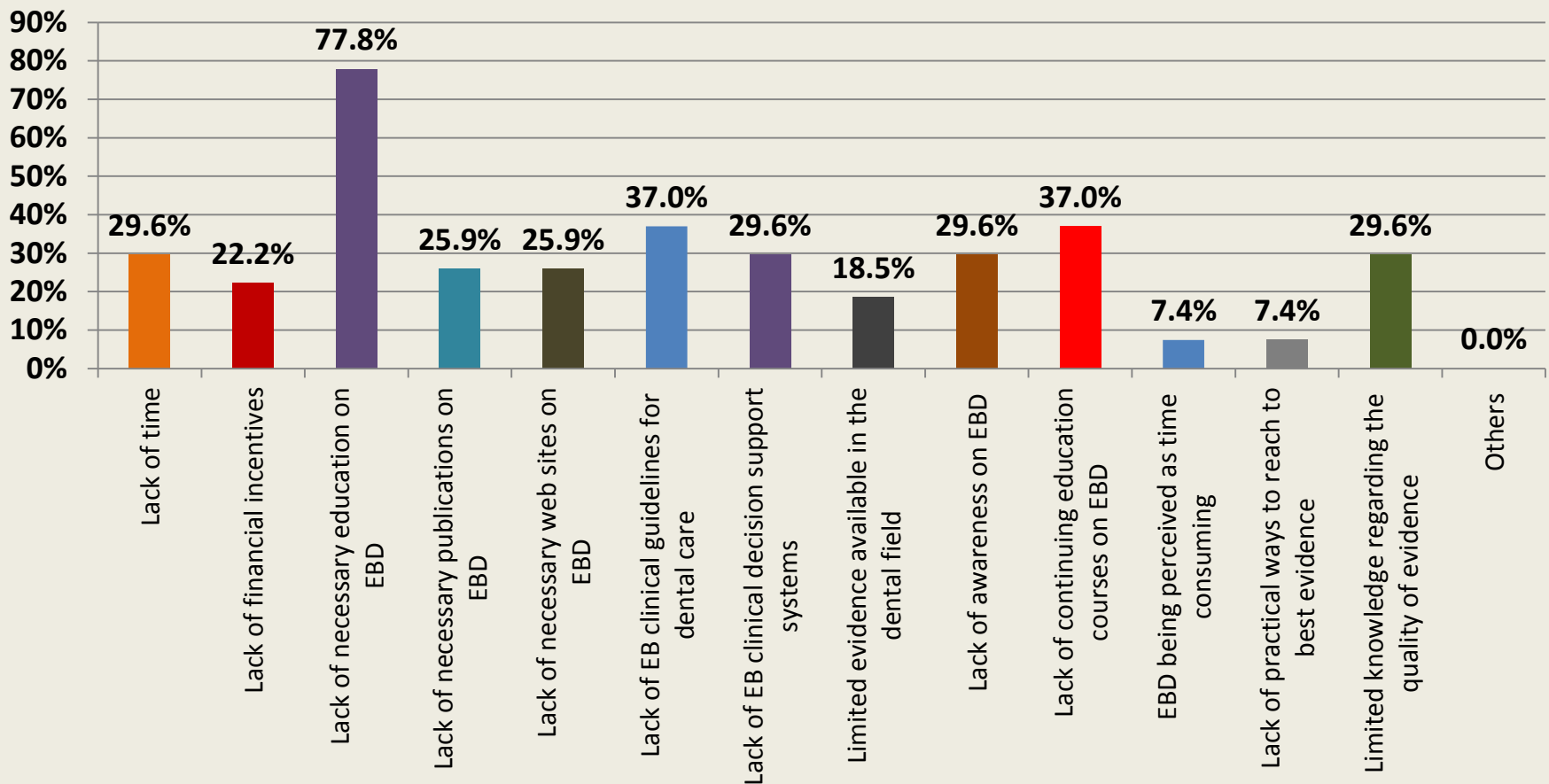
Response rate: 100%

If yes, what are the barriers to implementation of Evidence Based Dentistry into practice? (more than one option)

NO	RATE	ANSWERS
1	29.6%	Lack of time
2	22.2%	Lack of financial incentives
3	77.8%	Lack of necessary education on evidence based dentistry
4	25.9%	Lack of necessary publications on evidence based dentistry
5	25.9%	Lack of necessary web sites on evidence based dentistry
6	37%	Lack of evidence-based clinical guidelines for dental care
7	29.6%	Lack of evidence-based clinical decision support systems
8	18.5%	Limited evidence available in the dental field
9	29.6%	Lack of awareness on evidence based dentistry
10	37%	Lack of continuing education courses on evidence based dentistry
11	7.4%	Evidence based dentistry being perceived as time consuming
12	7.4%	Lack of practical ways to reach to best evidence
13	29.6%	Limited knowledge regarding the quality of evidence (appraisal of evidence)
14	0%	Others

Response rate: 96.4%

*If yes, what are the barriers to implementation of Evidence Based Dentistry into practice?
(more than one option)*



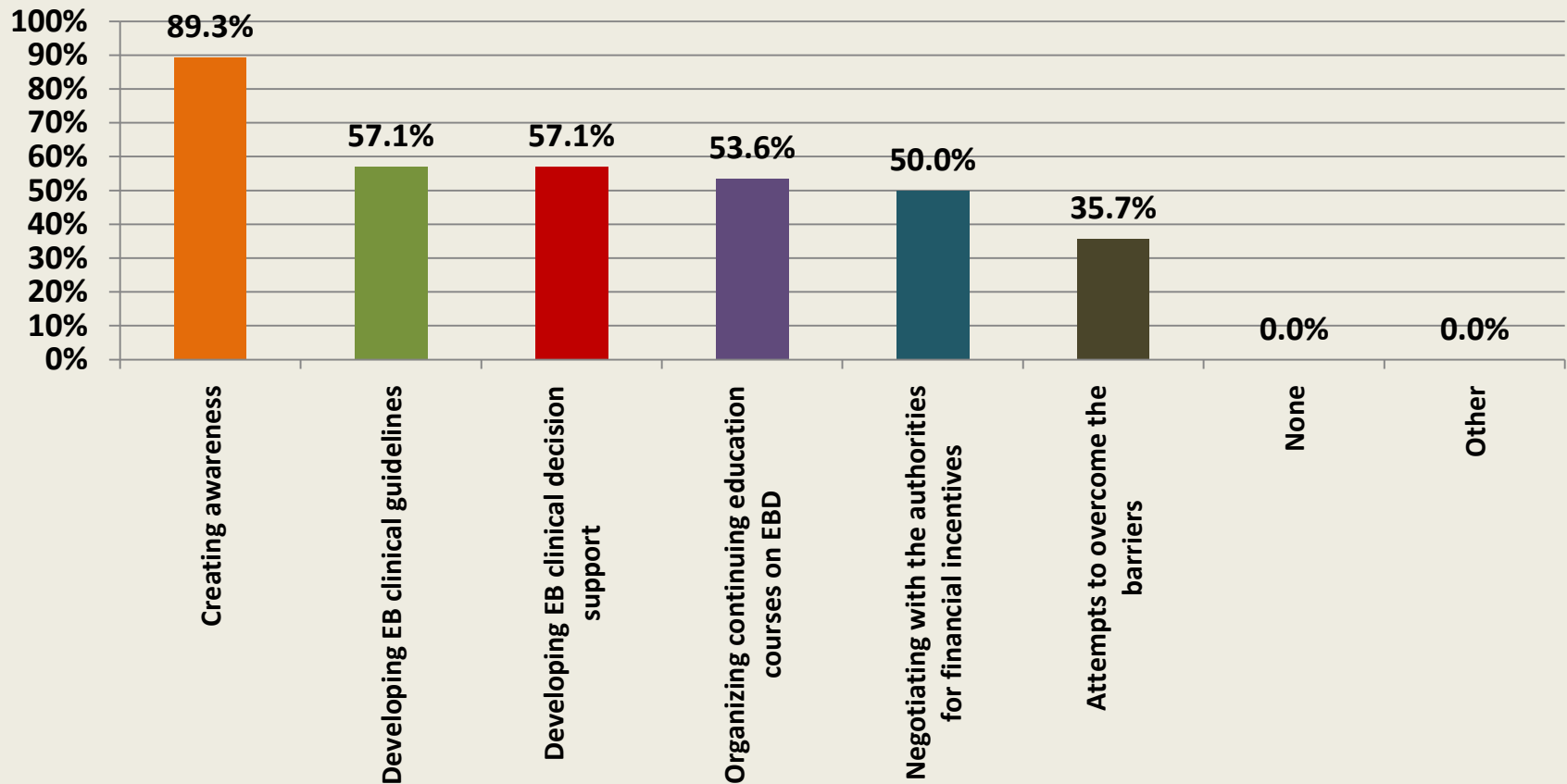
Response rate: 96.4%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)

NO	RATE	ANSWERS
1	89.3%	Creating awareness
2	57.1%	Developing evidence based clinical guidelines
3	57.1%	Developing evidence based clinical decision support systems
4	53.6%	Organizing continuing education courses on evidence based dentistry
5	50%	Negotiating with the authorities for financial incentives to foster implementation of evidence based dentistry into practice
6	35.7%	Attempts to overcome the barriers to implementation of evidence based dentistry into practice
7	0%	None
8	0%	Other

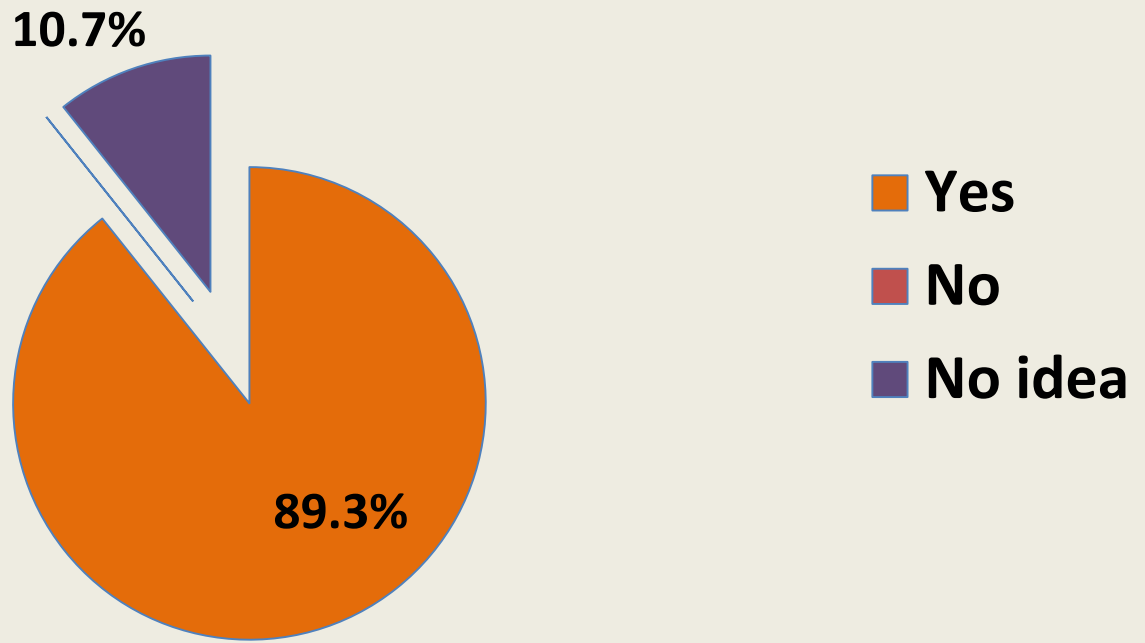
Response rate: 100%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)



Response rate: 100%

Do you believe that dental faculties and National Dental Associations can collaborate for implementation of Evidence Based Dentistry into practice?

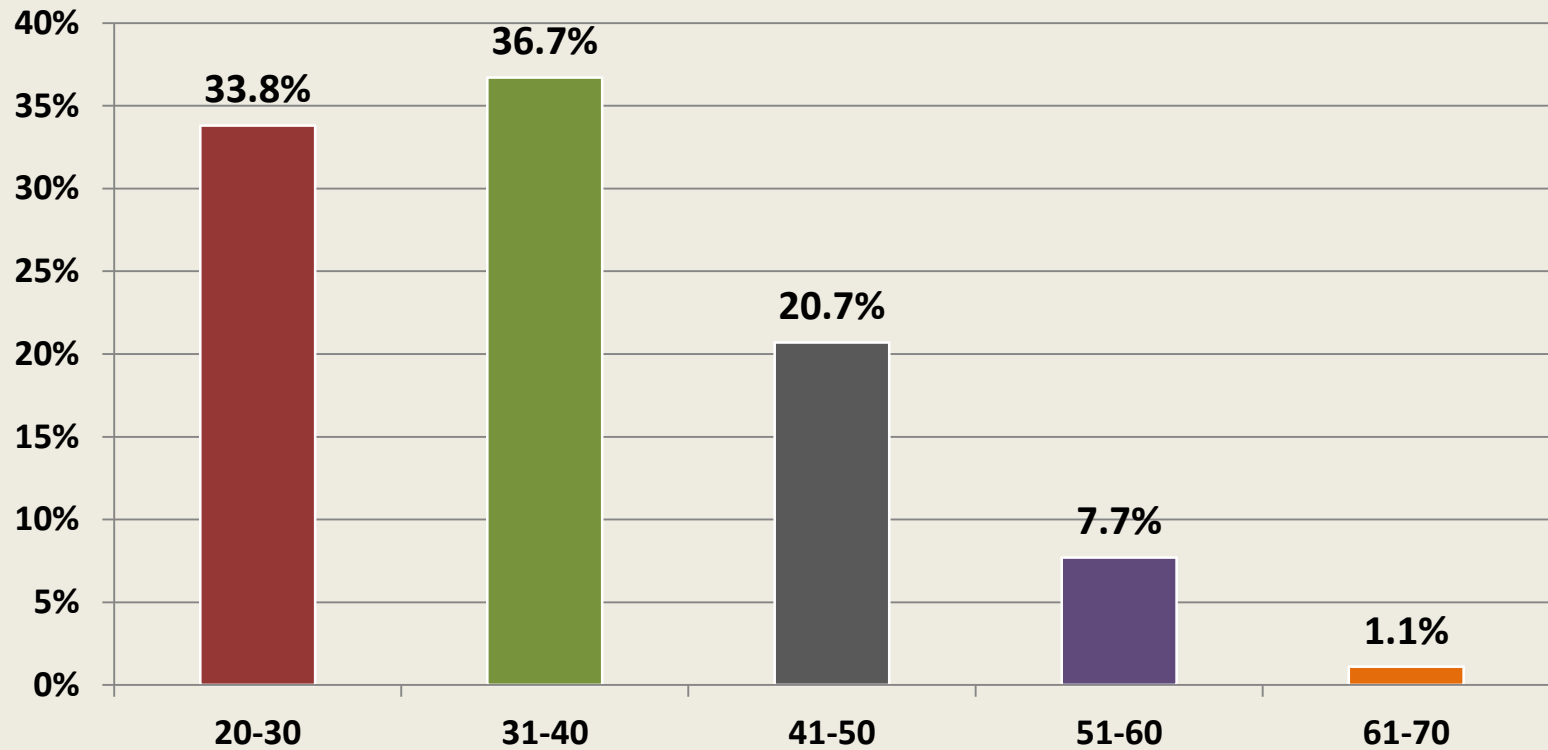


Response rate: 100%

Portugal

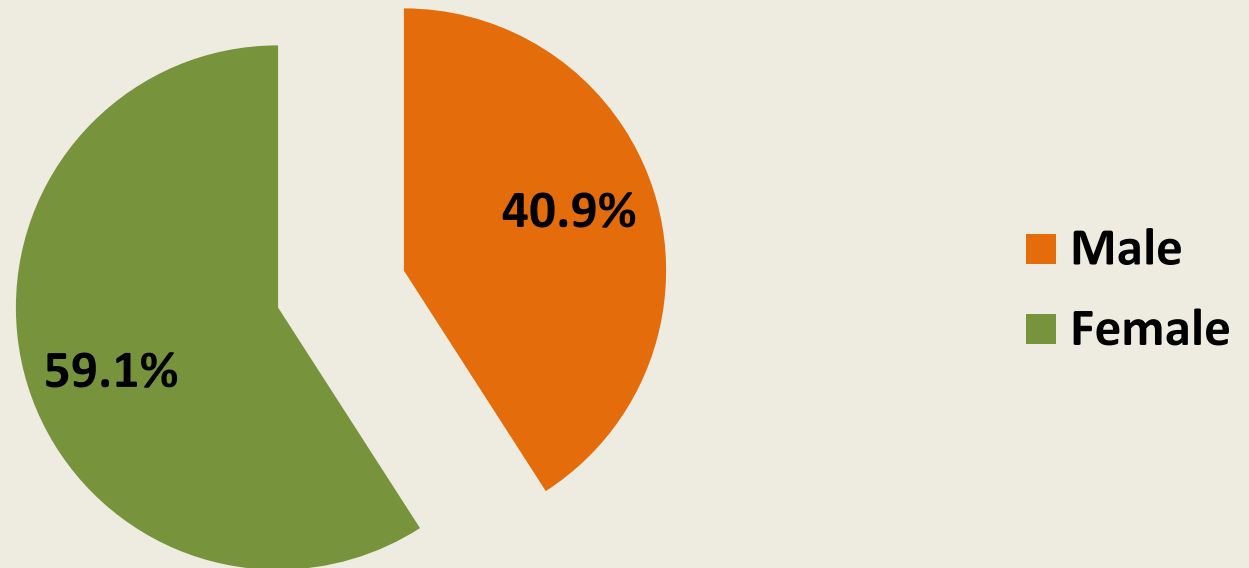
Publish Date : 25.March.2014-
Turnout : Participants 352

Age



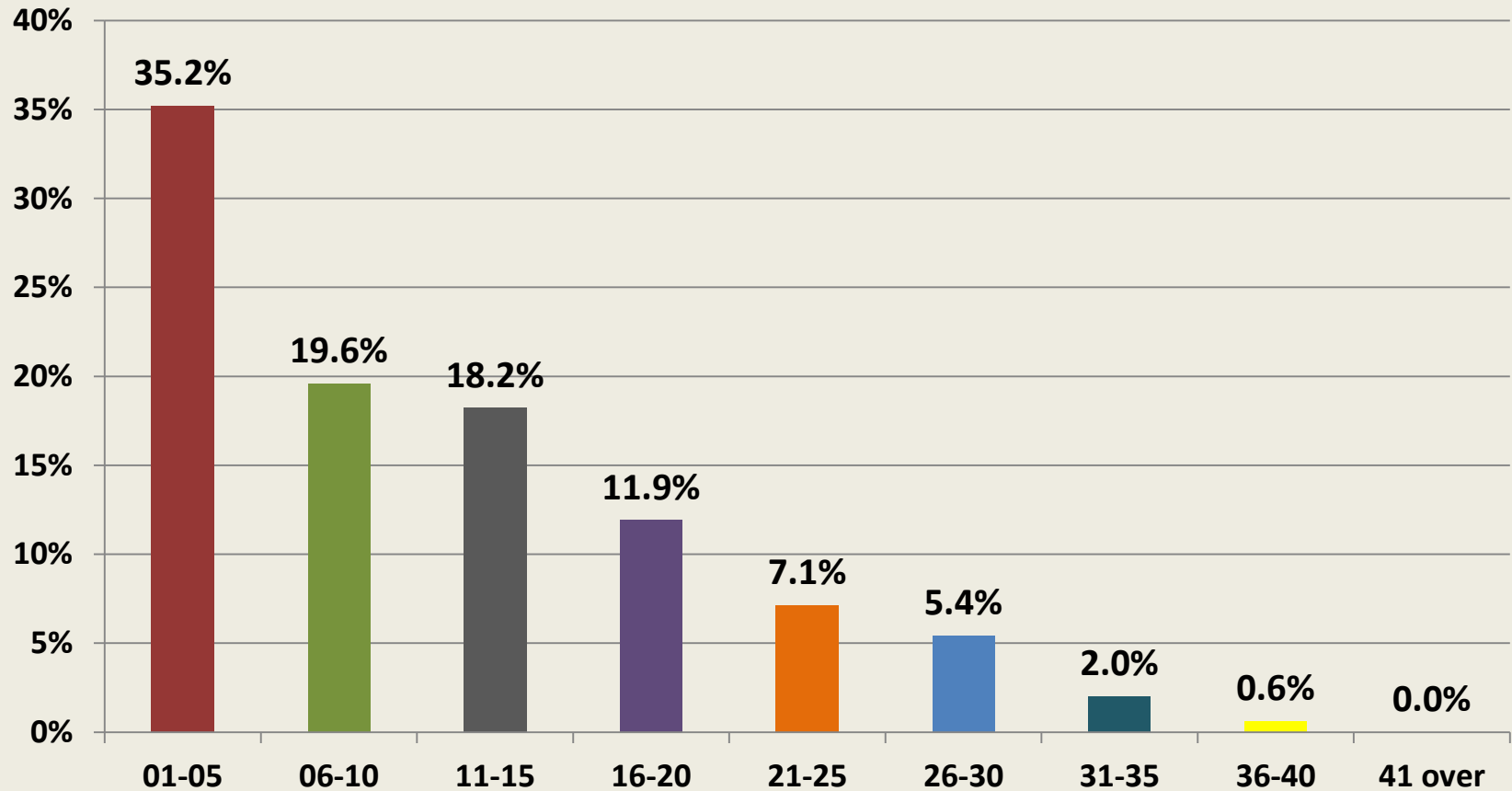
Response rate: 100%

Gender



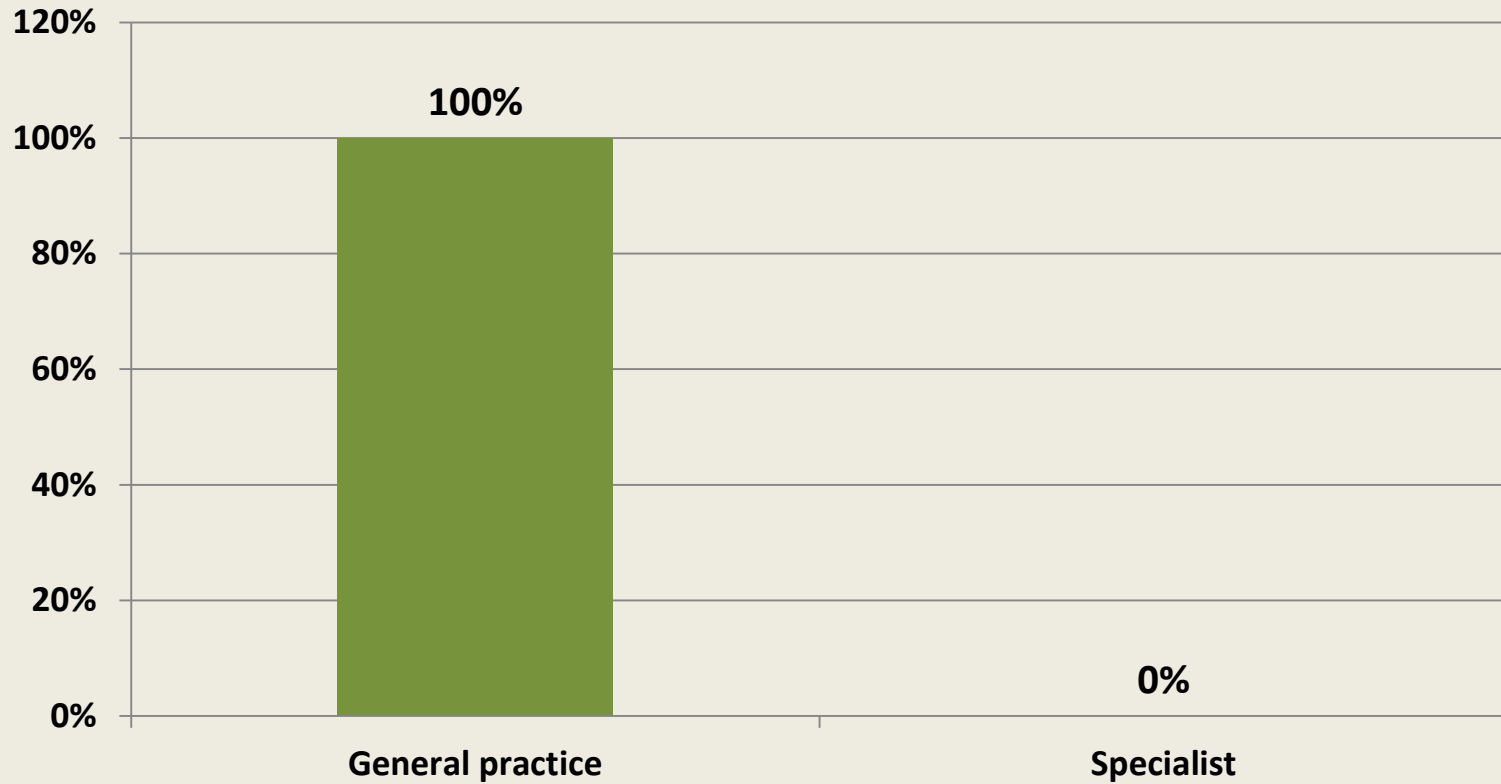
Response rate 100%

Years in practice



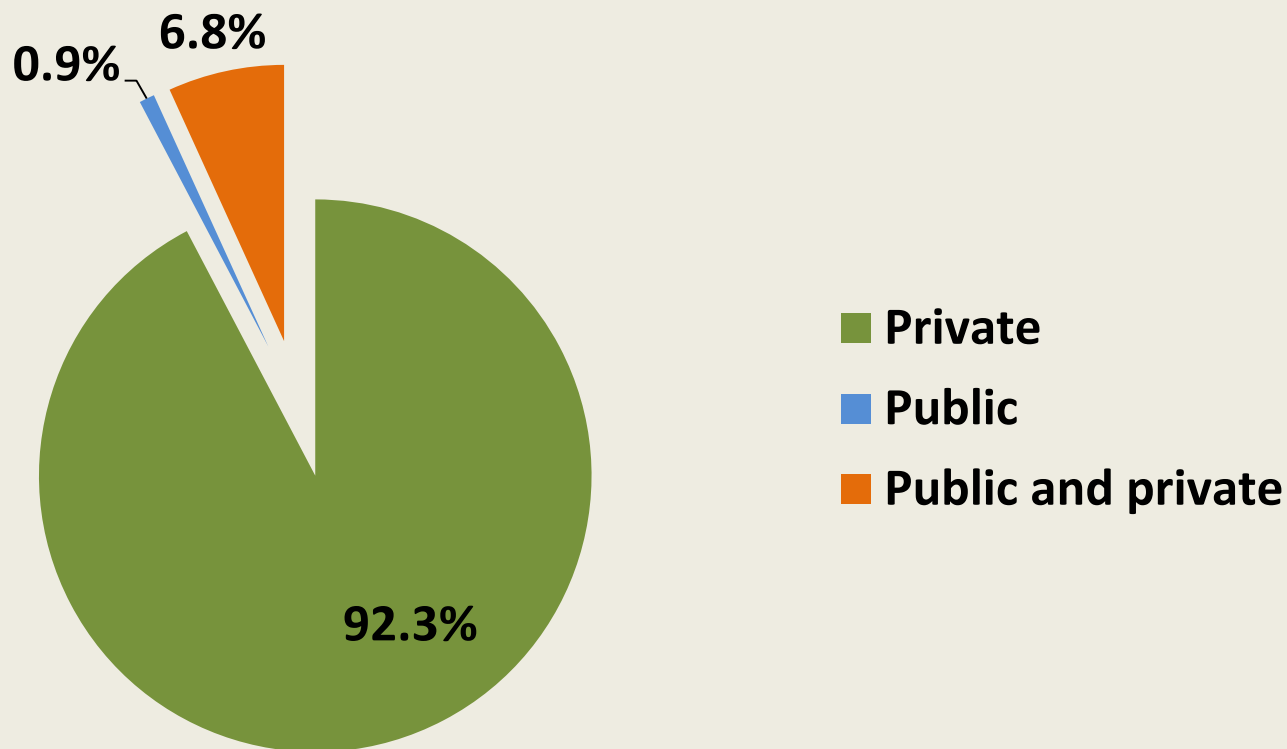
Response rate 100%

Mode of practice



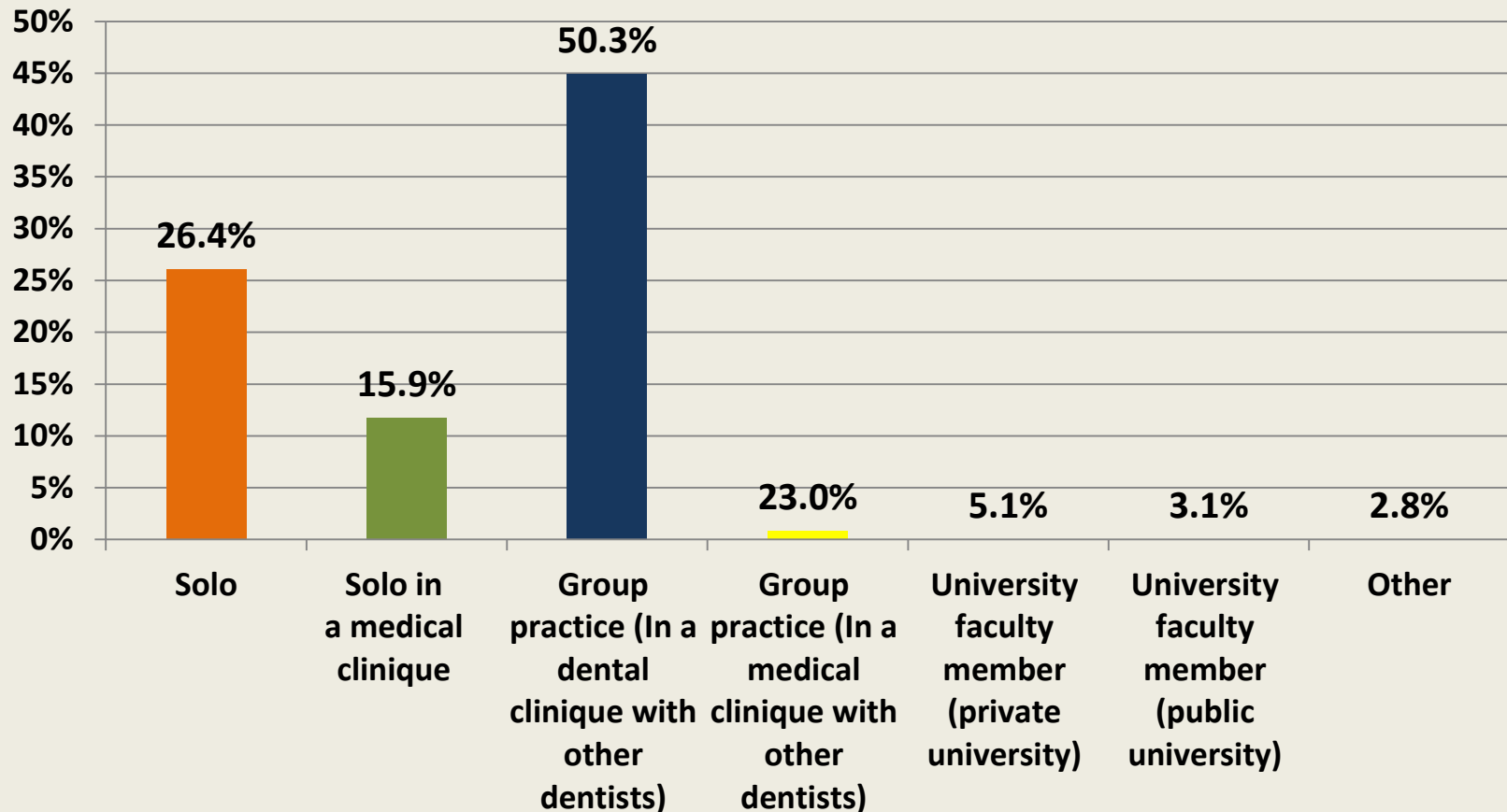
Response rate 100%

Mode of practice



Response rate 100%

Mode of practice - A

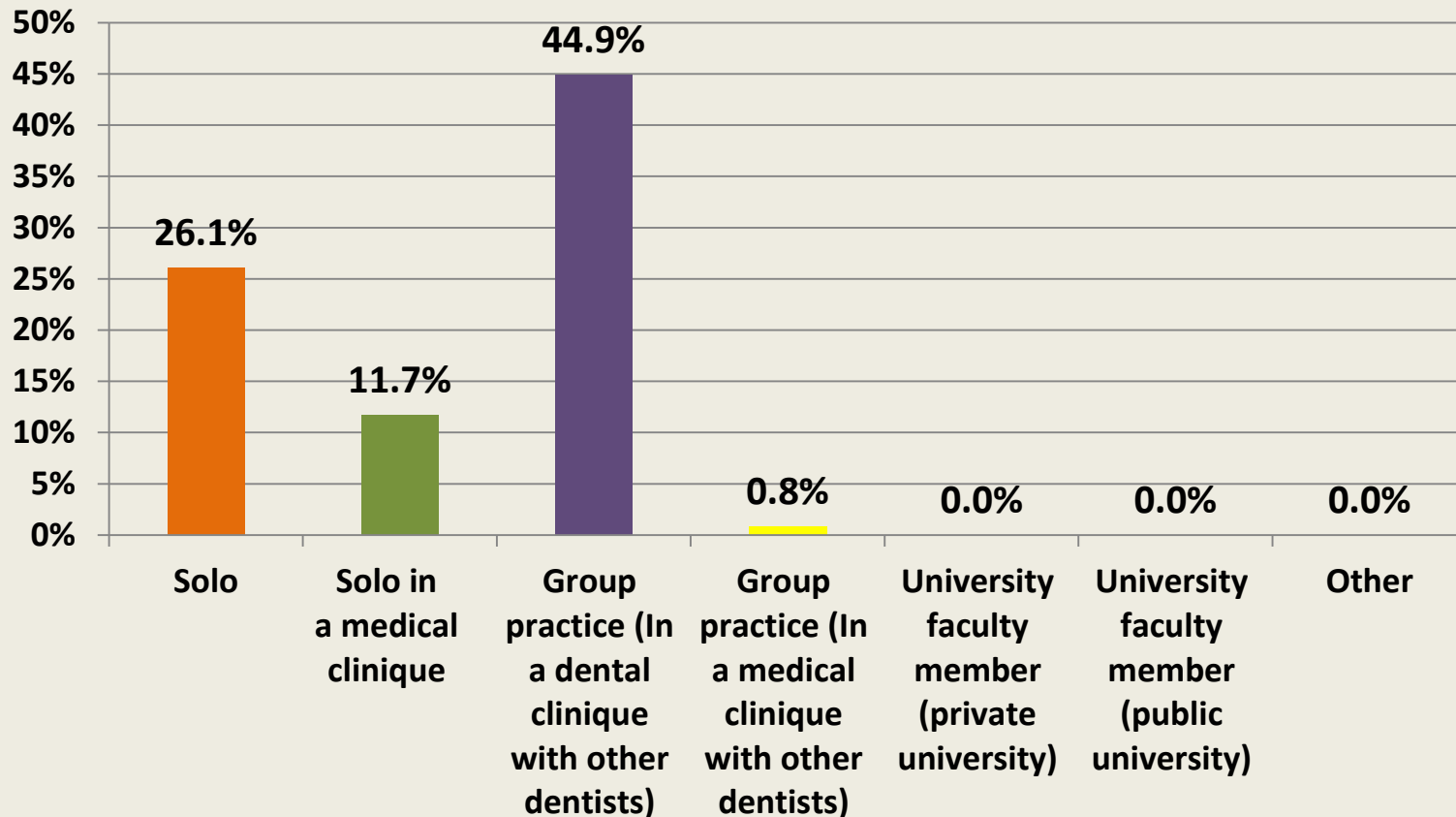


Others: prison, researcher in private university, coordinator, public service,

Response rate 100%

*** 87 participants who selected more than one options were included in the evaluation**

Mode of practice – B

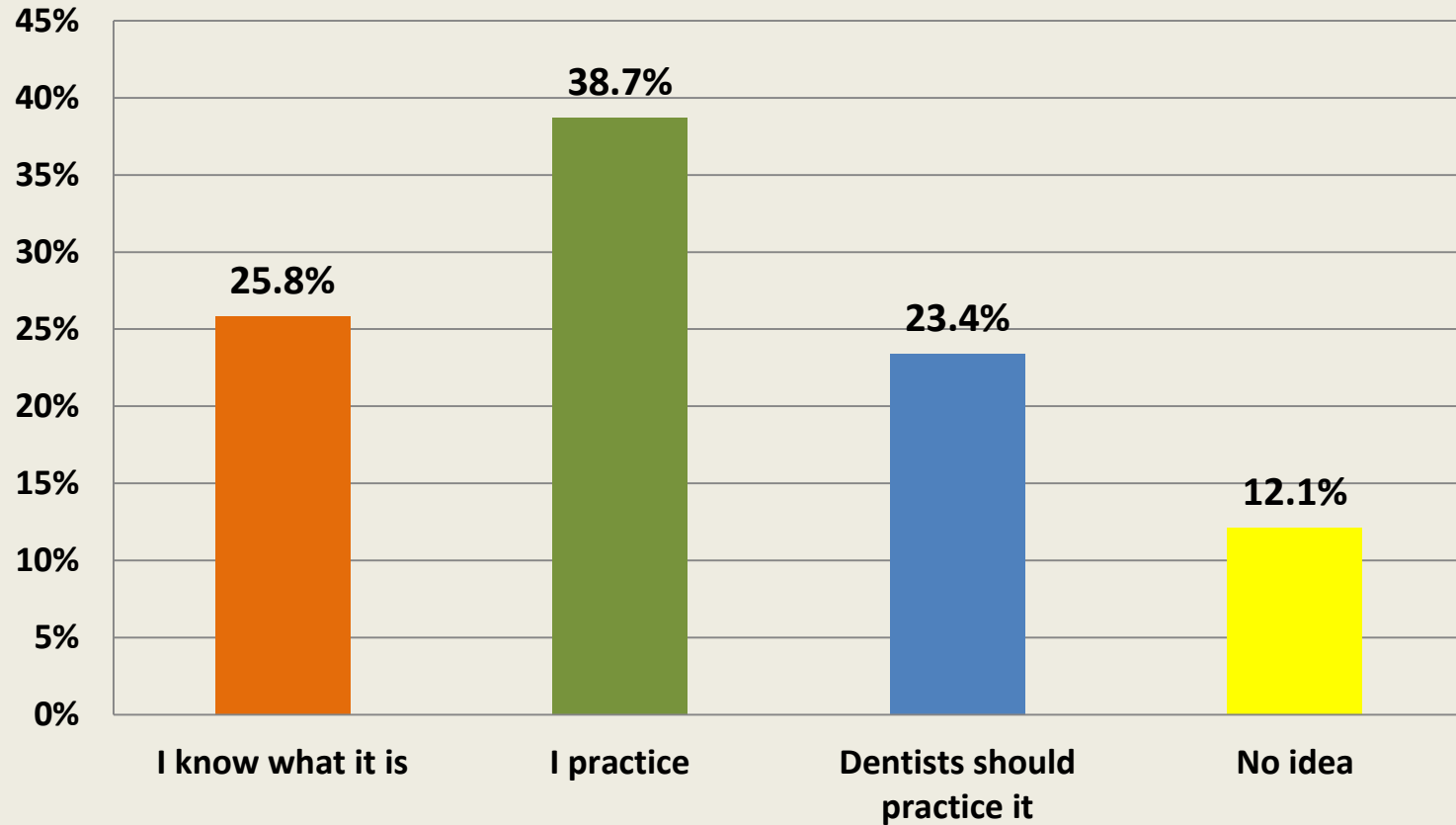


Others: prison, researcher in private university, coordinator, public service,

Response rate 100%

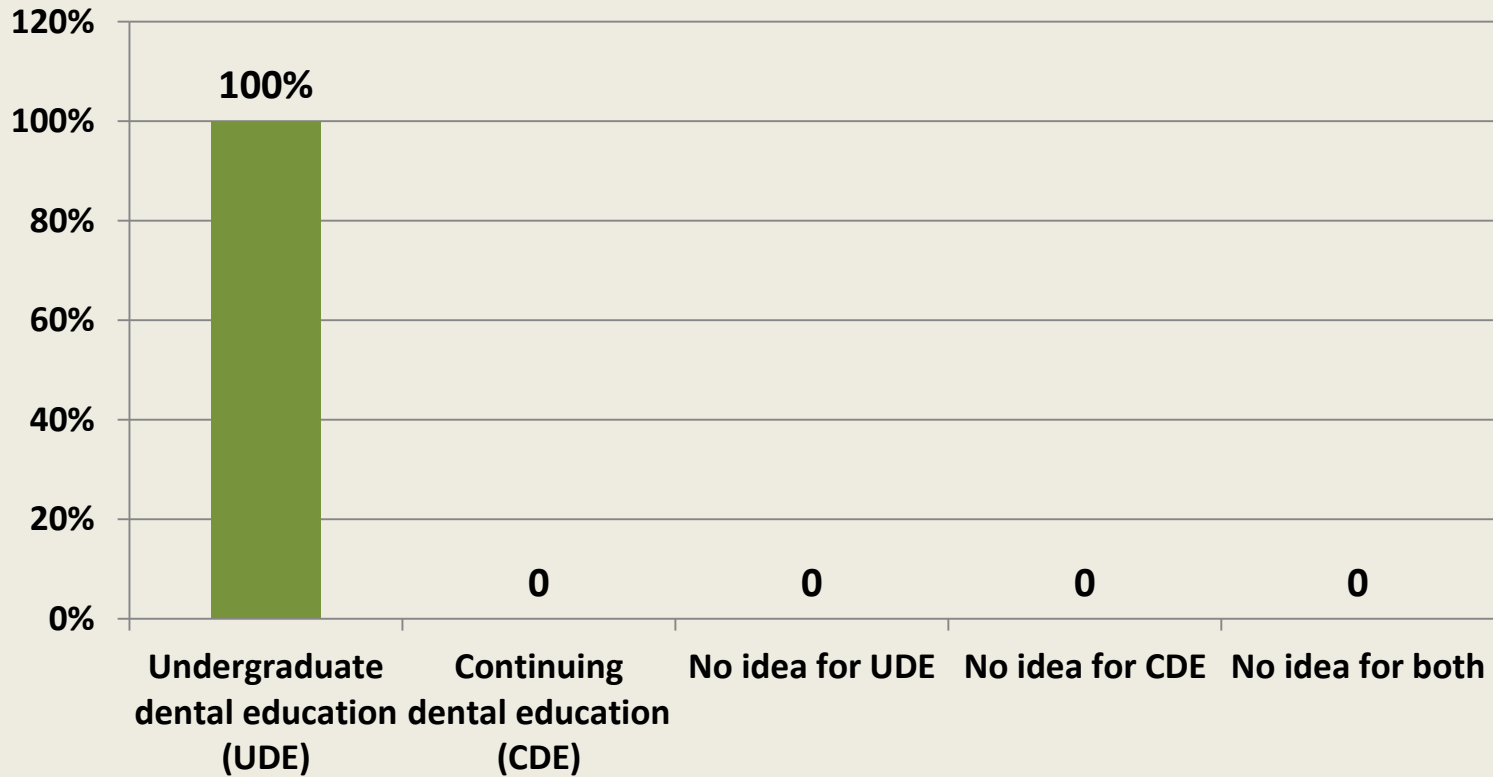
*** 87 participants who selected more than one options were excluded from evaluation**

About Evidence Based Dentistry



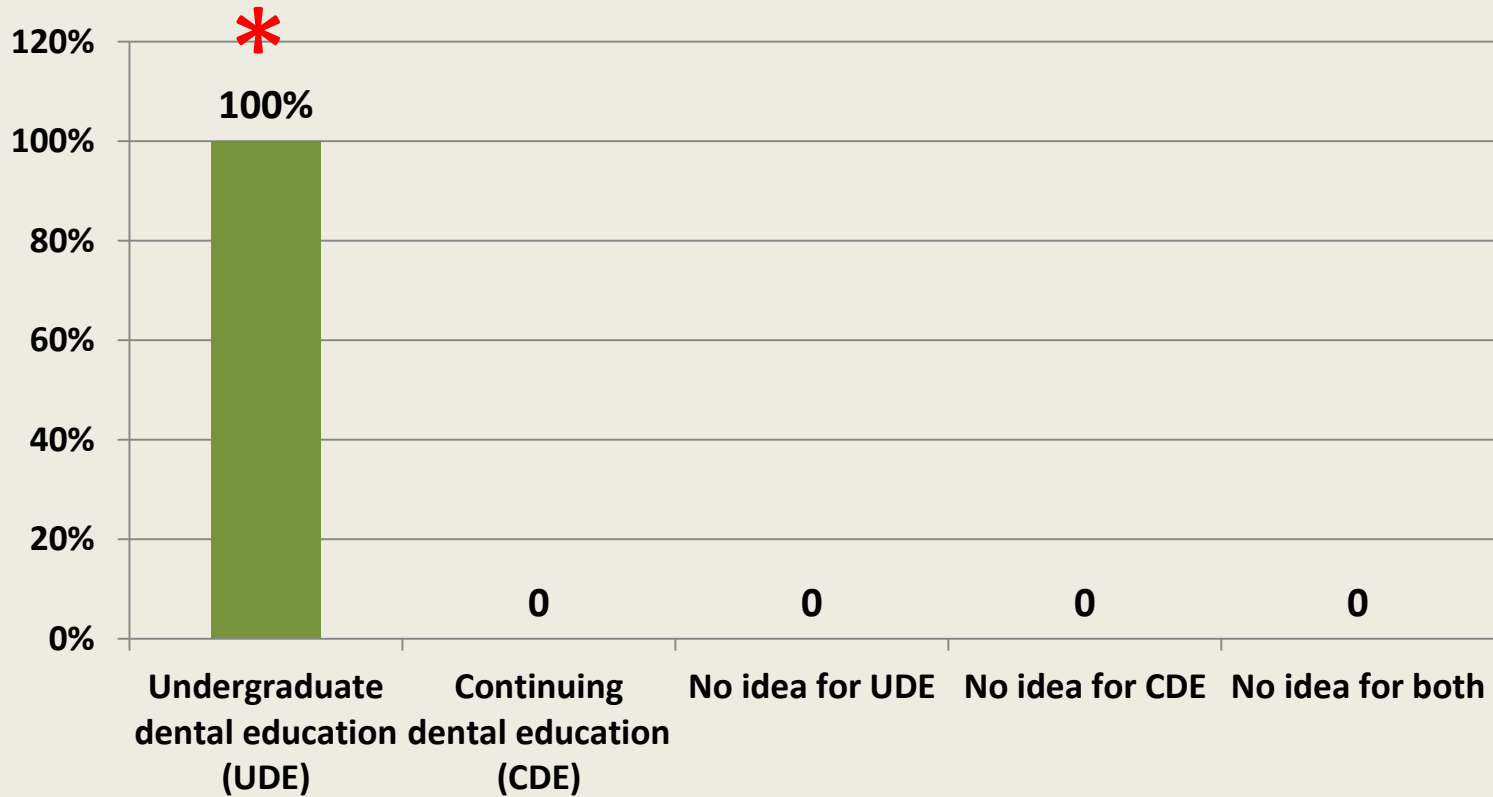
Response rate 91.2%

Has Evidence Based Dentistry been taught to you in



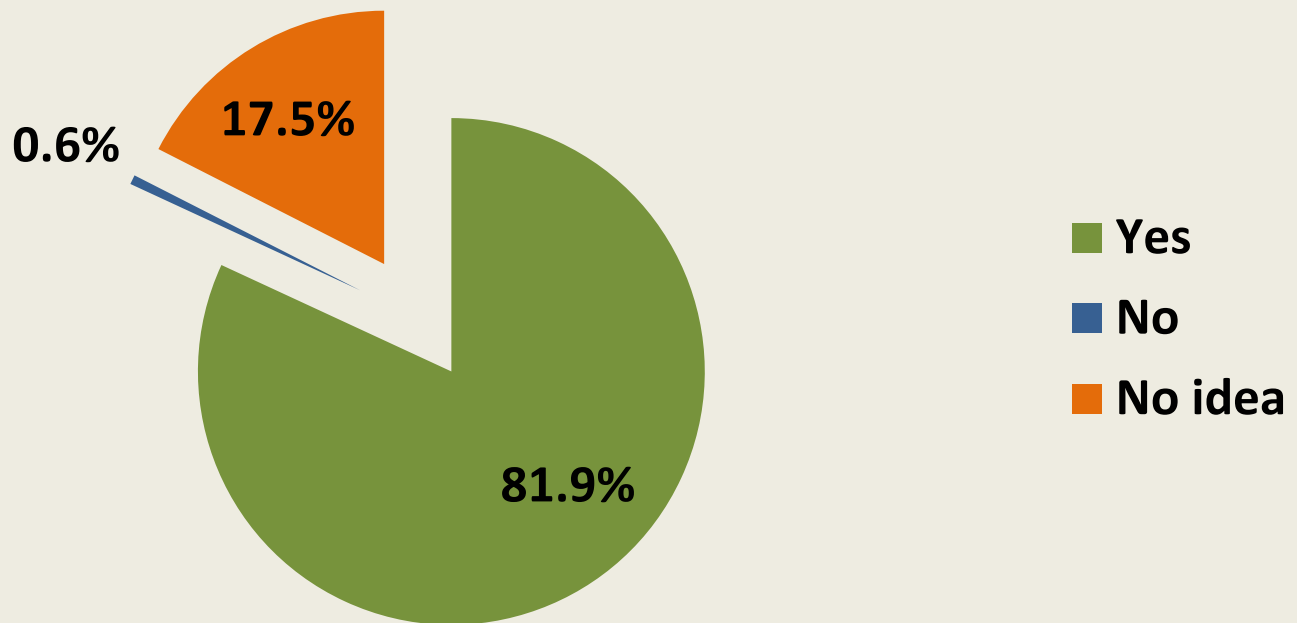
Response rate 46.8%

Do you believe that Evidence Based Dentistry should be taught in



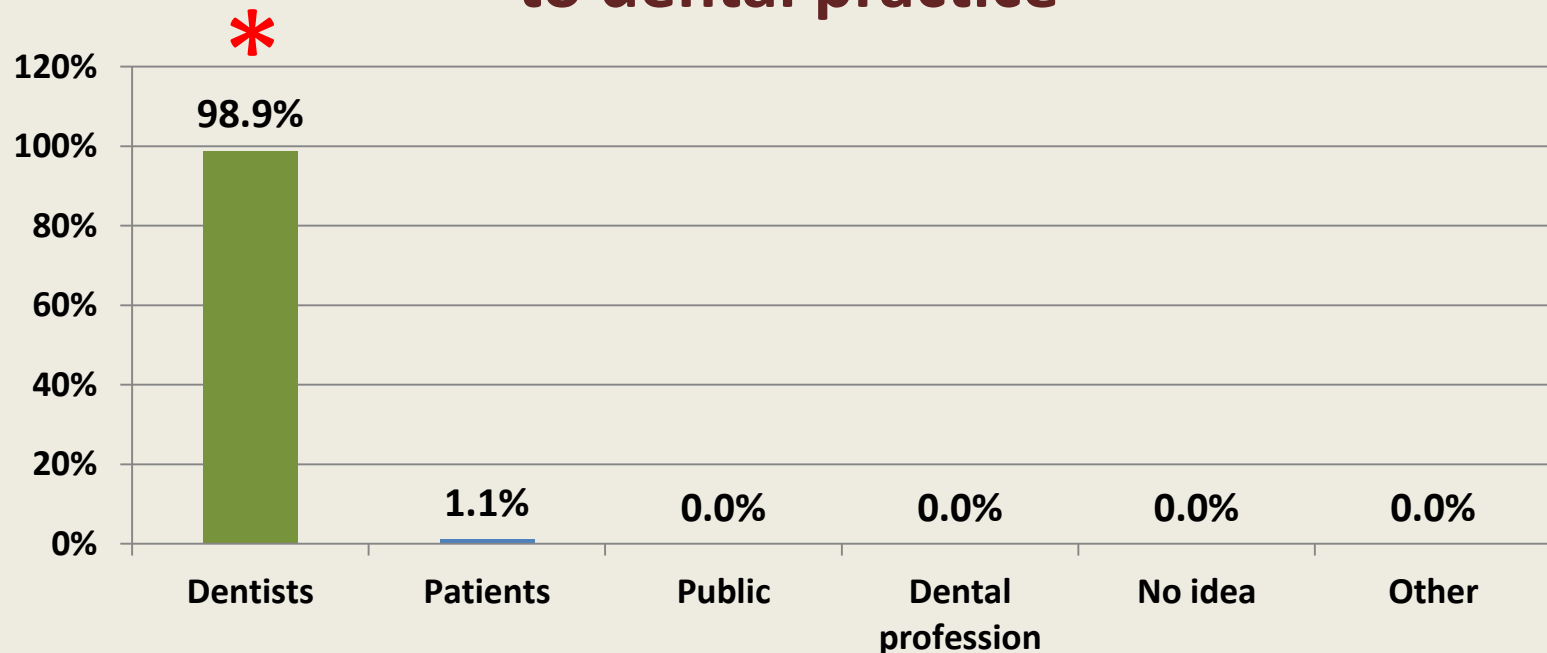
Response rate 46.8%

Do you believe that generally Evidence Based Dentistry is beneficial



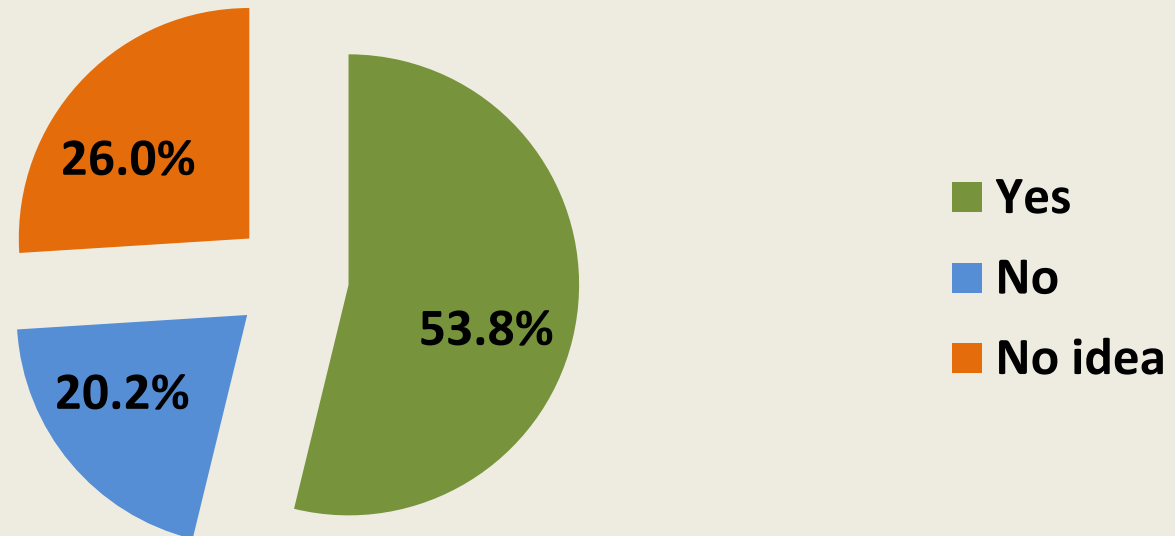
Response rate 91.2%

If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice



Response rate 51.1%

Do you believe that dentists experience difficulties in implementing evidence based dentistry into practice?



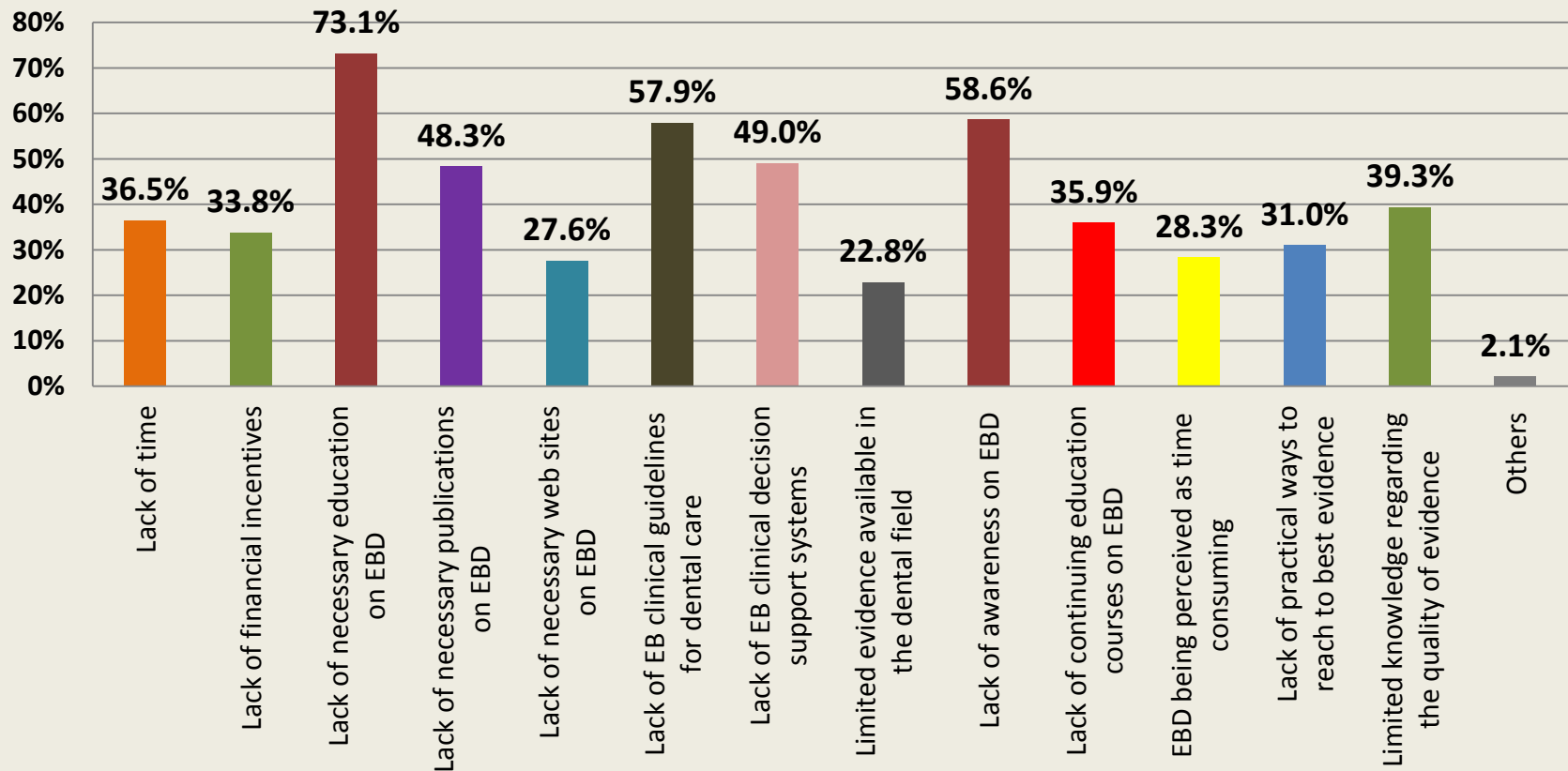
Response rate 98.8%

If yes, what are the barriers to implementation of Evidence Based Dentistry into practice? (more than one option)

NO	RATE	ANSWERS
1	36.5%	Lack of time
2	33.8%	Lack of financial incentives
3	73.1%	Lack of necessary education on evidence based dentistry
4	48.3%	Lack of necessary publications on evidence based dentistry
5	27.6%	Lack of necessary web sites on evidence based dentistry
6	57.9%	Lack of evidence-based clinical guidelines for dental care
7	49%	Lack of evidence-based clinical decision support systems
8	22.8%	Limited evidence available in the dental field
9	58.6%	Lack of awareness on evidence based dentistry
10	35.9%	Lack of continuing education courses on evidence based dentistry
11	28.3%	Evidence based dentistry being perceived as time consuming
12	31%	Lack of practical ways to reach to best evidence
13	39.3%	Limited knowledge regarding the quality of evidence (appraisal of evidence)
14	2.1%	Others

Response rate: 41.2%

What are the barriers to implementation of evidence based dentistry into practice? (more than one option)



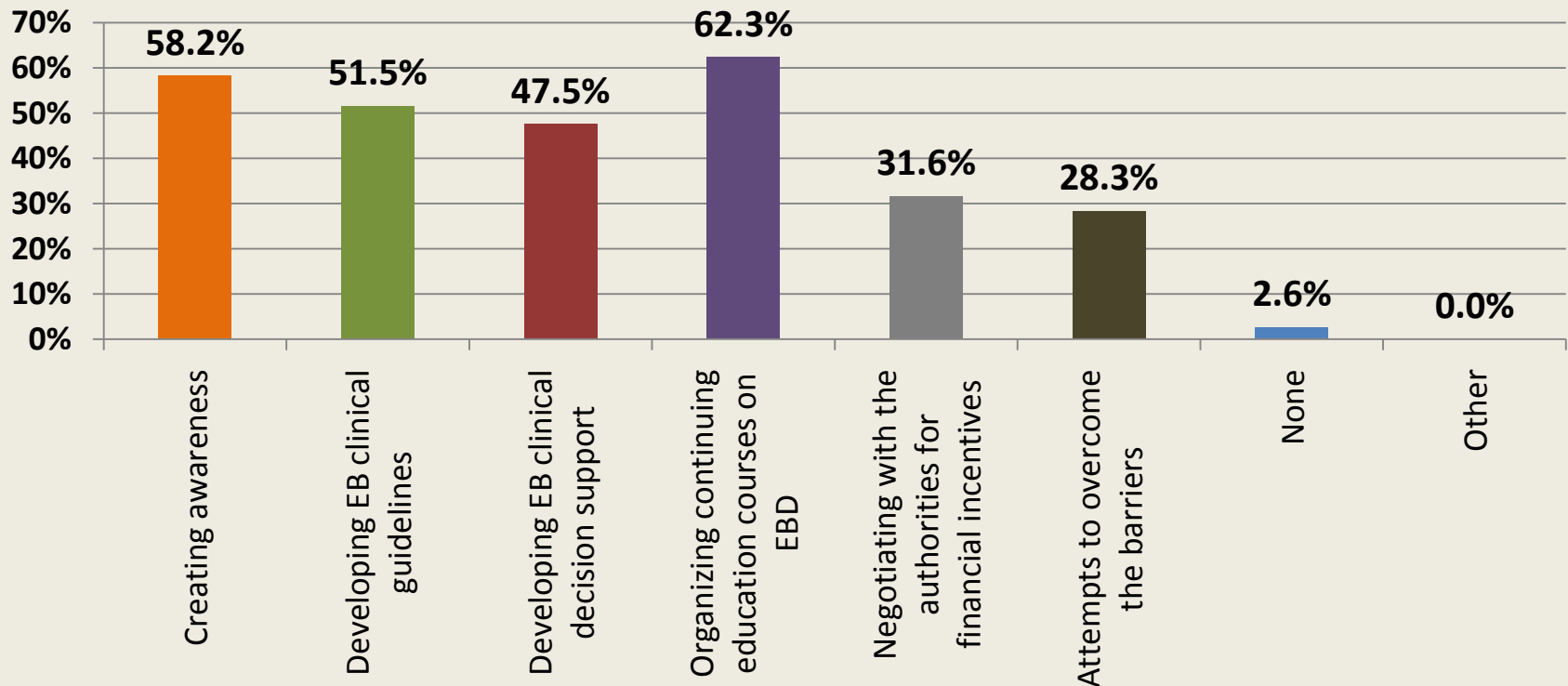
Response rate 41.2%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)

NO	RATE	ANSWERS
1	58.2%	Creating awareness
2	51.5 %	Developing evidence based clinical guidelines
3	47.5%	Developing evidence based clinical decision support systems
4	62.3%	Organizing continuing education courses on evidence based dentistry
5	31.6%	Negotiating with the authorities for financial incentives to foster implementation of evidence based dentistry into practice
6	28.3%	Attempts to overcome the barriers to implementation of evidence based dentistry into practice
7	2.6%	None
8	0%	Other

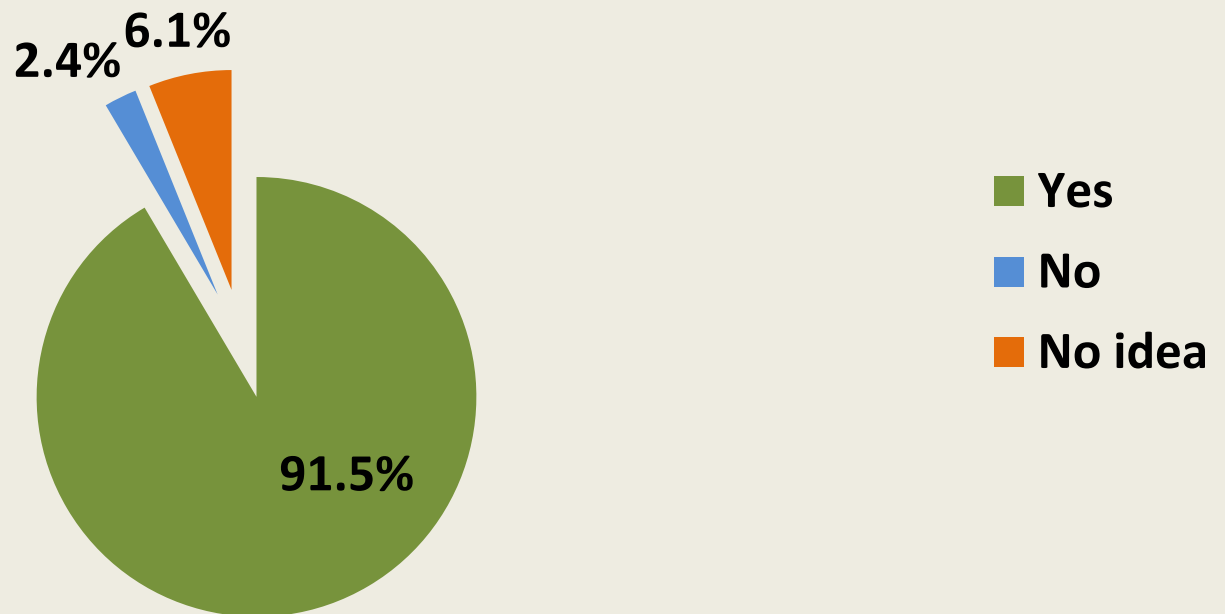
Response rate: 84.4%

***What is the Role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice?
(more than one option)***



Response rate 84.4%

Do you believe that dental faculties and National Dental Associations can collaborate for implementation of Evidence Based Dentistry into practice?



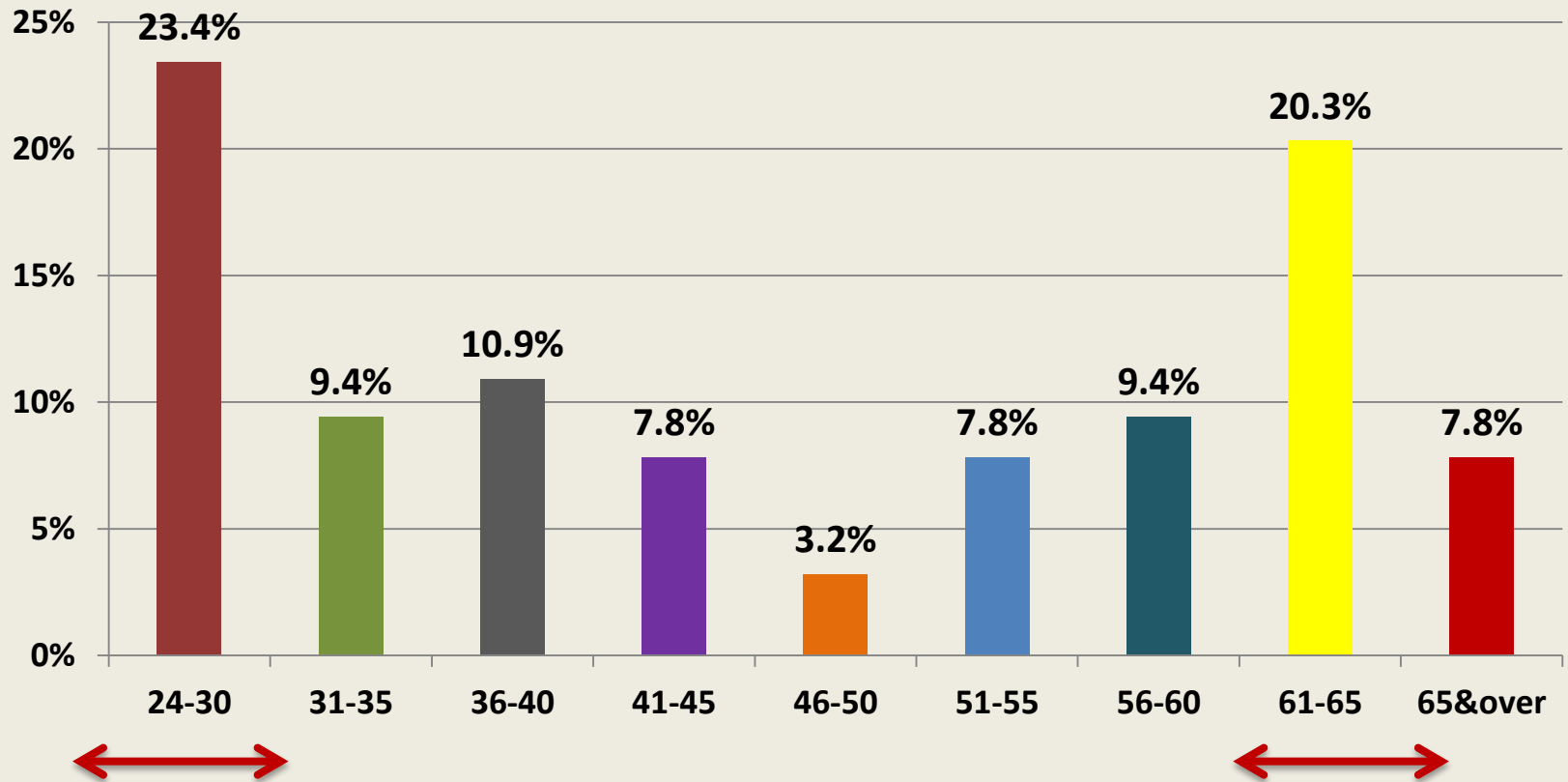
Response rate 83.2%

Slovakia

Publish Date :

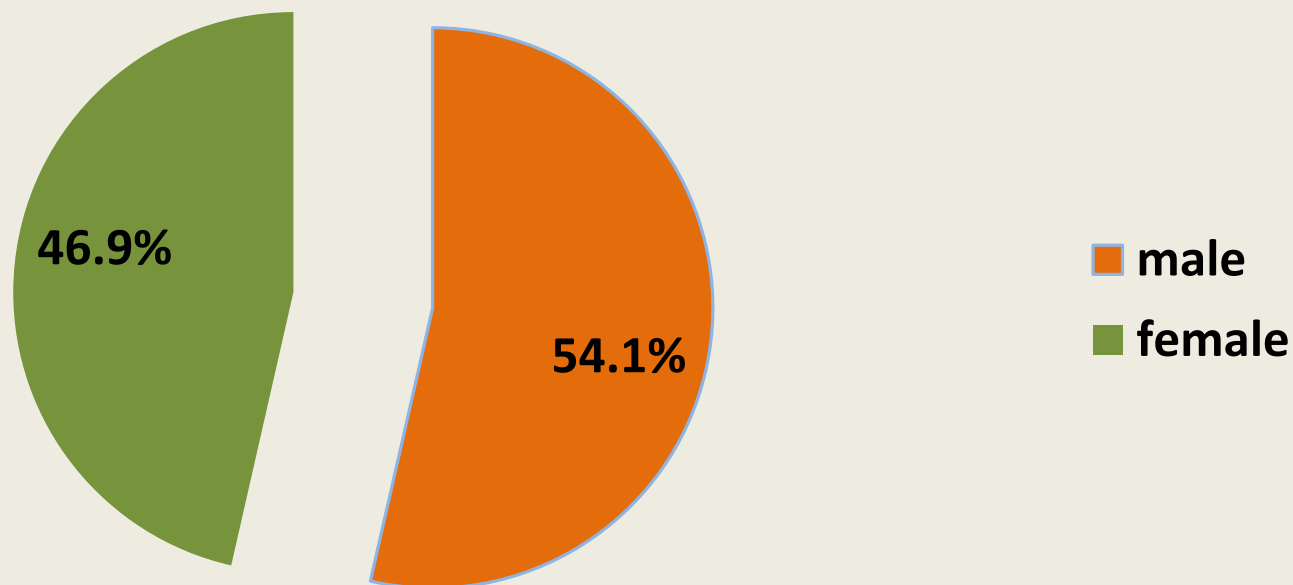
Turnout : Participants 64

Age



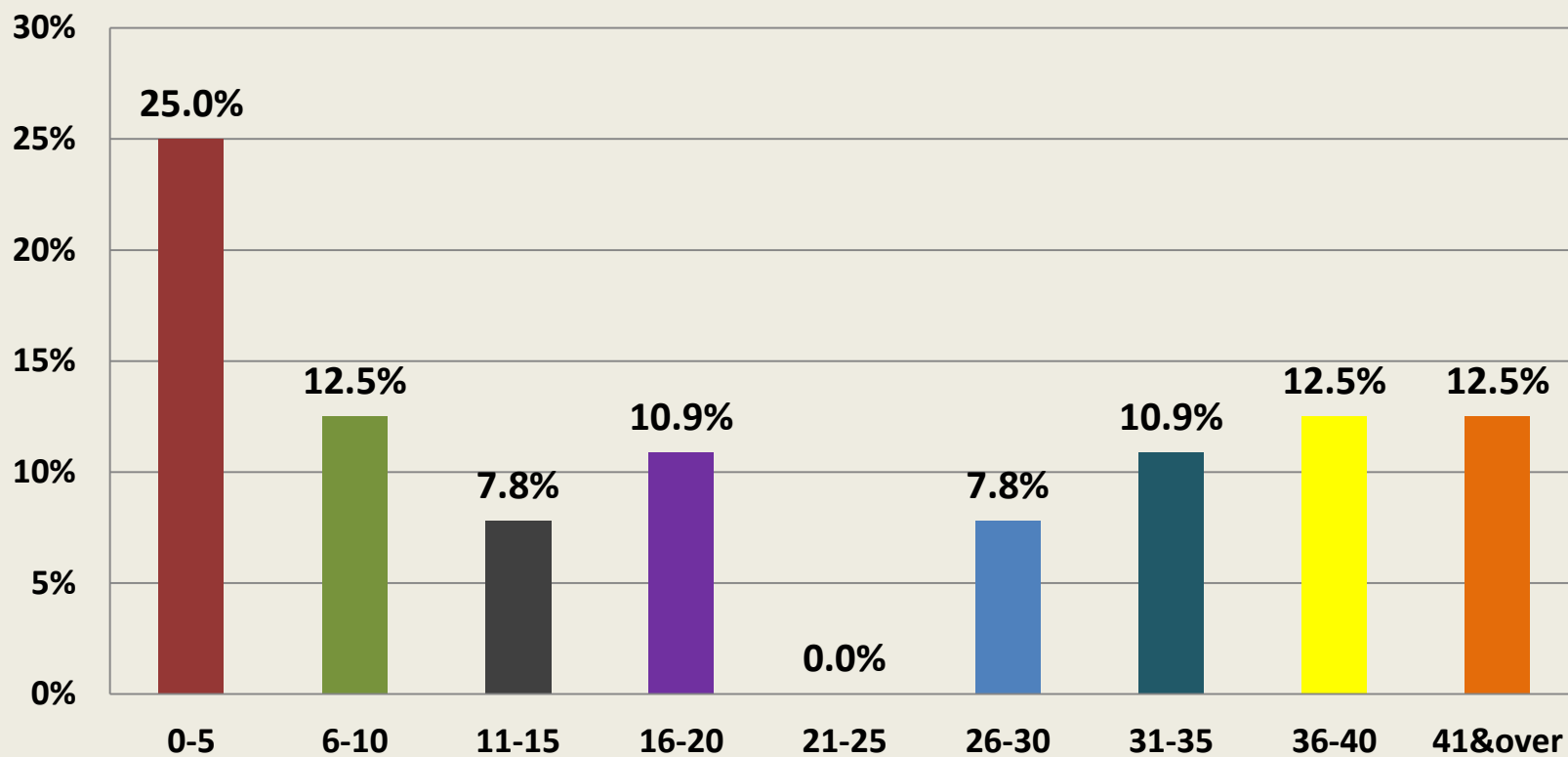
Response rate: 100%

Gender



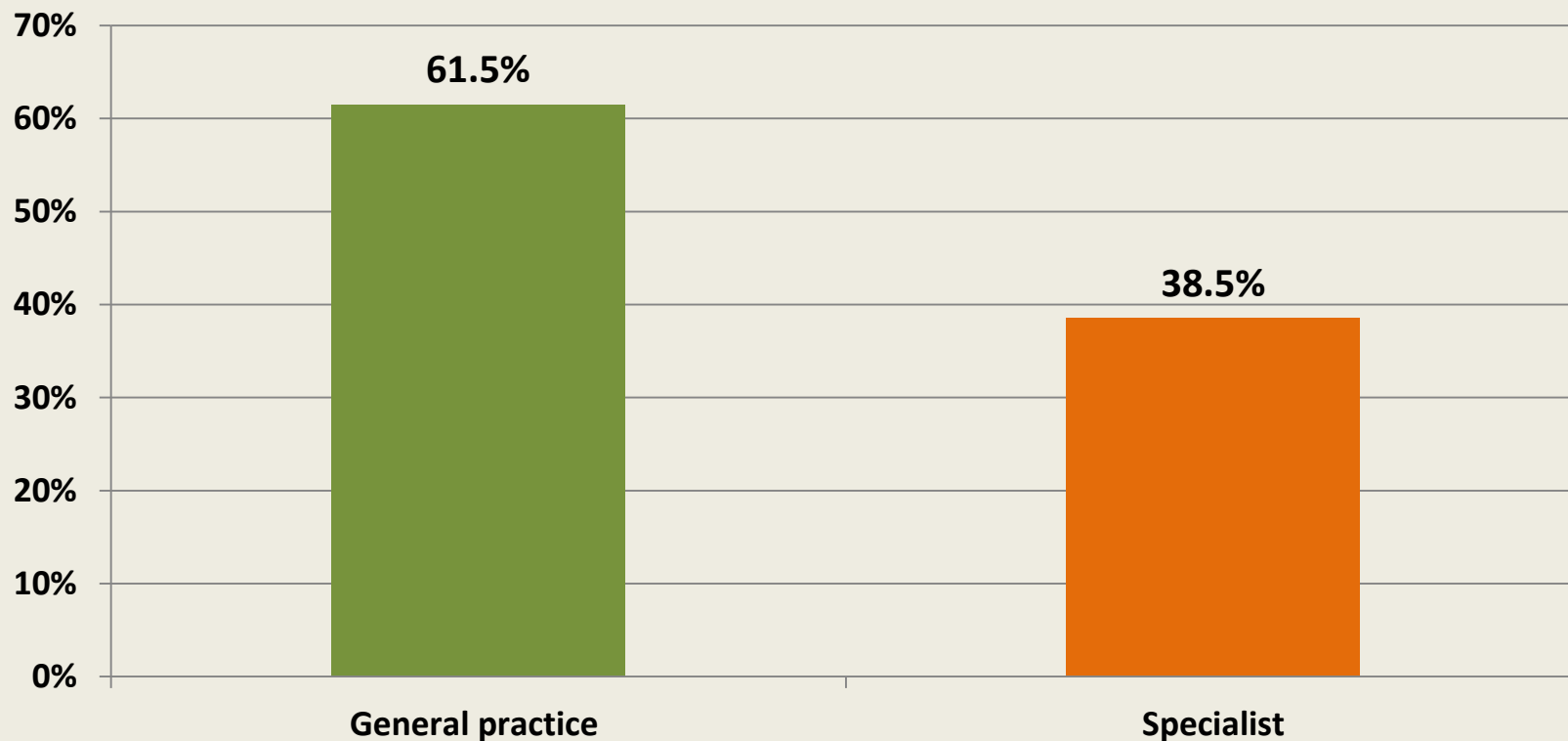
Response rate 100%

Years in practice



Response rate: 100%

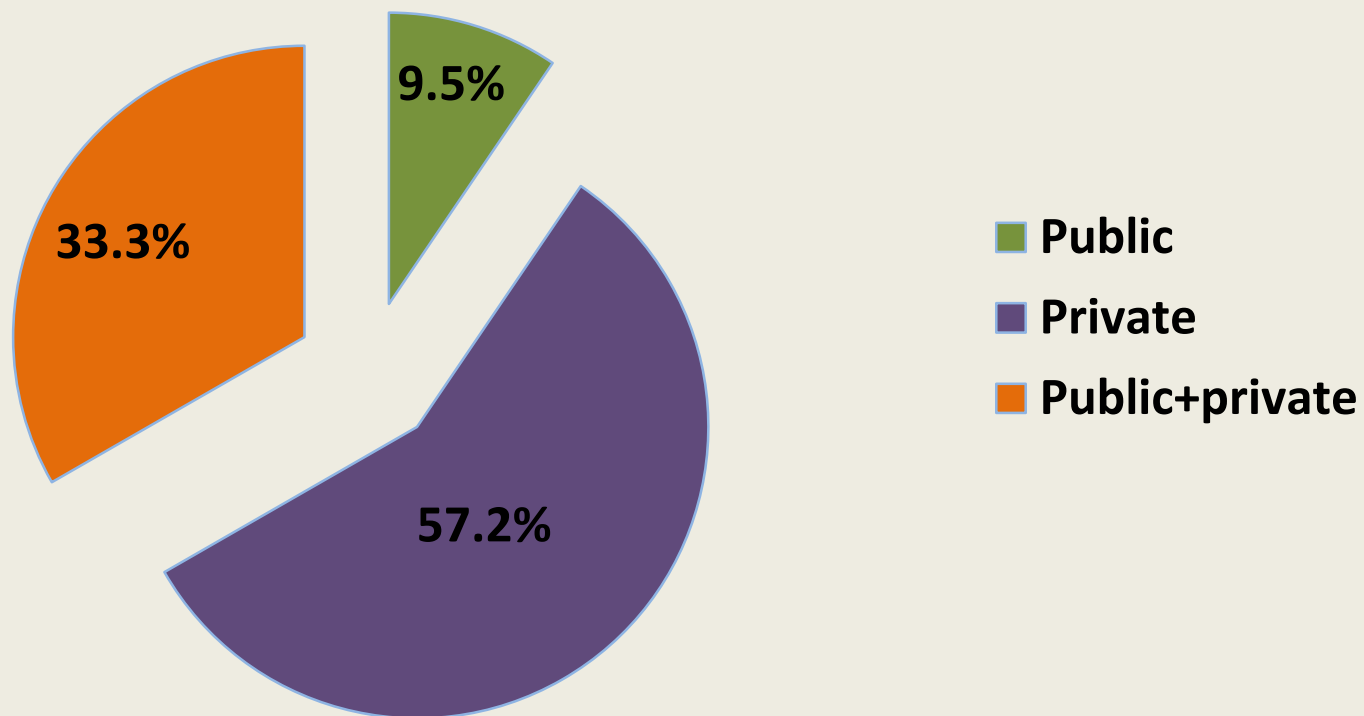
Mode of practice



Response rate: 87.5%

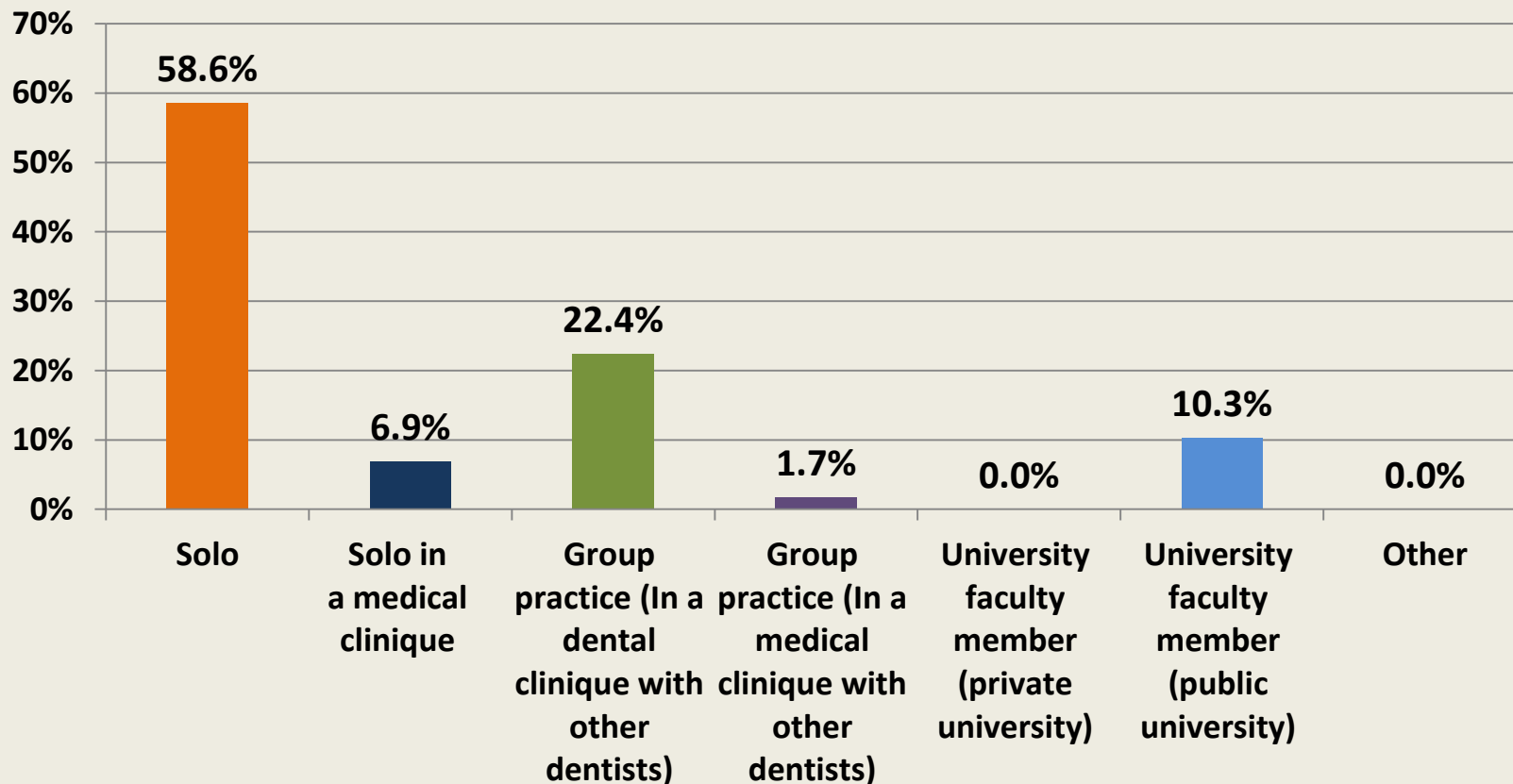
** 4 participants who selected both "kind of practice" options were excluded from evaluation*

Mode of practice



Response rate: 98.4%

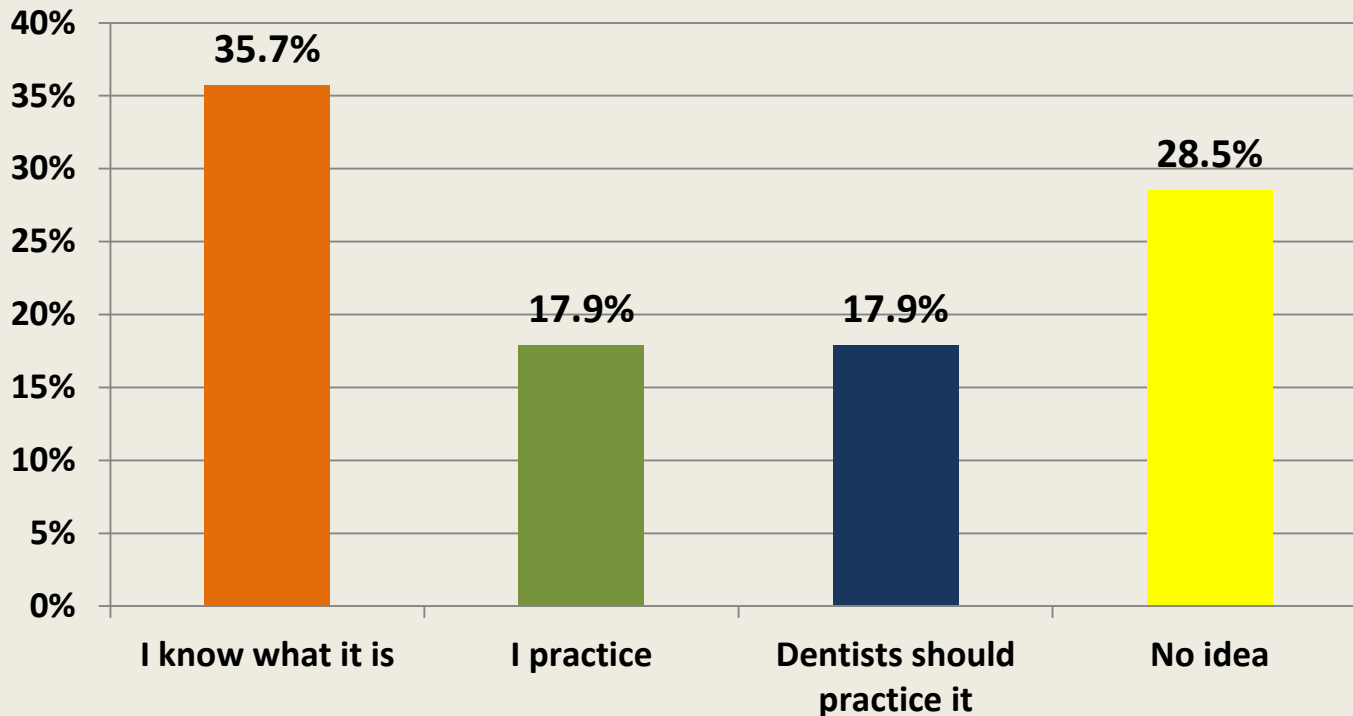
Mode of practice



Response rate: 98.4%

*** 5 participants who selected more than one options were excluded from evaluation**

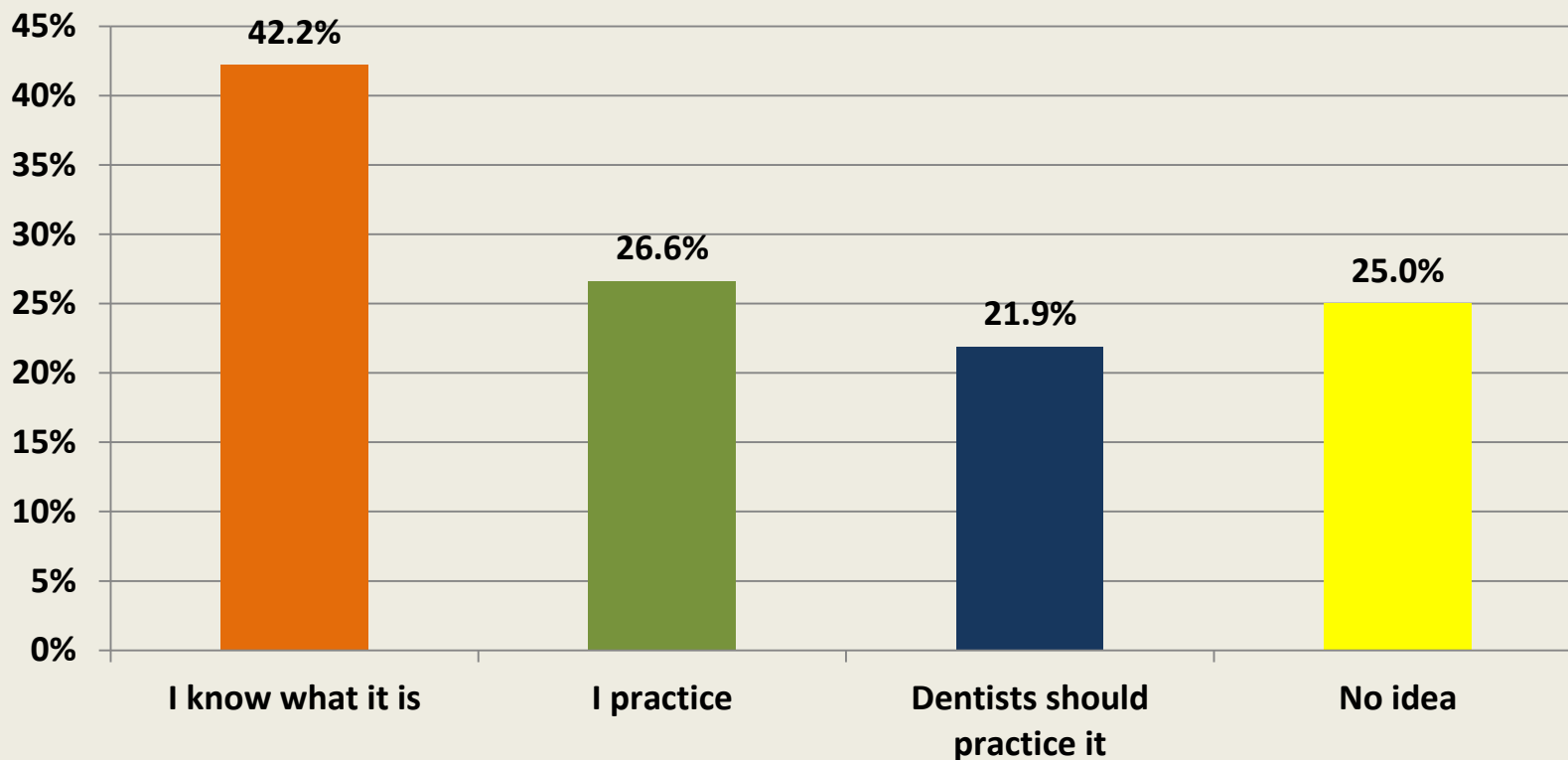
About Evidence Based Dentistry - A



Response rate: 100%

*** 8 participants who selected more than one options were excluded from evaluation**

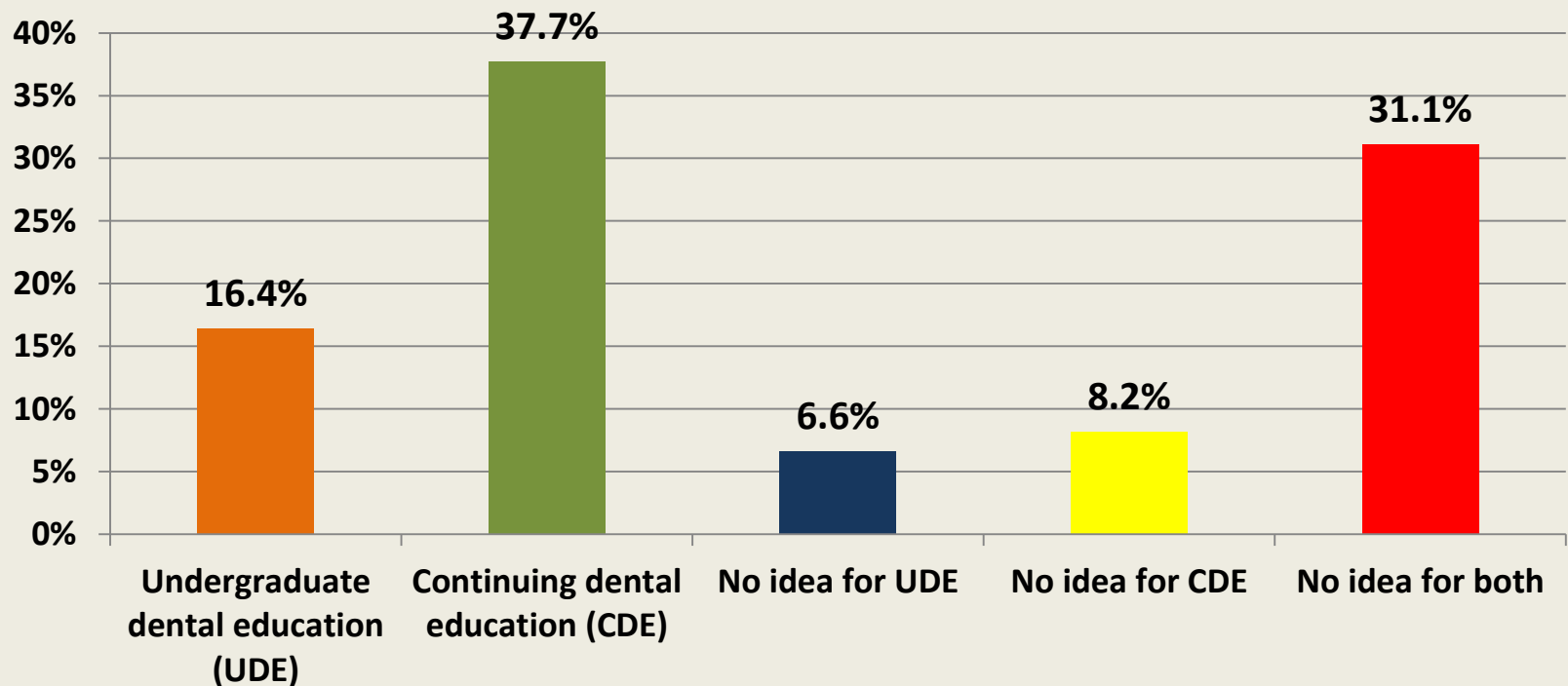
About Evidence Based Dentistry - B



Response rate: 100%

*** 8 participants who selected more than one options were included in the evaluation**

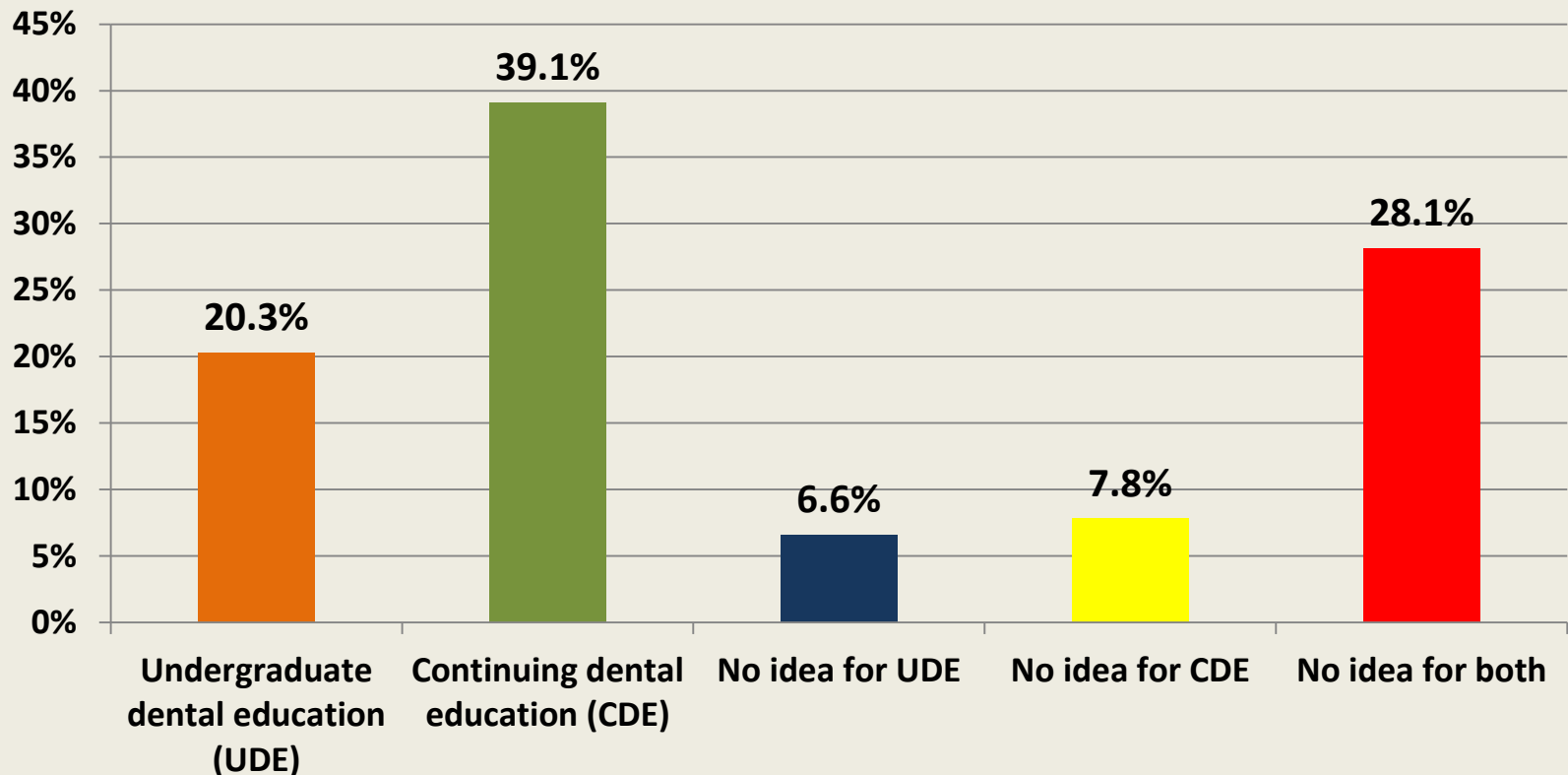
Has Evidence Based Dentistry taught you in - A



Response rate: 100%

*** 3 participants who selected more than one options were excluded from evaluation**

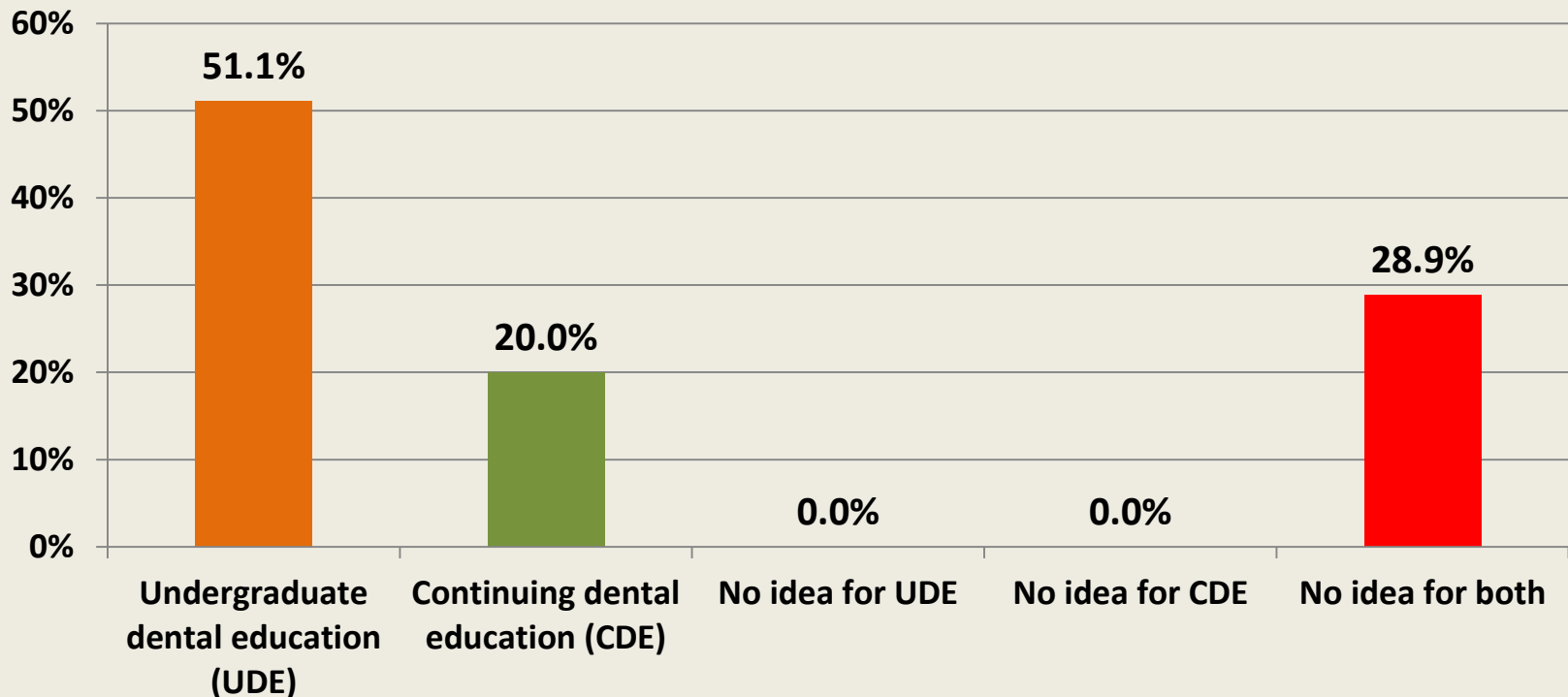
Has Evidence Based Dentistry been taught to you in - B



Response rate: 100%

*** 3 participants who selected more than one options were included in the evaluation**

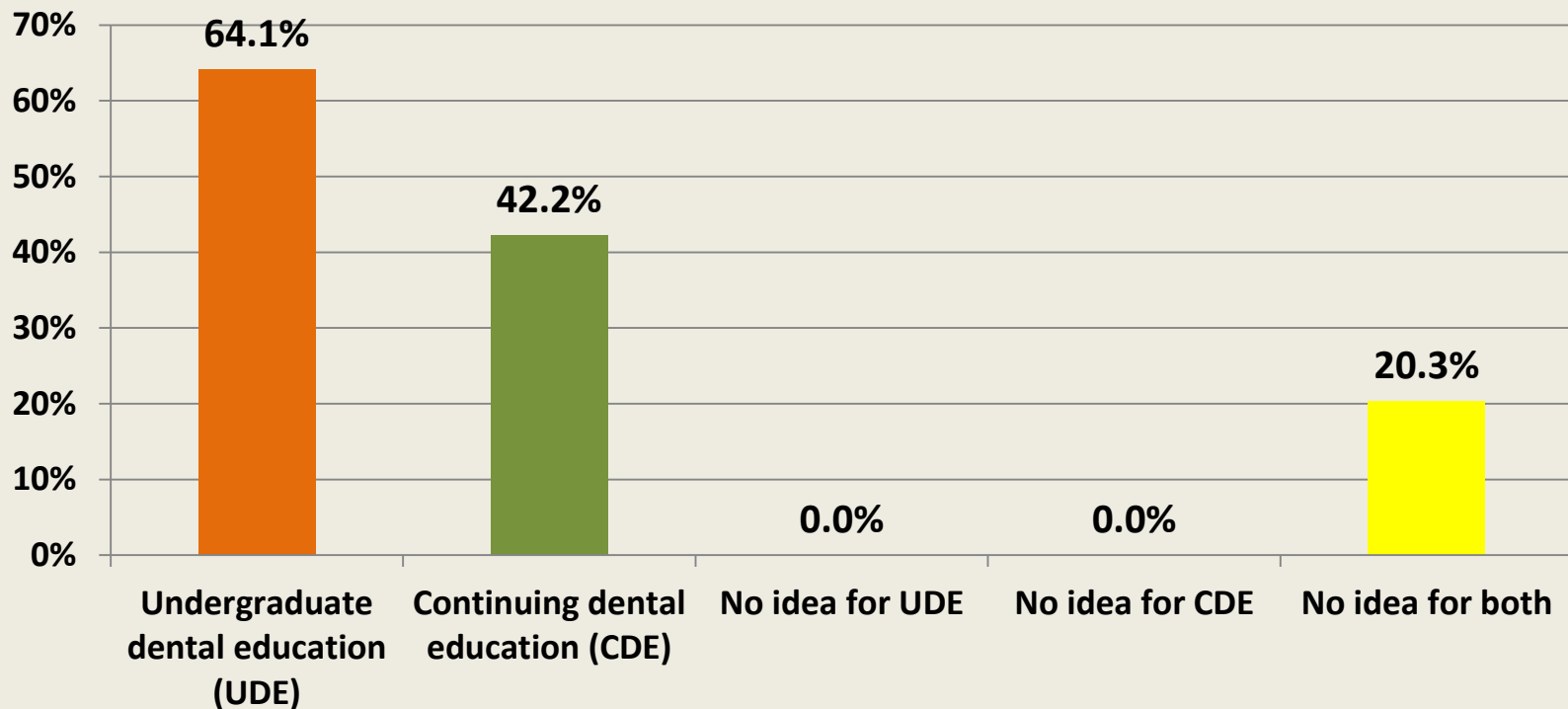
Dou you believe that Evidence Based Dentistry should be taught in - A



Response rate: 100%

** 18 participants who selected more than one options were excluded from evaluation*

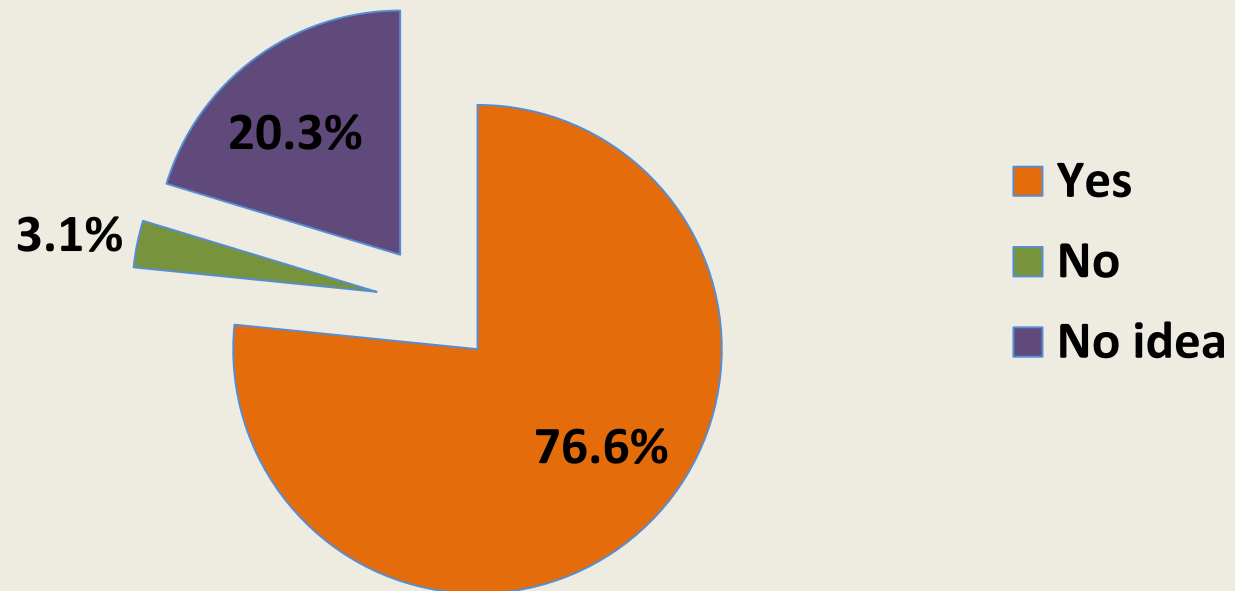
Dou you believe that Evidence Based Dentistry should be taught in - B



Response rate: 100%

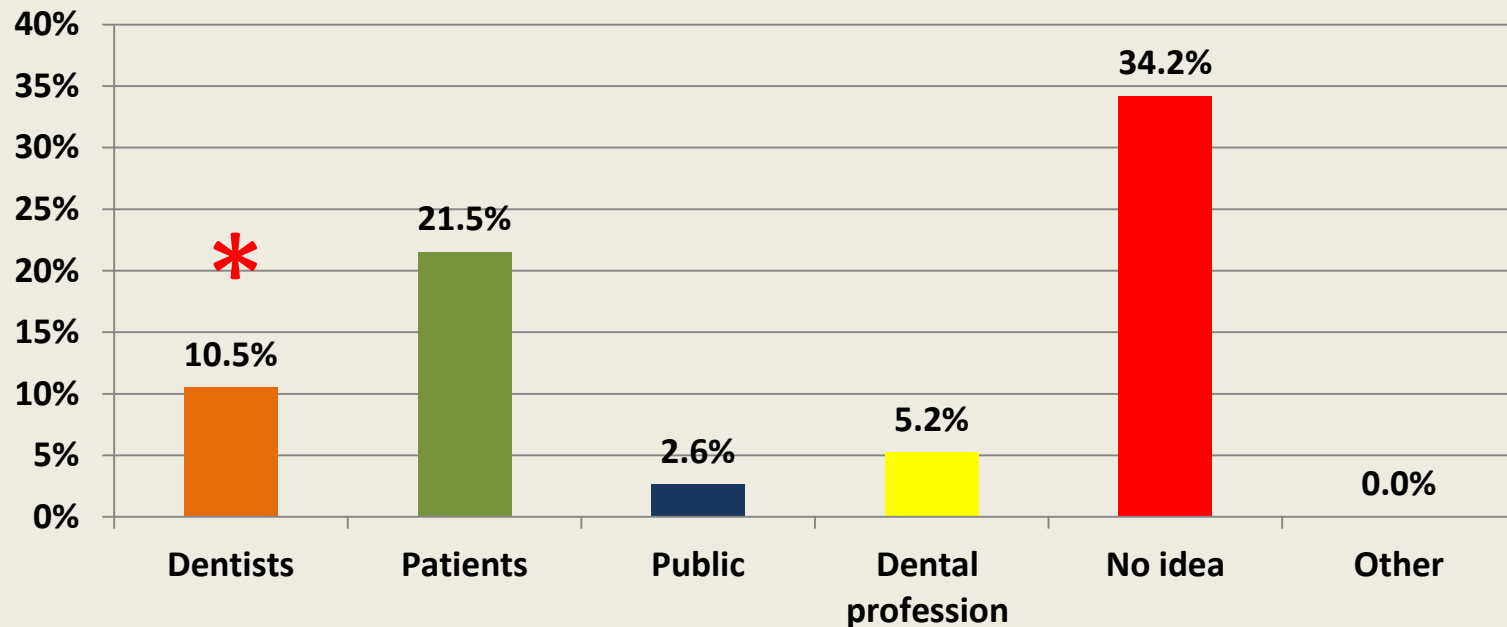
*** 18 participants who selected more than one options were included in the evaluation**

***Dou you believe that generally
Evidence Based Dentistry is beneficial***



Response rate 100%

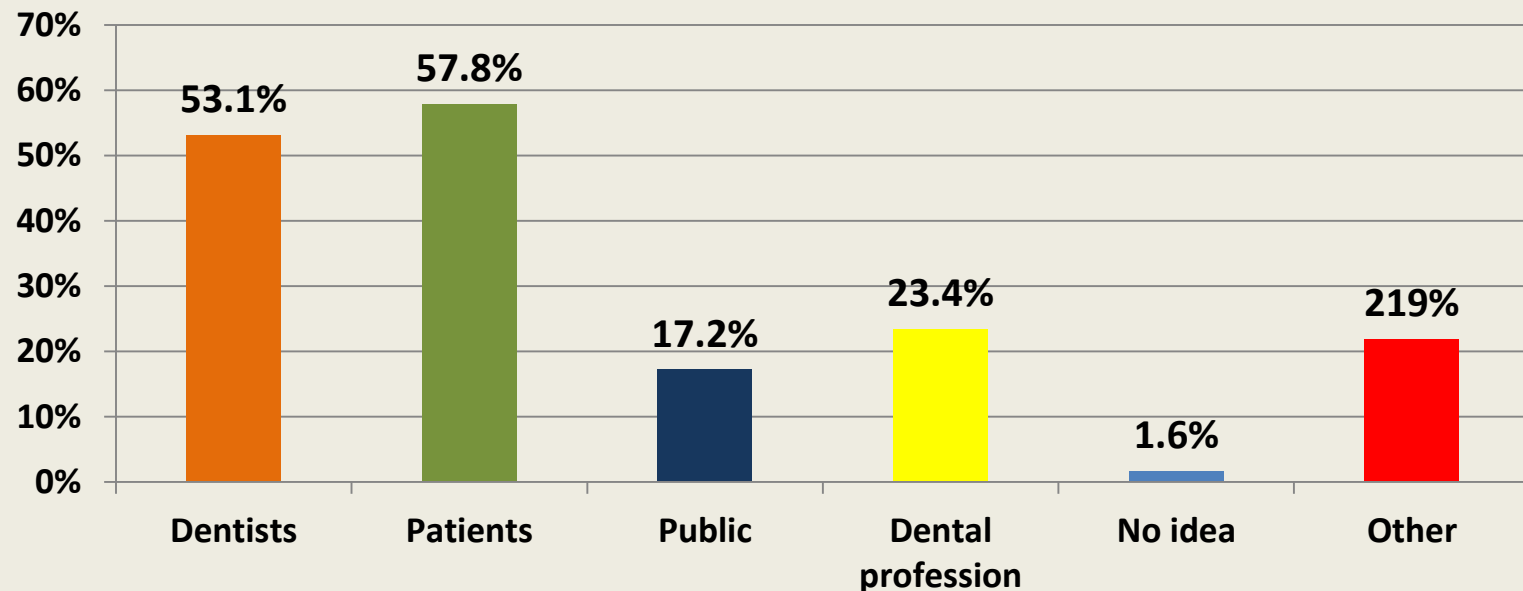
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice? - A



Response rate: 95.3%

** 33 participants who selected more than one options were excluded from evaluation*

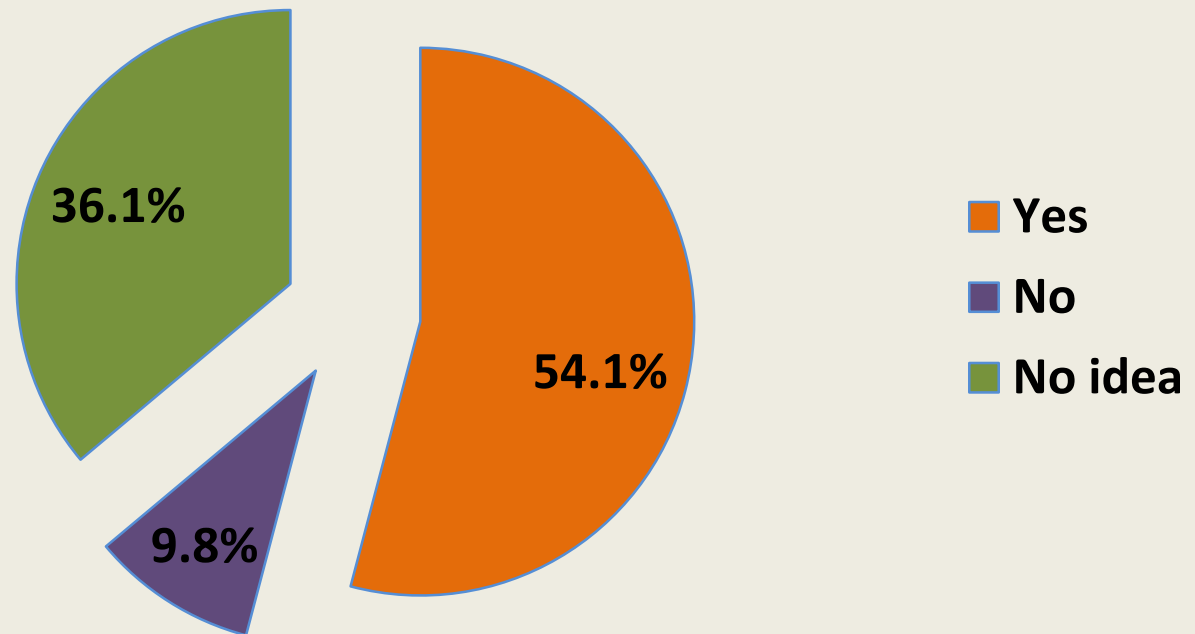
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice? - B



Response rate: 95.3%

**** 33 participants who selected more than one options were included in the evaluation***

***Do you believe that dentists experience
difficulties in implementing Evidence
Based Dentistry into practice***



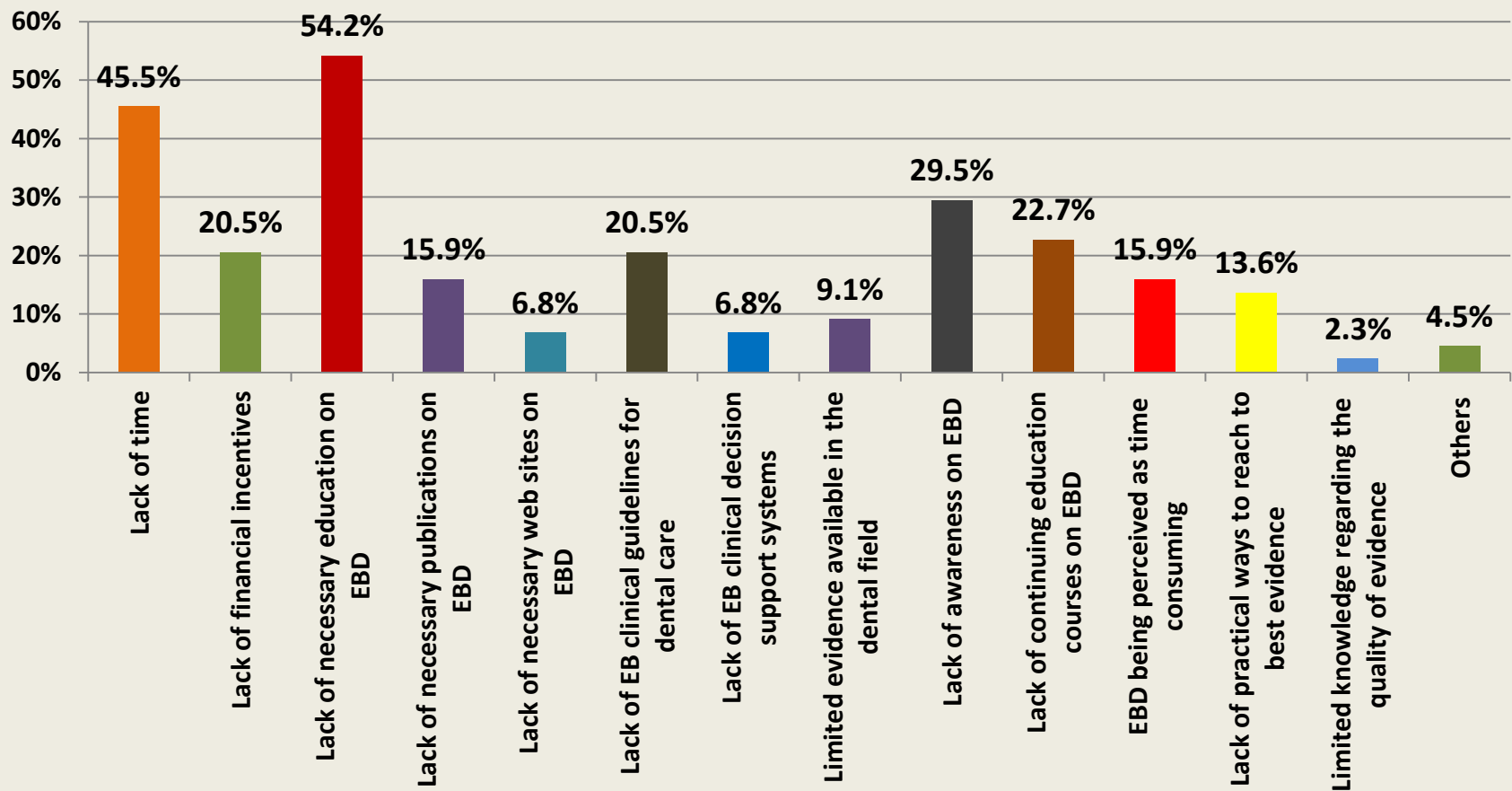
Response rate: 95.3%

If yes, what are the barriers to implementation of Evidence Based Dentistry into practice? (more than one option)

NO	RATE	ANSWERS
1	45.5%	Lack of time
2	20.5%	Lack of financial incentives
3	54.5%	Lack of necessary education on evidence based dentistry
4	15.9%	Lack of necessary publications on evidence based dentistry
5	6.8%	Lack of necessary web sites on evidence based dentistry
6	20.5%	Lack of evidence-based clinical guidelines for dental care
7	6.8%	Lack of evidence-based clinical decision support systems
8	9.1%	Limited evidence in the dental field
9	29.5%	Lack of awareness on evidence based dentistry
10	22.7%	Lack of continuing education courses on evidence based dentistry
11	15.9%	Evidence based dentistry being perceived as time consuming
12	13.6%	Lack of practical ways to reach to best evidence
13	2.3%	Limited knowledge regarding the quality of evidence (appraisal of evidence)
14	4.5%	Others

Response rate: 68.7%

*If yes, what are the barriers to implementation of Evidence Based Dentistry into practice?
(more than one option)*



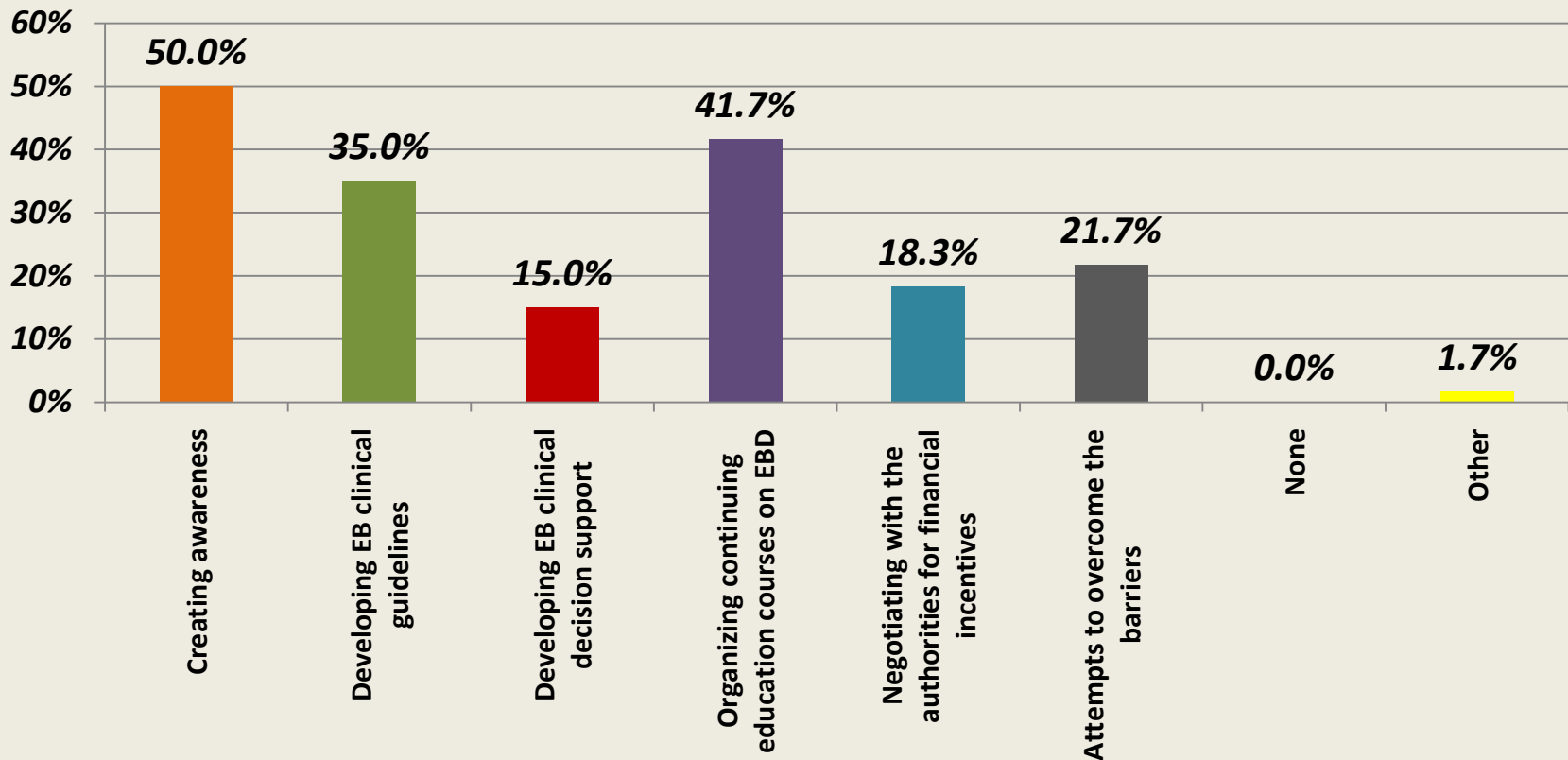
Response rate: 68.7%

**What is the role of National Dental Associations
in improvement of the implementation of
Evidence Based Dentistry in practice?
(more than one option)**

NO	RATE	ANSWERS
1	50%	Creating awareness
2	35%	Developing evidence based clinical guidelines
3	15%	Developing evidence based clinical decision support systems
4	41.7%	Organizing continuing education courses on evidence based dentistry
5	18.3%	Negotiating with the authorities for financial incentives to foster implementation of evidence based dentistry into practice
6	21.7%	Attempts to overcome the barriers to implementation of evidence based dentistry into practice
7	0	None
8	1.7%	Other

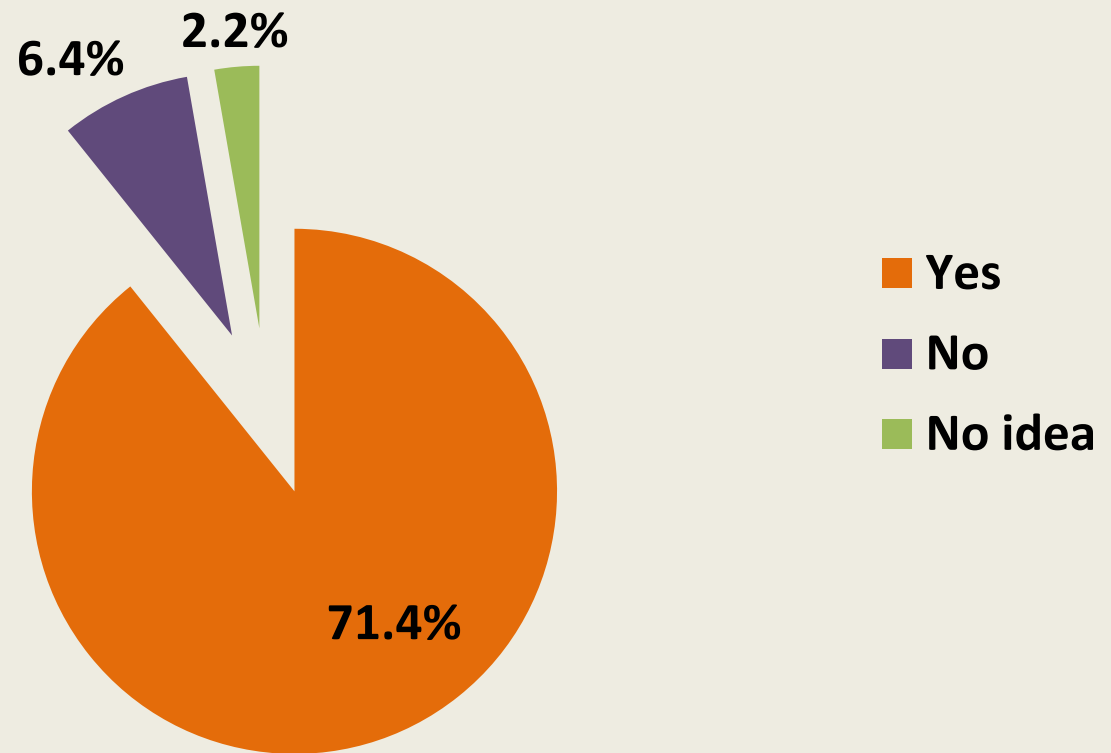
Response rate: 93.8%

***What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice?
(More than one option)***



Response rate: 93.8%

Do you believe that dental faculties and National Dental Associations can collaborate for implementation of Evidence Based Dentistry into practice



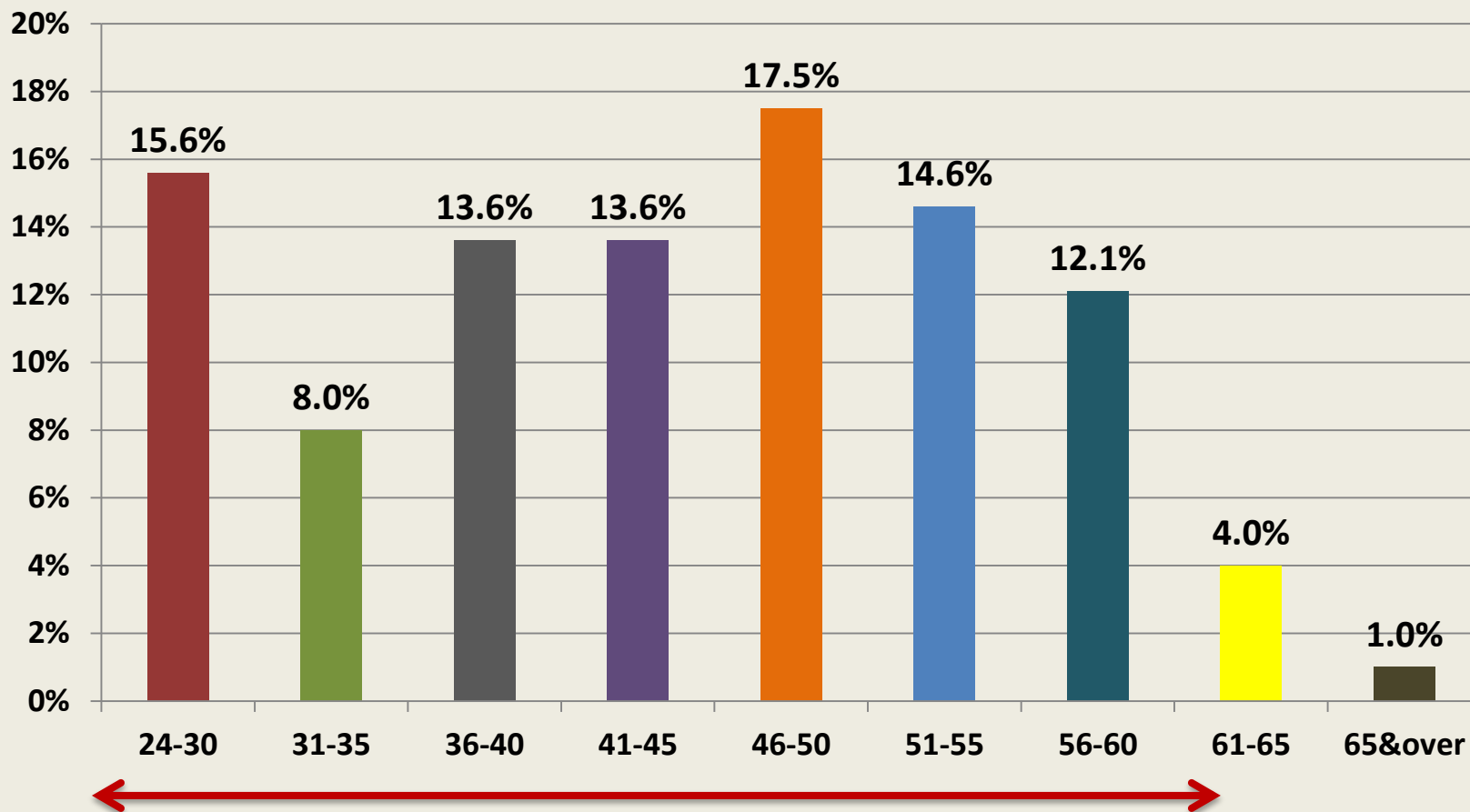
Response rate: 98.4%

Turkey

Publish Date : 25.10.2013 / 19.11.2013

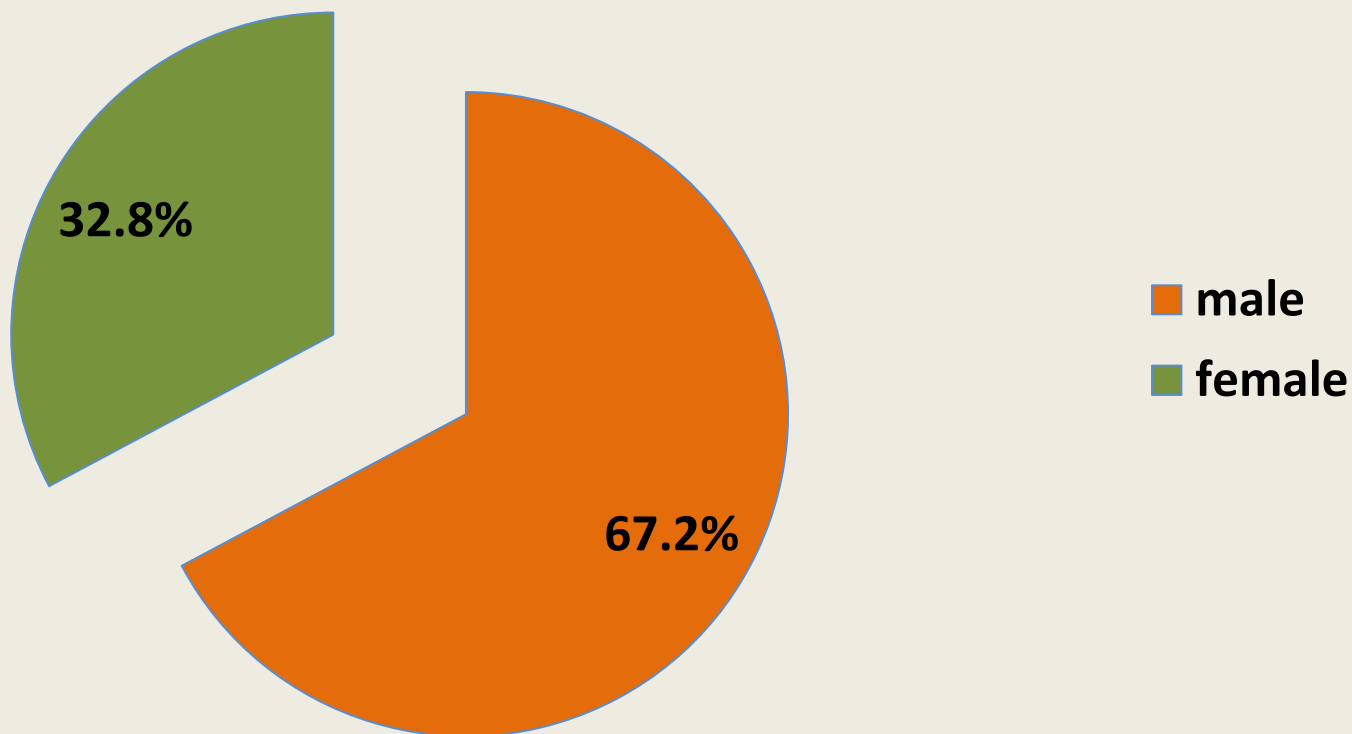
Turnout : 209 Participants

Age



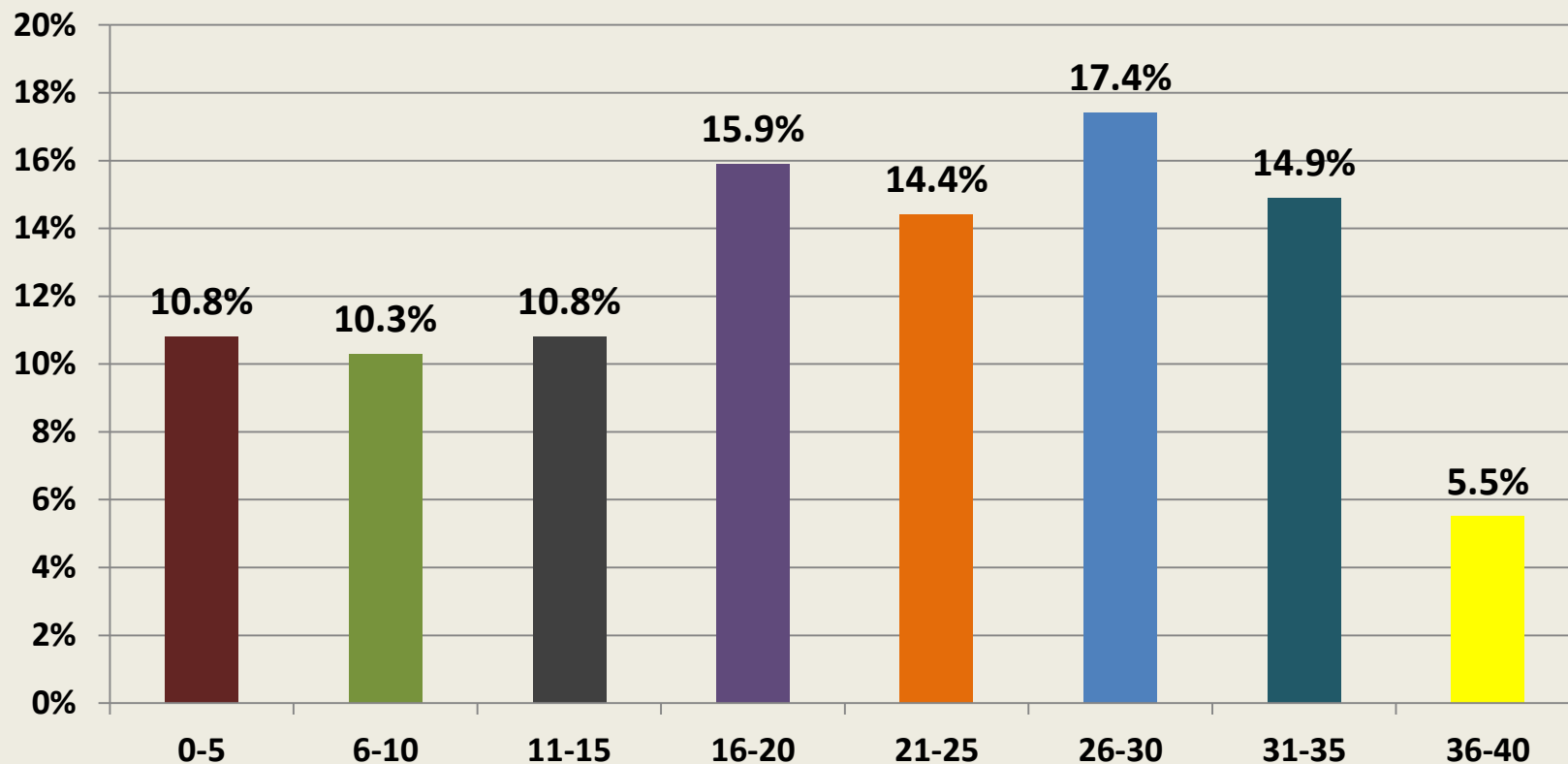
Response rate: 95.2%

Gender



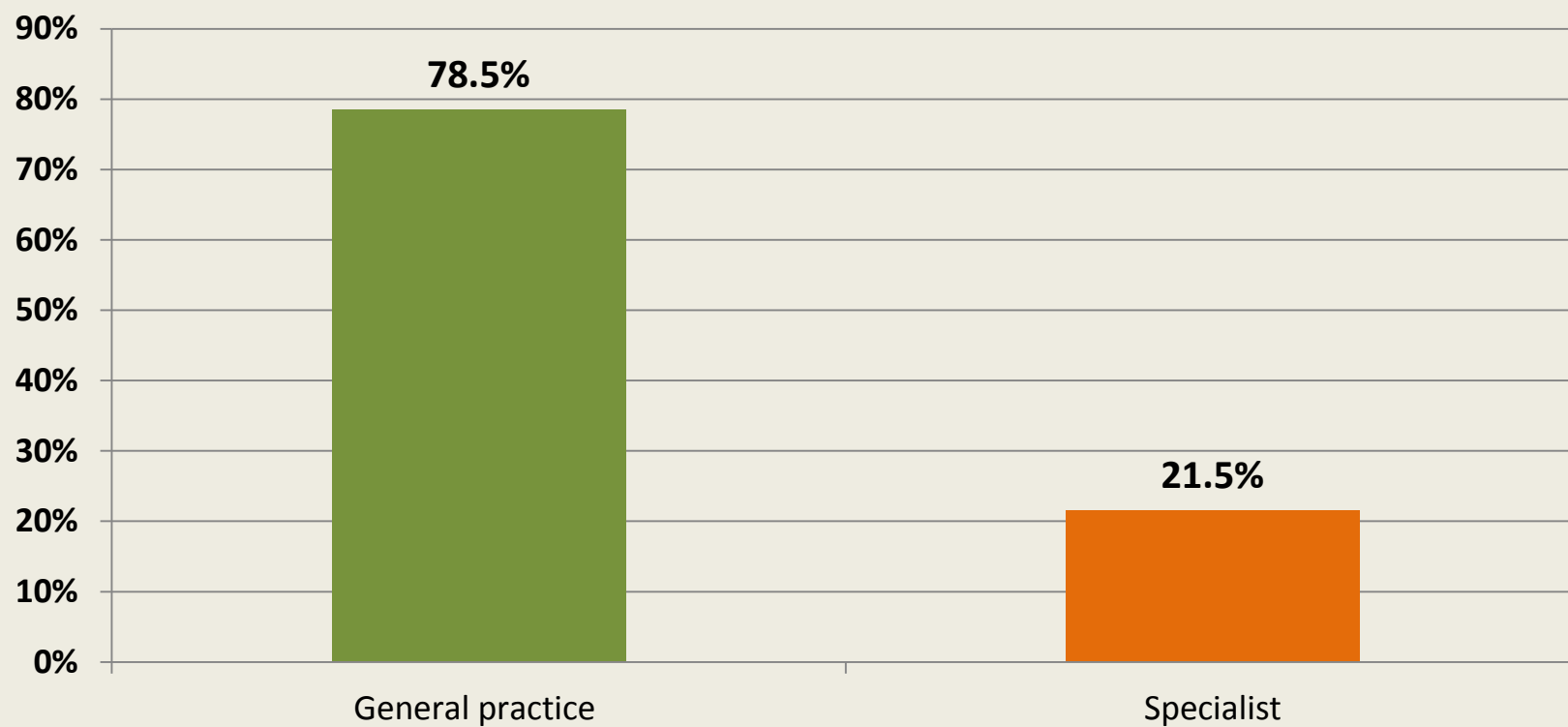
Response rate: 93.3%

Years in practice



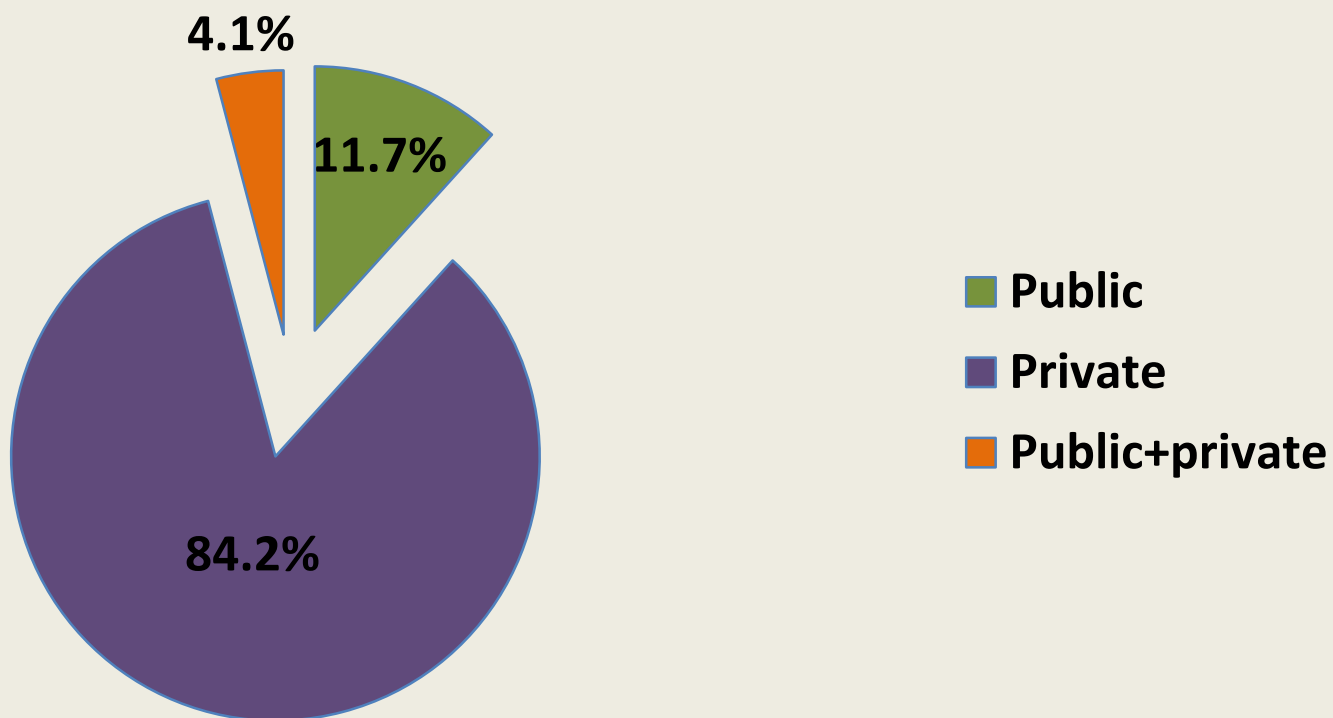
Response rate: 93.3%

Mode of practice



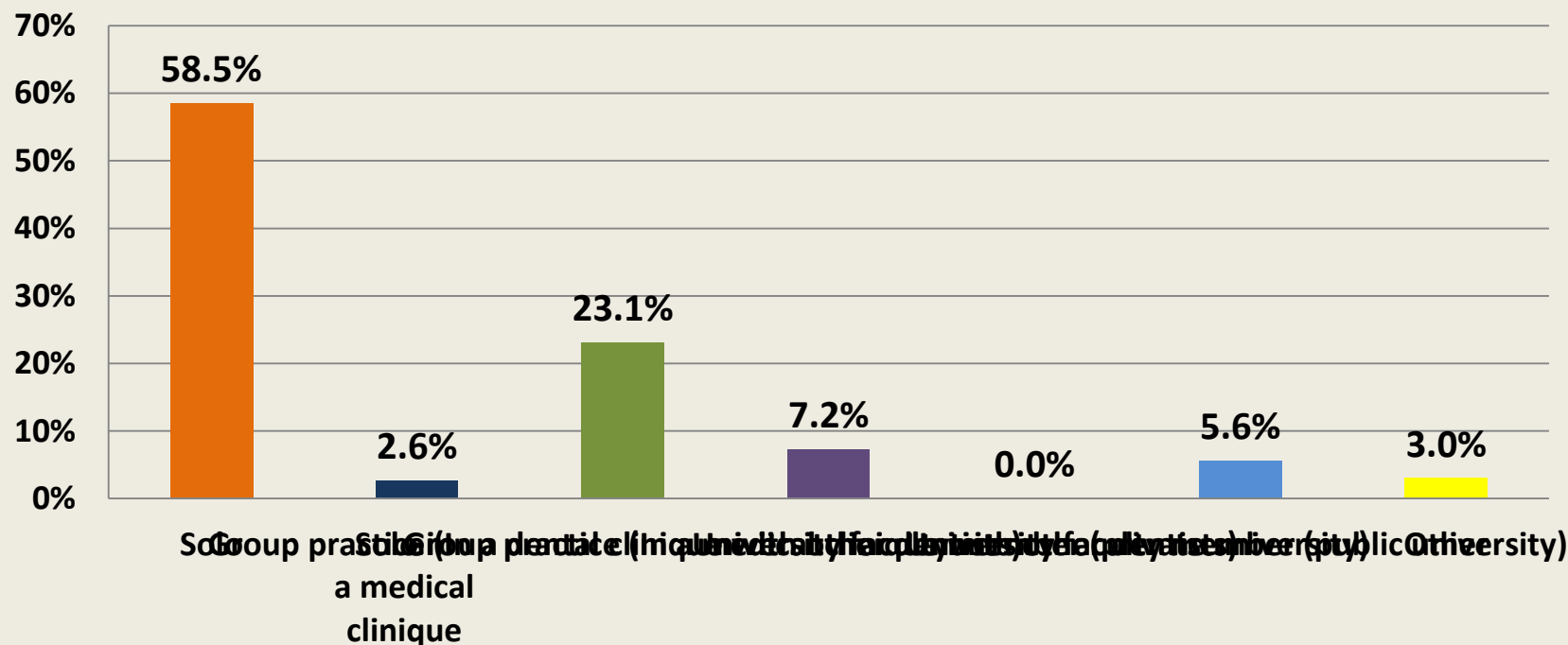
Response rate: 93.3%

Mode of practice



Response rate: 93.8%

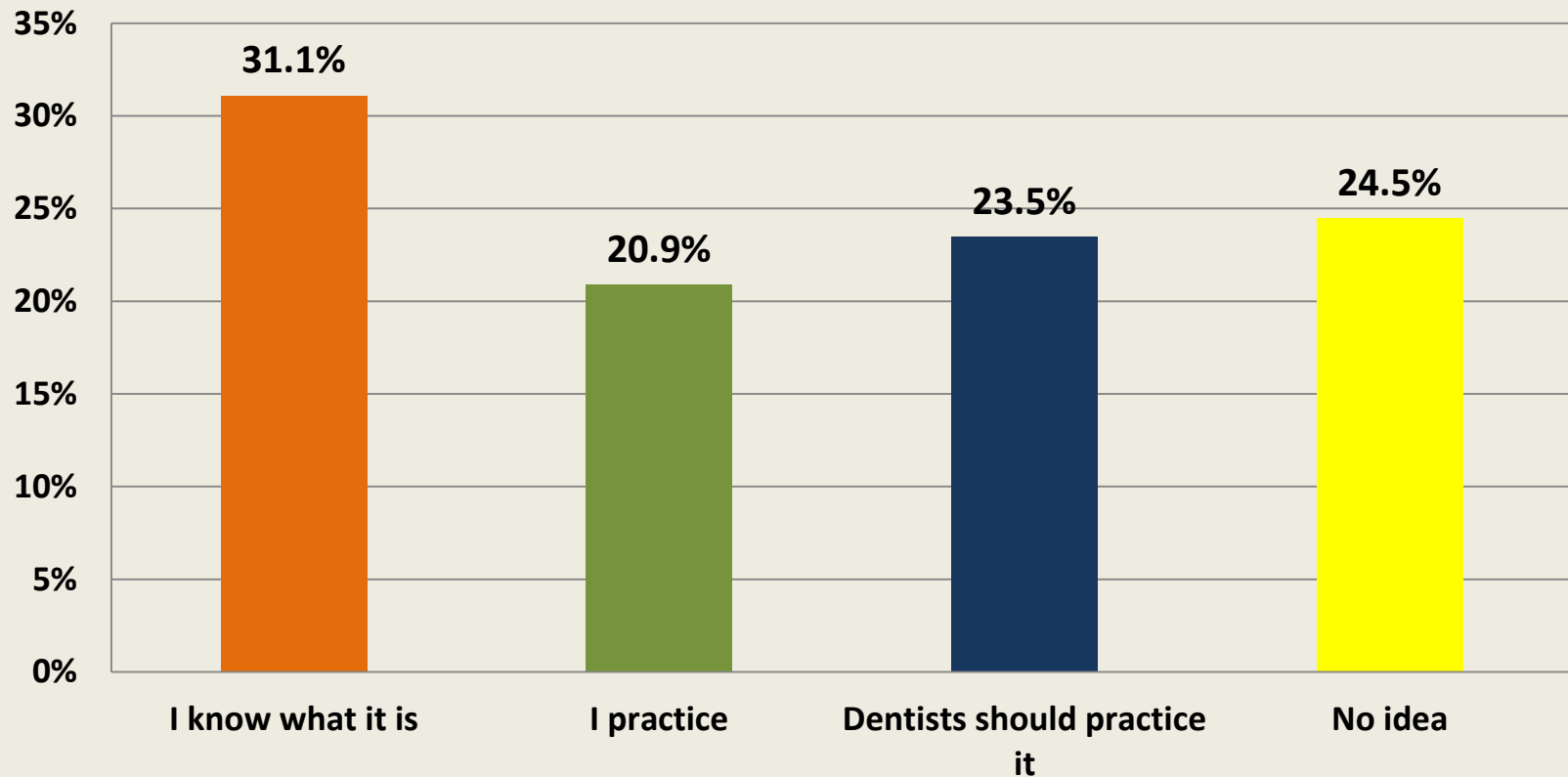
Mode of practice



Others: Oral health center; in a dental clinic with another dentist; in a public hospital

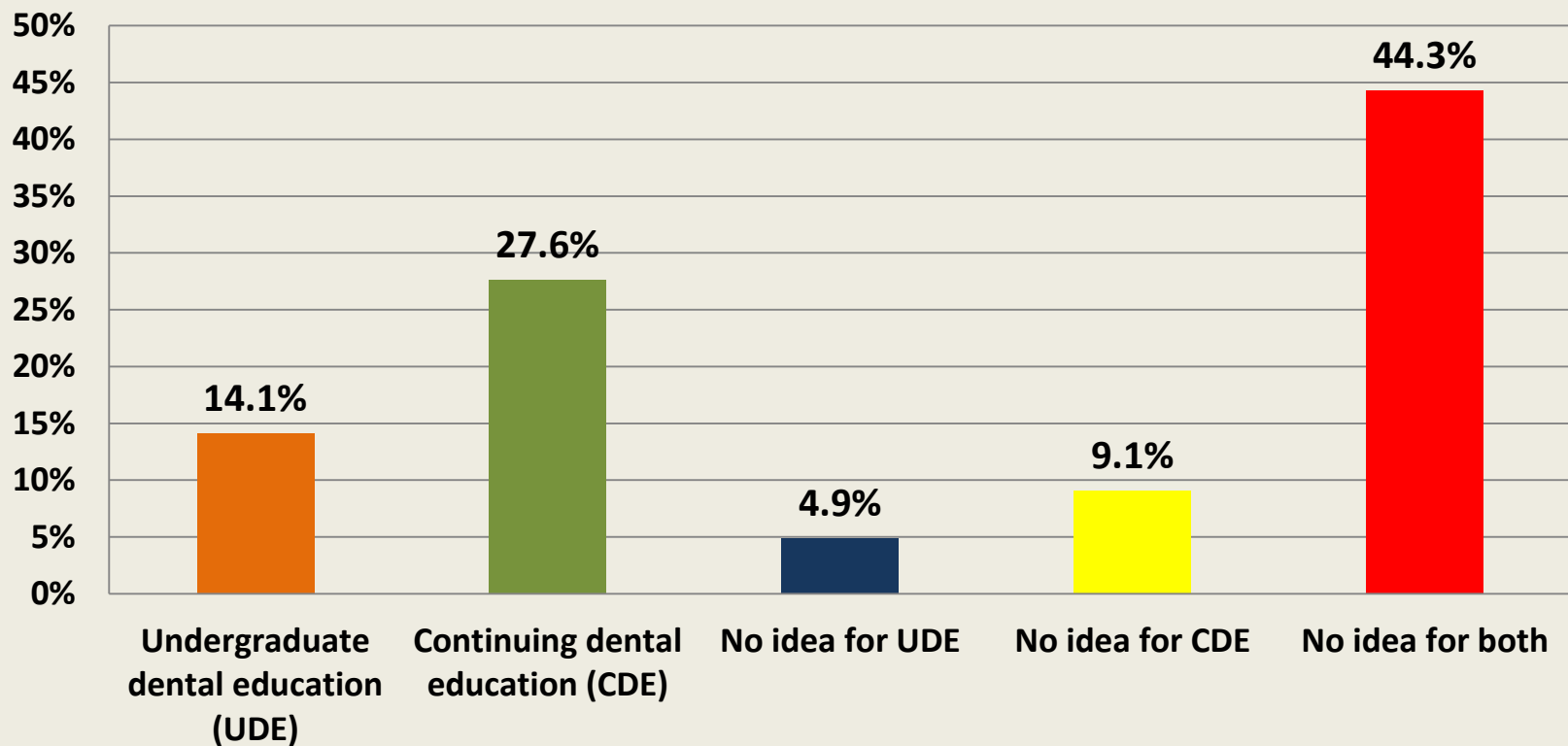
Response rate: 93.3%

About Evidence Based Dentistry



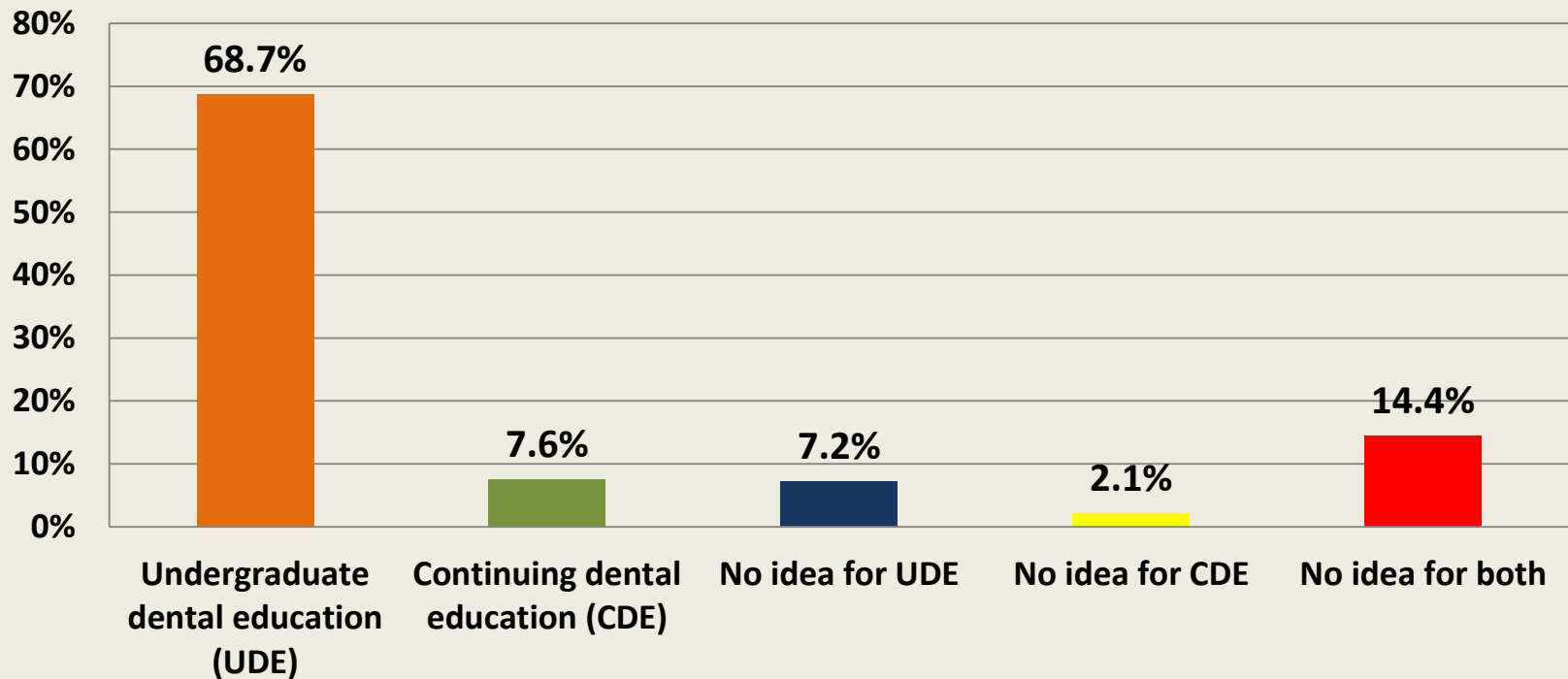
Response rate: 93.8%

Has Evidence Based Dentistry been taught to you in



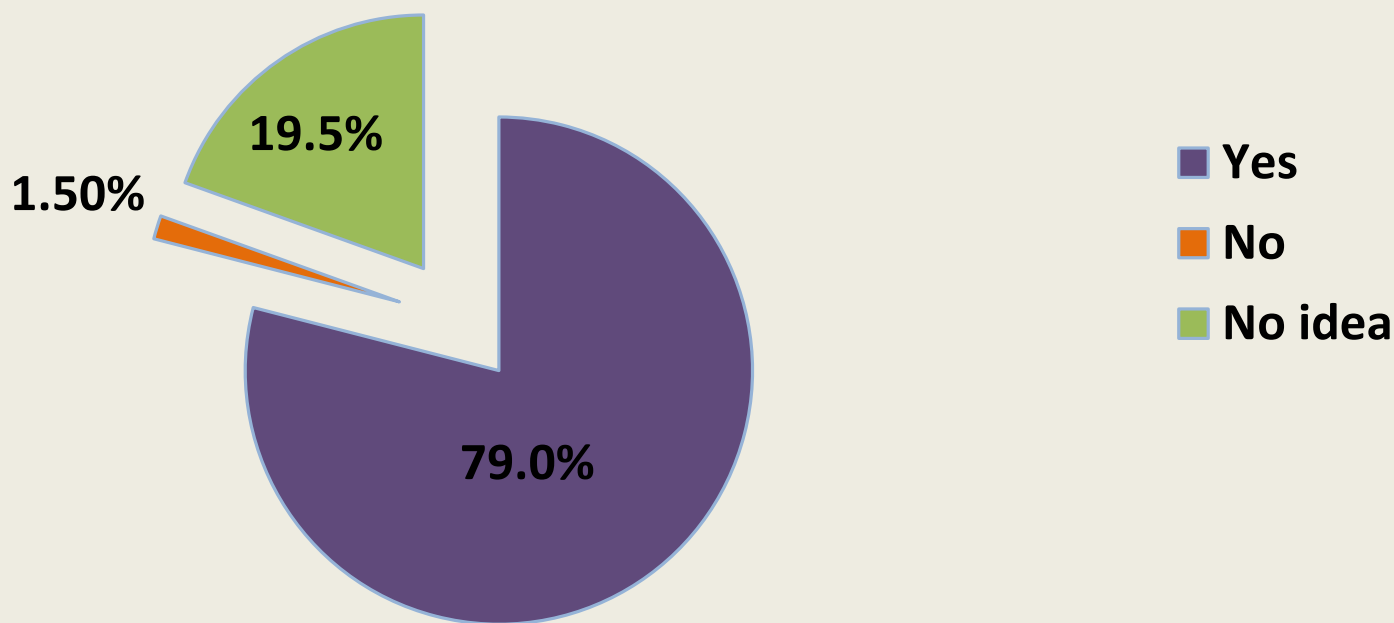
Response rate: 88.5%

Do you believe that Evidence Based Dentistry should be taught in



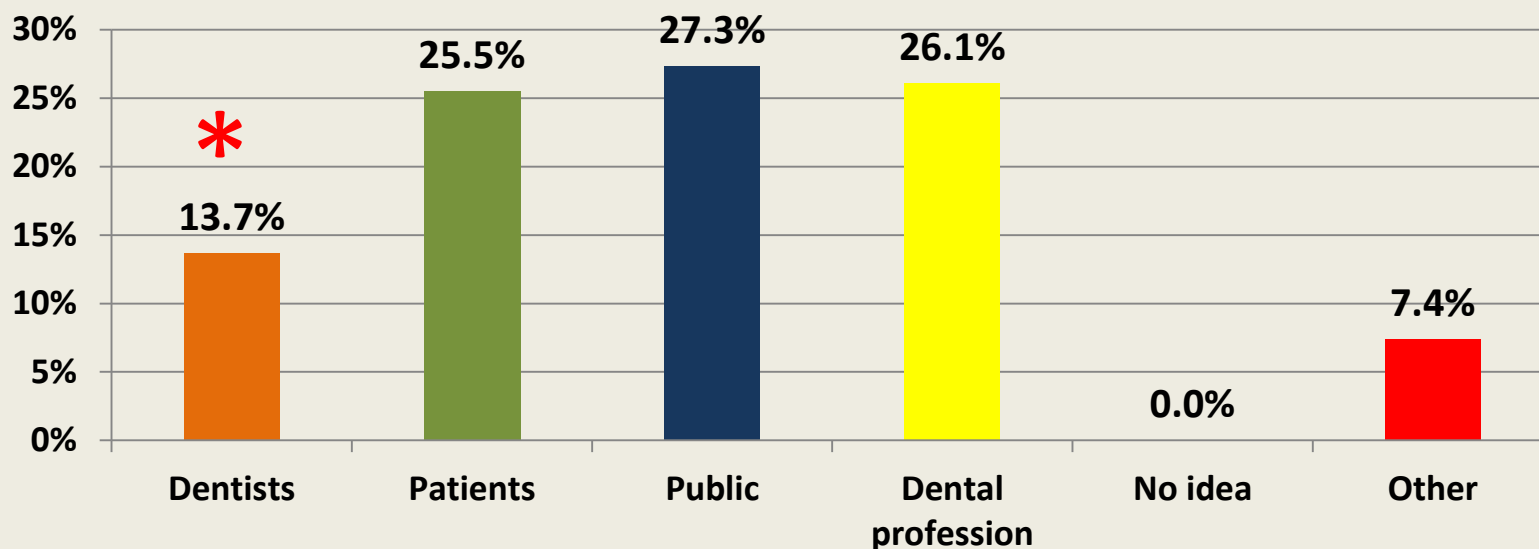
Response rate: 93.3%

Do you believe that generally Evidence Based Dentistry is beneficial?



Response rate: 93.3%

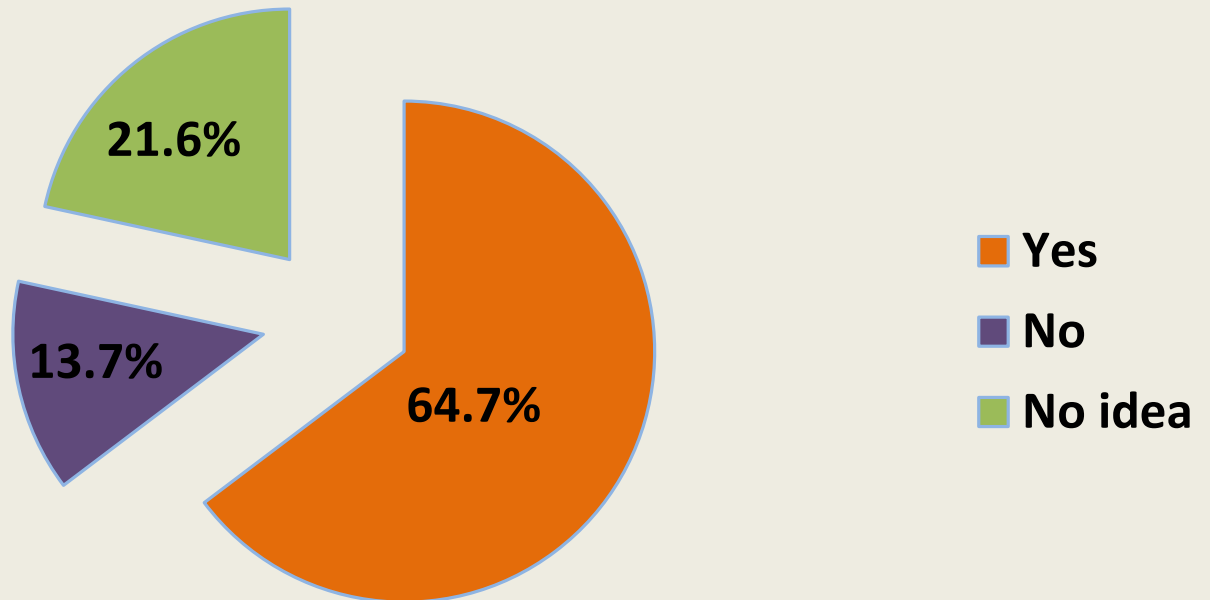
If yes, who benefits from Evidence Based Dentistry and its implementation to dental practice?



Others: Dentists and patients; patient, dentist and profession; all of them; insurer and advocates; dentists, patients, public and profession.

Response rate: 77%

Do you believe that dentists experience difficulties in implementing Evidence Based Dentistry into practice?



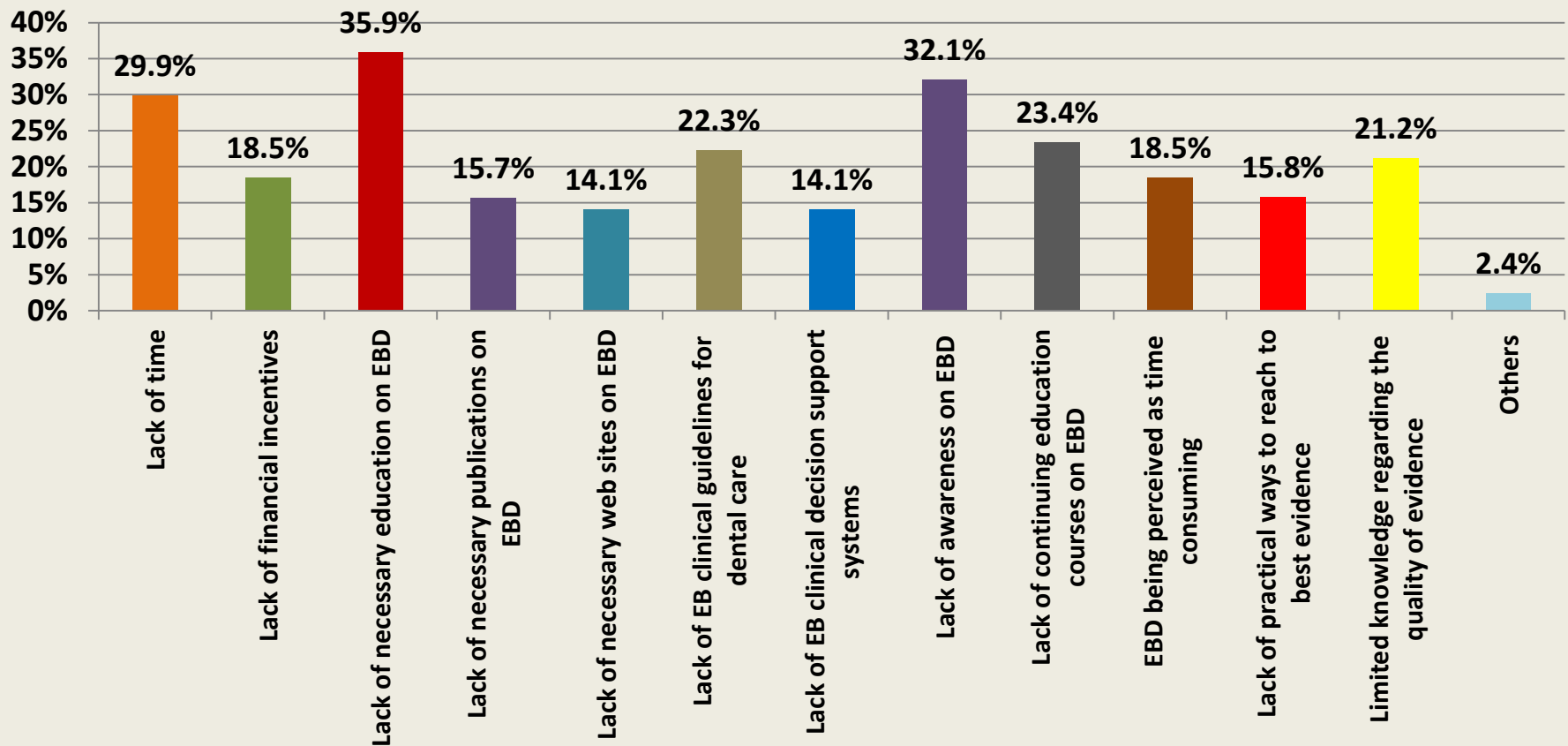
Response rate: 80.9%

If yes, what are the barriers to implementation of Evidence Based Dentistry into practice? (more than one option)

NO	RATE	ANSWERS
1	29.9%	Lack of time
2	18.5%	Lack of financial incentives
3	35.9%	Lack of necessary education on evidence based dentistry
4	15.7%	Lack of necessary publications on evidence based dentistry
5	14.1%	Lack of necessary web sites on evidence based dentistry
6	22.3%	Lack of evidence-based clinical guidelines for dental care
7	14.1%	Lack of evidence-based clinical decision support systems
8	32.1%	Lack of awareness on evidence based dentistry
9	23.4%	Lack of continuing education courses on evidence based dentistry
10	18.5%	Evidence based dentistry being perceived as time consuming
11	15.8%	Lack of practical ways to reach to best evidence
12	21.2%	Limited knowledge regarding the quality of evidence (appraisal of evidence)
13	2.4%	Others

Response rate: 88%

*If yes, what are the barriers to implementation of Evidence Based Dentistry into practice?
(more than one option)*



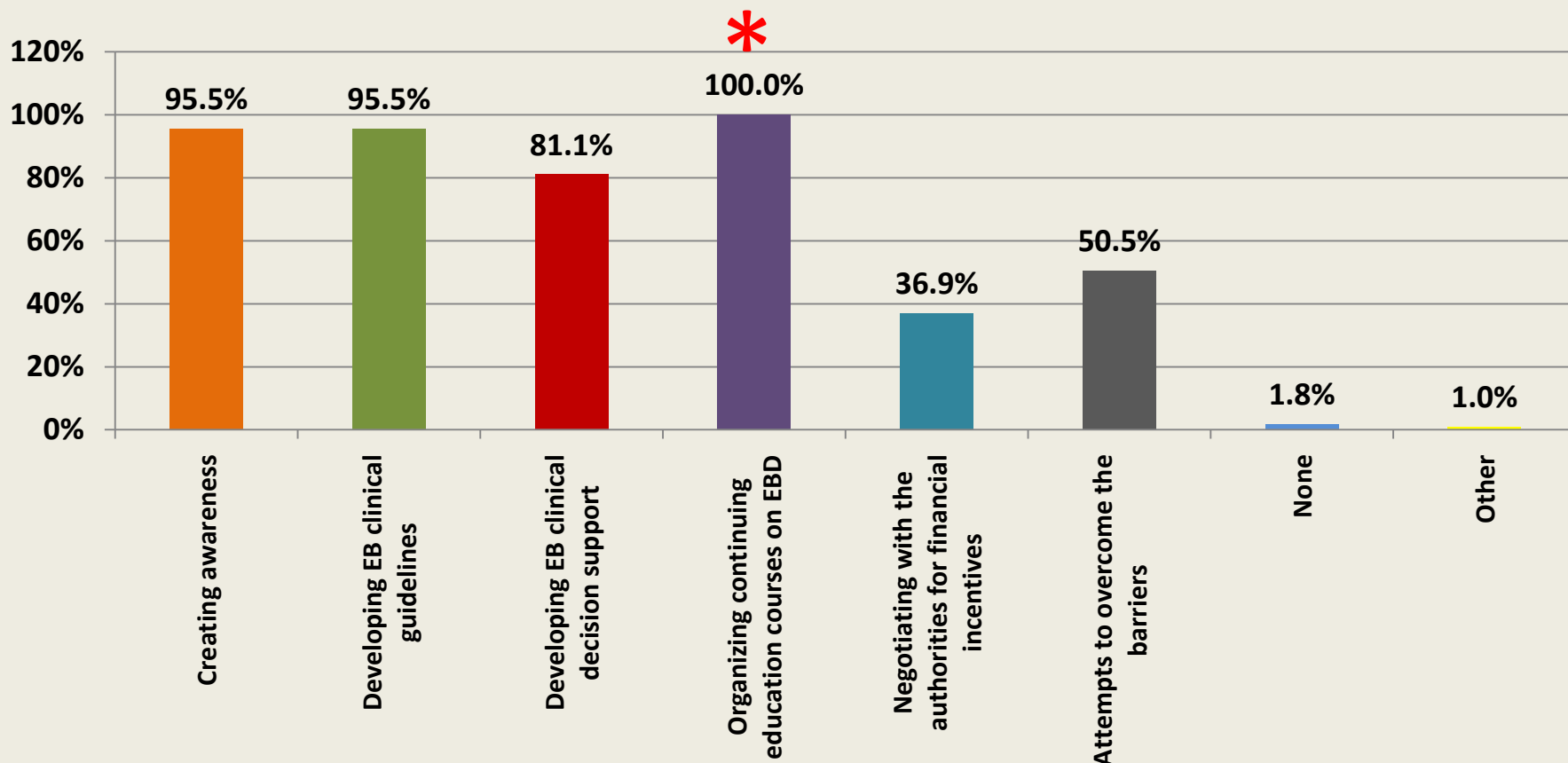
Response rate: 88%

**What is the role of National Dental Associations
in improvement of the implementation of
Evidence Based Dentistry in practice?
(more than one option)**

NO	RATE	ANSWERS
1	95.5%	Creating awareness
2	59.5%	Developing evidence based clinical guidelines
3	81.1%	Developing evidence based clinical decision support systems
4	100%	Organizing continuing education courses on evidence based dentistry
5	36.9%	Negotiating with the authorities for financial incentives to foster implementation of evidence based dentistry into practice
6	1.8%	Attempts to overcome the barriers to implementation of evidence based dentistry into practice
7	4.3	None
8	1%	Other

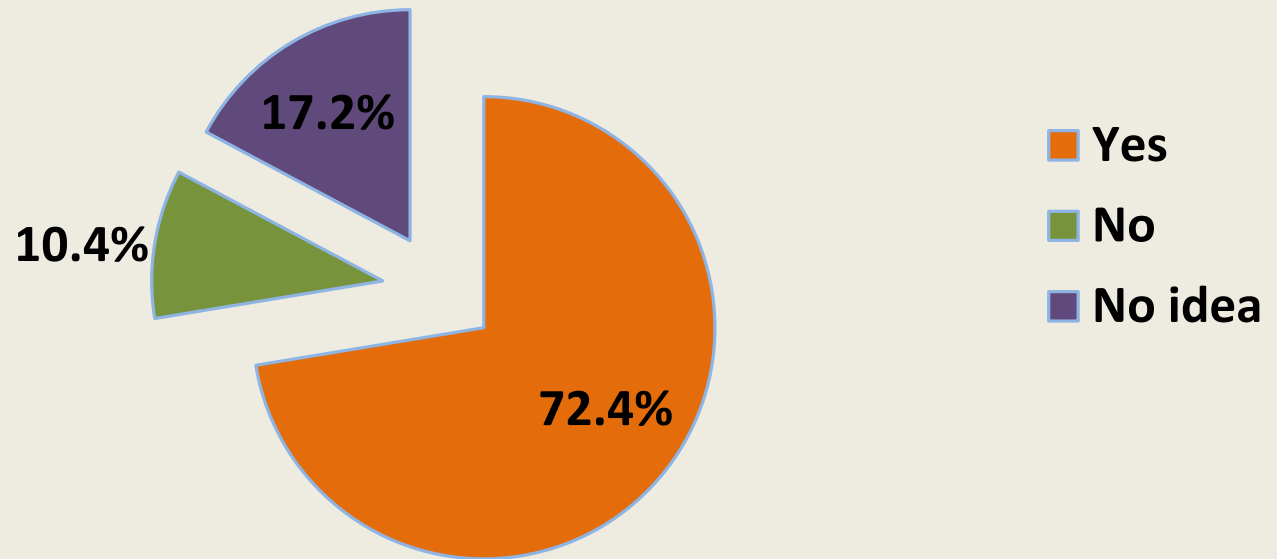
Response rate: 53.1%

What is the role of National Dental Associations in improvement of the implementation of Evidence Based Dentistry in practice? (more than one option)



Response rate: 53.1%

Do you believe that dental faculties and National Dental Associations can collaborate for implementation of Evidence Based Dentistry into practice?



Response rate: 91.9%

Poland

- 80% general practitioners, 20% specialist, mostly solo practitioners
 - There is some familiarity with EBD – most know it
 - Taught not at dental school - mostly through CE
 - Different opinions- where to be taught – mostly at dental school
 - Positive attitudes towards EBD – seen mostly as beneficial (80%)
 - Benefits– patients, public, and profession
 - Implementation of EBD into practice –mostly lack of clinical decision support systems and awareness)
 - Specific role and tasks for the NDAs – creating awareness, organizing CE courses)

Summary

- A total of 705 dentists from 5 countries
- There is some familiarity with EBD – not to the desired extent
 - Taught not at dental school - mostly through CE
 - Different opinions- where to be taught – mostly at dental school
 - Positive attitudes towards EBD – seen mostly as beneficial
 - Benefits– not a clear understanding
 - Implementation of EBD into practice – many perceived barriers (mostly lack of necessary education&awareness)
 - Specific role and tasks for the NDAs – very clear expectations

Further analysis (n=705)

- Geographical location
 - Gender
 - Age
- Mode of practice



potential impact on perceptions and attitudes

Cumulative number of participants by gender

Country	Male	Female	No response	Total
France	31	20	1	52
Georgia	8	20	0	28
Portugal	144	208	0	352
Slovakia	34	30	0	64
Turkey	131	64	14	209
Total	348	342	15	705

Cumulative number of participants by years of practice

Country	0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	No resp.	Total
France	2	4	7	9	9	10	8	2	1	52
Georgia	13	8	3	1	3	0	0	0	0	28
Portugal	124	69	64	42	25	19	7	2	0	352
Slovakia	16	8	5	7	0	5	7	16	0	64
Turkey	21	20	21	31	28	34	29	11	14	209
Total	176	109	100	90	65	68	51	31	15	705

Cumulative number of participants by mode of practice

Country	General Practice	Specialist	No resp.	Total
France	40	12	0	52
Georgia	0	27	1	28
Portugal	352	0	0	352
Slovakia	32	20	12	64
Turkey	153	42	14	209
Total	577	101	27	705

Cumulative number of participants by mode of practice

Country	Private	Public	Private+ public	No resp.	Total
France	40	1	11	0	52
Georgia	1	19	7	1	28
Portugal	325	3	24	0	352
Slovakia	36	6	21	1	64
Turkey	23	165	8	13	209
Total	425	194	71	15	705

Cumulative number of participants by mode of practice

Country	Solo	Solo in a medical clinique	Group practice ^a	Group practice ^b	University faculty member ^c	University faculty member ^d	Other	No resp.	Total
France	23	1	25	0	0	2	1	0	52
Georgia	0	4	17	2	3	1	0	1	28
Portugal	69	31	119	44	2	0	87	0	352
Slovakia	34	4	13	1	0	6	0	6	64
Turkey	114	5	45	14	0	11	6	14	209
Total	240	45	219	61	5	10	94	21	705

^a In a dental clinique with other dentists, ^b In a medical clinique with other dentists

^c private university . ^d public university

Survey



Clear **expectations** from the **NDAs**

Expectations from the NDAs

Creating awareness

Organizing continuing
education courses on
evidence based
dentistry

Developing evidence based
clinical decision support
systems

Developing
evidence
based clinical
guidelines

2- develop a '*dynamic*' model list of resources to assist dentists in becoming more familiar (and updated) with EBD and to support dentists in its implementation to daily practice (with regular updates)

MODEL LIST

for PRACTICAL RESOURCES for EBD

We developed this brief '**Model List**' only to assist dental practitioners who wish to update and/or improve their knowledge and awareness in the field of EBD in finding practical information (basic and advanced).

The **'Model List'** was developed regarding several aspects of EBD such as:

- *What is EBD?*
- *What are the basic elements of good quality evidence?*
- *What are the simple and effective ways of implementation of EBD into practice?*
- *What is new in EBD?*
- *How to be updated in EBD?*

- Without doubt this is only a short '**Model List**' developed from among the numerous available resources regarding EBD.
- There surely is **no limit** for the dental practitioner to make his/her own search and make benefit of other resources which is not a part of this '**Model List**', and this is even encouraged by the WG.

'Dynamic' document – *regular updates*

Brief information about the 'Model List'

There are five main categories:

1. What is EBD?
2. How to reach up to date evidence on EBD?
3. Books about EBD
4. National Dental Associations web-sites containing EBD-related material *–just examples*
5. Medical resources complementary to dentistry

Each specific category has a specific colour-code

Green

Orange

Blue

Red

Purple

Descriptive information for each category of the 'Model List'

#	TITLE of RESOURCE	TYPE of RESOURCE	AVAILABILITY	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee)	CONTENT
		(Book, web site, statement, review article, periodic journal, etc..)	web site address, etc.	(How can this resource be used by the dental practitioner)	(Case studies, level of evidence, implementation of EBD to practice)
1	The Basics of Evidence Based Dentistry. Elliot Abt.	review article	http://www.ada.org/sections/scienceAndResearch/pdfs/2_Abt.pdf	especially or beginners	<ul style="list-style-type: none"> • Evidence-based dentistry vs. traditional approach to decisions and clinical examples • Step by step evidence based decision making protocol <ul style="list-style-type: none"> • Hierarchy of evidence • Problems with published research
2	What is evidence based dentistry? Goldstein GR.	review article	Dent Clin North Am. 2002 Jan;46(1):1-9, v.	especially or beginners	<ul style="list-style-type: none"> • Definition and benefits of evidence based dentistry • Step by step evidence based decision making protocol • Guidelines for evaluation of the published research
3	Evidence-based Dentistry: Part VI. Critical Appraisal of the Dental Literature: Papers About Diagnosis, Etiology and Prognosis. Sutherland SS.	review article	J Can Dent Assoc. 2001 Nov;67(10):582-5.	especially or beginners	<ul style="list-style-type: none"> • The concept of critical appraisal and evidence based dentistry • Evaluation of the published documents whether a research study is both believable and useful • Guidelines for evaluation of the published research about diagnostic tests, causation or prognosis
4	Application of evidence-based dentistry: from research to clinical periodontal practice. Kwok V, Caton JG, Polson AM, Hunter PG.	review article	Periodontology 2000; Volume 59, Issue 1, pages 61-74, June 2012	especially or beginners	<ul style="list-style-type: none"> • Definition and benefits of applying the evidence-based method in clinical practice <ul style="list-style-type: none"> • Developing a preset question (population, intervention, comparison and outcome; PICO) and search protocol • Describes how clinicians can incorporate evidence-based methods into patient care <ul style="list-style-type: none"> • Presents a clinical example to illustrate the

Descriptive information for each category of the 'Model List'

- **TITLE OF RESOURCE**
- **TYPE OF RESOURCE**
(Book, web site, statement, review article, periodic journal, etc..)
- **AVAILABILITY**
(web site address, etc.)
- **BRIEF SUMMARY, NOTES & RECOMMENDATIONS**
(free access, membership needed, fee)
(How can this resource be used by the dental practitioner)
- **CONTENT**
(Case studies, level of evidence, implementation of EBD to practice)

Green

- Green is the colour-code of first category: **“What is EBD?”**
- This category includes review articles and e-books – especially for **beginners** or for the colleagues who search for some **basic resources** giving detailed and **general information** about the EBD.
- A total of **10 resources** (9 review articles and 1 e-book) are included in this category

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
1	The Basics of Evidence Based Dentistry. Elliot Abt.	review article	http://www.ada.org/sections/scienceAndResearch/pdfs/2_Abt.pdf	especially or beginners	<ul style="list-style-type: none"> • Evidence-based dentistry vs. traditional approach to decisions and clinical examples • Step by step evidence based decision making protocol <ul style="list-style-type: none"> • Hierarchy of evidence • Problems with published research
2	What is evidence based dentistry? Goldstein GR.	review article	Dent Clin North Am. 2002 Jan;46(1):1-9, v.	especially or beginners	<ul style="list-style-type: none"> • Definition and benefits of evidence based dentistry • Step by step evidence based decision making protocol • Guidelines for evaluation of the published research
3	Evidence-based Dentistry: Part VI. Critical Appraisal of the Dental Literature: Papers About Diagnosis, Etiology and Prognosis. Sutherland SS.	review article	J Can Dent Assoc. 2001 Nov;67(10):582-5.	especially or beginners	<ul style="list-style-type: none"> • The concept of critical appraisal and evidence based dentistry • Evaluation of the published documents whether a research study is both believable and useful • Guidelines for evaluation of the published research about diagnostic tests, causation or prognosis
4	Application of evidence-based dentistry: from research to clinical periodontal practice. Kwok V, Caton JG, Polson AM, Hunter PG.	review article	Periodontology 2000; Volume 59, Issue 1, pages 61–74, June 2012	especially or beginners	<ul style="list-style-type: none"> • Definition and benefits of applying the evidence-based method in clinical practice <ul style="list-style-type: none"> • Developing a preset question (population, intervention, comparison and outcome; PICO) and search protocol • Describes how clinicians can incorporate evidence-based methods into patient care <ul style="list-style-type: none"> • Presents a clinical example to illustrate the evaluation process

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc.)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
5	e-viDENT 2013	e-book	http://www.sti-bid-web.de	especially or beginners	<ul style="list-style-type: none"> • Introduction to EBD
6	Evidence based medicine: what it is and what it isn't. Sackett DL, Rosenberg WM, Gray JA, Haynes RB, Richardson WS.	review article	British Medical Journal 1996 Jan 13;312(7023):71-2.	especially or beginners	<ul style="list-style-type: none"> • Definition of evidence based medicine • Extent of evidence based medicine
7	Applying evidence based dentistry to your patients. Anderson JD.	review article	Dent Clin North Am. 2002 Jan;46(1):157-64.	especially or beginners	<ul style="list-style-type: none"> • Specific applications of evidence based dentistry to clinical practice • Role of evidence based dentistry on diagnostic tests, prognosis and therapy
8	Evidence based dentistry: Design architecture Review Article. Hayes C.	review article	Dent Clin North Am. 2002 Jan;46(1):51-59.	Gives detailed information about study types.	<ul style="list-style-type: none"> • Role of published papers on clinical decision making process • Assessment of causality, chance, bias, and confounding for a published data
9	The Benefits of Evidence-Based Dentistry for the Private Dental Office . Gillette J, Matthews JD, Frantsve-Hawley J, Weyant RJ.	review article	Dent Clin North Am. 2002 Jan;53(1):33-45.	especially or beginners	<ul style="list-style-type: none"> • History of evidence-based dentistry • Evidence-based dentistry and dental education • Benefits of evidence based dentistry for the practicing dentist
10	Questions and answers in Evidence-based Dentistry Volume 14. Richards D.	review article	Evid Based Dent. 2013 Dec;14(4):122-6. doi: 10.1038/sj.ebd.6400975.	especially for dental clinicians	Guidelines, questions and answers addressed by summaries in Evidence-based Dentistry

Orange

- Orange is the colour-code of second category: **“How to reach up-to-date evidence on EBD?”**
- This category provides web site addresses to reach resources for **implementation** of EBD to practice.
- A total of **22 resources (18 web sites and 4 journals)** are included in this category

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc.)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
1	Cochrane Database	Web site	www.thecochranelibrary.com	The Cochrane Library is a collection of six databases that contain different types of high-quality, independent evidence to inform healthcare decision-making, and a seventh database that provides information about groups in The Cochrane Collaboration. Search is free. For reaching journal articles membership needed.	Network of individuals and institutions committed to preparing, maintaining, and disseminating systematic reviews of the effects of health care
2	American Dental Association Centre for Evidence-Based Dentistry (ADA Center for EBD)	Web site	ebd.ada.org	A practical resource for scientific evidence. They provide systematically assessed evidence as tools and resources to support your clinical decisions. Search is free. For reaching journal articles membership needed.	<p>Systematic Reviews & Summaries</p> <p>A database of studies on dental and oral health topics along with concise, user-friendly summaries</p> <p>ADA Clinical Recommendations</p> <p>Tools that provide guidance and assist you with clinical decision making</p> <p>Resources</p> <p>Additional support for evidence-based practice</p>
3	Centre of Evidence-Based Medicine (CEBM)	Web site	www.cebm.net	CEBM aims to develop, teach and promote evidence-based health care through conferences, workshops and EBM tools so that all health care professionals can maintain the highest standards of medicine.	They offer a range of courses to clinicians and other healthcare professionals seeking to develop their EBM skills.

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
4	The Database of Abstracts of Reviews of Effectiveness (DARE)	Web site	www.crd.york.ac.uk/crdweb	Search is free.	<p>DARE (Database of Abstracts of Reviews of Effects) is focused primarily on systematic reviews that evaluate the effects of health care interventions and the delivery and organization of health services.</p> <p>The database also includes reviews of the wider determinants of health such as housing, transport, and social care where these impact directly on health, or have the potential to impact on health.</p>
5	Pubmed Clinical Queries	Web site	www.ncbi.nlm.nih.gov/pubmed	Search is free.	<p>PubMed comprises more than 23 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites. Also with new PubMed Commons system, researchers can comment on any publication indexed by PubMed, and read the comments of others</p>
6	Trip Database	Web site	www.tripdatabase.com	Search is free.	<p>Trip is a clinical search engine designed to allow users to quickly and easily find and use high-quality research evidence to support their practice and/or care. As well as research evidence, allow clinicians to search across other content types including images, videos, patient information leaflets, educational courses and news.</p>
7	SUMsearch	Web site	www.sumsearch.org	Search is free.	<p>SUMSearch simultaneously searches for original studies, systematic reviews, and practice guidelines from multiple sources. Searches for studies are revised up to 6 times as needed, while guidelines and systematic reviews may be revised once each. Results from PubMed, Dare, and NGC are merged and sorted.</p>

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
8	OVID EBMR (Evidence-based Medicine Reviews)	Web site	www.ovid.com. (From the home page you should follow: Medicine >Clinical Medicine > Evidence - Based Medicine >Evidence - Based Medicine Reviews)	A definitive resource for electronic information in the evidence based medicine (EBM) movement that combines 7 of the most trusted EBM resources into a single, fully-searchable database. Search is free.	<p>Topic Reviews</p> <p>Cochrane Database of Systematic Reviews - produced by Cochrane</p> <p>The Database of Abstracts of Reviews of Effectiveness (DARE)</p> <p>Health Technology Assessments (HTA) - NHS Centre for Reviews and Dissemination (CRD)</p> <p>NHS Economic Evaluation Database (NHSEED) - NHS Centre for Reviews and Dissemination (CRD)</p> <p>Article Reviews</p> <p>ACP Journal Club - American College of Physicians</p> <p>Definitive Controlled Trials</p> <p>Methodology Reviews</p> <p>Cochrane Methodology Register (CMR)</p>
9	NHS Evidence	Web site	https://www.evidence.nhs.uk	Generally membership needed.	NICE Evidence Services are a suite of services that provide internet access to high quality authoritative evidence and best practice. The services cover health, social care and public health evidence. Evidence Services aim to help professionals make better and quicker evidence based decisions.
10	Essential Evidence Plus	Web site	www.essentialevidenceplus.com	Essential Evidence Plus is the only evidence-based, point-of-care clinical decision support system that gives you access to over 13,000 topics, guidelines, abstracts, and summaries	Provides guidelines, abstracts, and summaries
11	<u>EviDents</u>	Web site	www.evidents.org	<u>EviDents</u> is collaboration between <u>EviDents.com</u> , <u>SUMsearch</u> and the Forsyth Institute Center for Evidence-Based Dentistry. The search strategies are based on original research of the Center for Evidence-Based Dentistry	Search strategies that are based on original research of the Center for Evidence-Based Dentistry

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
1 2	Clinical Evidence	Web site	www.clinicalevidence.com	Clinical Evidence comprises an international database of high-quality, rigorously developed systematic overviews assessing the benefits and harms of treatments, and a suite of EBM resources and training materials.	Learn, teach, and practise evidence-based medicine A suite of tools and resources to help you make EBM integral to your work and professional development, whether you want to learn more, teach others, or apply EBM principles to improve the health of your patients.
1 3	The Centre for Evidence-Based Dentistry	Web site	www.cebd.org	The Centre for Evidence-based Dentistry, established in 1995, is an independent body whose aim is to promote the teaching, learning, practice and evaluation of evidence-based dentistry worldwide. The Centre is the Editorial base for the Evidence-based Dentistry Journal and is one of the members of the Virtual Centre for Improving Oral Health.	The Centre promotes the teaching, learning, practice and evaluation of Evidence-based Dentistry by: <ul style="list-style-type: none"> • Fostering a spirit of enquiry within the dental team • Encouraging and enable the dental profession to make clinical decisions based on the best available evidence • Enabling the dental team to find valid and up to date evidence on which to base treatment decisions • Assisting in the development of better methods of disseminating quality evidence <ul style="list-style-type: none"> • Encouraging the development of Evidence-based professional and clinical standards and an Evidence-based approach to clinical audit • Facilitating Evidence-based continuing professional development (CPD) involving the whole dental team • Improving the public profile of the dental profession by moving towards Evidence-based practice <ul style="list-style-type: none"> • Assisting in the production of clear Evidence-based patient information on dental treatments and procedures • Enabling Evidence-based purchasing of materials and equipment.

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
1 4	Evidence - Based Dentistry	Journal	http://www.nature.com/ebd/index.html	Membership needed	Evidence-Based Dentistry delivers the available evidence on the developments in oral health. The <u>Journal</u> , evaluates the evidence and provide guidance concerning the value of the author's conclusions. Original papers and relevant publications are condensed into digestible summaries, drawing attention to the current methods and findings.
1 5	Journal of Evidence-Based Dental Practice	Journal	www.jebdp.com/	Membership needed	The Journal of Evidence-Based Dental Practice presents timely original articles, as well as reviews of articles on the results and outcomes of clinical procedures and treatment. The journal provides author benefits, such as free PDFs, special discounts on Elsevier publications.
1 6	Evidence - Based Medicine	Journal	http://ebm.bmj.com	Membership needed	Evidence-Based Medicine systematically searches international medical journals applying strict criteria for the validity of research. EBM publishes articles relevant to the study and practice of evidence-based medicine.
1 7	Journal of Evidence Based Medicine	Journal	http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1756-5391	Membership needed	Journal of Evidence-Based Medicine (JEBM) is the official journal of the Chinese Cochrane Centre, part of the international Cochrane Collaboration which is the world's largest organization dedicated to preparing and maintaining systematic reviews to help people make well informed decisions about healthcare interventions. The Chinese Cochrane Centre and the Cochrane Collaboration more widely are dedicated to providing up-to-date and accurate information about the effects of healthcare.
1 8	Evidence-Based Practice <i>U.S. Agency for Healthcare Research & Quality</i>	Web site	www.nyam.org	Provide scientific reviews, evidence reports, evidence-based practice centers, conferences and evidence-based methodology.	Links to scientific reviews, evidence reports, evidence-based practice centers, conferences and evidence-based methodology.

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
19	Clinical Practice Guidelines Archive <i>U.S. Agency for Healthcare Research and Quality</i>	Web site	www.ahrq.gov/clinic/cpgarchv.htm	Clinical Practice Guidelines, Quick Reference Guides for Clinicians, and Consumer Versions	Consists of a series of 19 Clinical Practice Guidelines. Each guideline has several versions
20	CPG Infobase <i>Canadian Medical Association</i>	Web site	http://mdm.ca/cpgsnew/cpgs/index.asp	A database of guidelines produced or endorsed in Canada by a national, provincial/territorial or regional medical or health organization, professional society, government agency or expert panel	Consists of a database of guidelines.
21	Bandolier Knowledge Library <i>Pain Research at Oxford University</i>	Web site	www.jr2.ox.ac.uk/bandolier/	Bandolier searches and abstracts systematic reviews of treatments, evidence about diagnosis, epidemiology or health economics	Collection of evidence under a variety of different health topics
22	McMaster Online Rating of Evidence (MORE)	Web site	http://hiru.mcmaster.ca/more/	A system to help define the best research to support evidence based clinical practice, tailored to the individual interests of clinicians	A system to help define the best research to support evidence based clinical practice, tailored to the individual interests of clinicians

Blue

- Blue is the colour-code of third category: **“Books about EBD”**
- In this category, some book resources for EBD are listed.
- A total of **8 resources** are included in this category

	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc.,)	AVAILABILITY web site address, etc.	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee) (How can this resource be used by the dental practitioner)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)
1	e-viDENT 2013	e-book	http://www.sti-bid-web.de	The e-viDENT project - an international collaboration of 4 European Universities: Gazi University Ankara, Turkey ; Steinbeis University Berlin, Germany ; KU Leuven, Belgium ; Helsinki University, Finland . The main objective of the project was to raise awareness of "evidence based dentistry" among dental practitioners by developing an educational tool	<ul style="list-style-type: none"> • Introduction to EBD • Finding evidence on the web • EBD clinical guidelines • Examples of EBD in daily practice
2	Evidence-Based Practice: Toward Optimizing Clinical Outcomes: Toward Optimizing Clinical Outcomes	Book	http://confessedtravelholi.com/doc/download-ebook-Evidence-Based-Practice-Toward-Optimizing-Clinical-Outcomes-pdf-library-354873.html	This book presented a state-of-the-art compilation of chapters by several experts in the field of research synthesis and evidence-based decision making in the clinical setting. This collection of work, taken together, not only sets the present state of knowledge in the field, but also points to <i>lacunae</i> , which will be addressed and resolved in the next one or two decades. Edited by Francesco Chiappelli . Springer-Verlag Berlin Heidelberg 2010.	Health care is witnessing an explosion of fundamental, clinical and translational research evidence. The emerging paradigm of evidence-based health care rests on the judicious integration of the patient needs/wants, the provider's expertise, and the best available research evidence in the treatment plan. The purpose of this book is to discuss the promise and the limitations of incorporating the best available evidence in clinical practice. It seeks to characterize and define how best available research evidence can be used in clinical practice and to what respect it applies to current public health issues.

	TITLE of RESOURCE	TYPE of RESOURCE	AVAILABILITY	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee)	CONTENT
		(Book, web site, statement, review article, periodic journal, etc.,)	web site address, etc.	(How can this resource be used by the dental practitioner)	(Case studies, level of evidence, implementation of EBD to practice)
3	Evidence Based Periodontology: A Review	Book	http://www.amazon.com/Evidence-Based-Periodontology-A-Review/dp/3659173118	<p>The purpose of this book is to allow <u>periodontists</u> to gain confidence in their own ability to assess research reports and overcome the misconception.</p> <p><u>Mishal Shah, Sheela Kumar Gujjari</u>. LAP Lambert Academic Publishing, 2012</p>	<p>Attitudes have changed dramatically over the last few years. Both patients and practitioners want to know more about the treatments given and the agents that put them at risk of disease. Will a treatment work? Is this the best available treatment? Can anything be done to prevent a particular disease? The ability to answer these questions is inherently dependent upon the ability to read and interpret the dental literature. This is why it has become increasingly important for students and practitioners to be proficient in the area of evidence based dentistry and critical appraisal.</p>
4	Evidence-Based Orthodontics	Book	http://onlinelibrary.wiley.com/book/10.1002/9781118688489	<p>This book satisfies the educational demands of orthodontics, which demands the integration of the best research evidence with the clinician's expertise and the patient's unique values and circumstances.</p> <p><i>Evidence-Based Orthodontics</i> provides its readers with a cogent, clear resource with which to navigate and understand this important subject area. It provides students and practitioners of orthodontics with an indispensable guide to this vital tenet of education, research, and clinical practice.</p> <p>Editor(s): Greg J. Huang, Stephen Richmond, Katherine W.L. <u>Vig</u>. Copyright © 2011 by John Wiley & Sons, Ltd.</p>	<p>This land-mark text is the first to be devoted to the methodology, principles and practice of evidence-based practice in orthodontics. It aims to serve as a reference for those wishing to understand the principles of evidence-based practice including the foundation for clinical study design, epidemiology and the statistical inferences from data. The ability to define a search strategy from established databases and to identify relevant clinical and translational research in the scientific published literature requires a new approach in orthodontic education. <i>Evidence-Based Orthodontics</i> provides a contemporary approach to those strategies in clinical orthodontic practice. The growing ability to translate critical appraisals of evidence into clinical practice and evaluate clinical evidence for its validity and potential usefulness requires an understanding of basic elements in epidemiology and biostatistics.</p>

	TITLE of RESOURCE	TYPE of RESOURCE	AVAILABILITY	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee)	CONTENT
		(Book, web site, statement, review article, periodic journal, etc.,)	web site address, etc.	(How can this resource be used by the dental practitioner)	(Case studies, level of evidence, implementation of EBD to practice)
5	Evidence- Based Decision Making: A Translational Guide for Dental Professionals	Book	http://books.google.pt/books/about/Evidence_Based_Decision_Making.html?id=q7RANwAACAAJ&redir_esc=y	This concise, hands-on text provides a method for making evidence-based decisions in practice. Syrene A. Miller, Pam R. <u>Overman</u> , Michael G. <u>Newman</u> , <u>Lippincott Williams & Wilkins</u> , 2008 - Medical - 169 pages	Evidence-Based Decision Making for Dental Professions teaches the skills necessary for life-long learning that are an important part of the ability to translate recent and relevant scientific evidence into practical applications. <u>The book presents a step-by-step approach to mastering the five essential skills of evidence-based decision making- formulating patient-centered questions, searching for the appropriate evidence, critically appraising the evidence, applying the evidence to practice, and evaluating the process. Five Case Scenarios are used throughout the book and cover the broad areas of therapy/prevention, diagnosis, etiology/harm/causation, and prognosis. Each chapter has objectives, suggested activities, a quiz, critical thinking questions, and exercises.</u>
6	Evidence-Based Dentistry: Managing Information for Better Practice	Book	http://books.google.pt/books?id=HOpIGgAACAAJ&cdq=Evidence-Based+Dentistry:+Managing+Information+for+Better+Practice+Jan+Clarkson,+Deborah+Matthewa.+Quintessence+Publishing+Company+Incorporated,+2008.&hl=pt-PT&st=X&ei=AE7kUq_bHaSM7QbrxID4Ag&ved=0CDIQ6AEwAA	Jan Clarkson, Deborah <u>Matthewa</u> . <u>Quintessence Publishing Company Incorporated</u> , 2008.	This book outlines the key concepts of evidence-based dentistry and illustrates the process from analysis to implementation using relevant clinical examples.

	TITLE of RESOURCE	TYPE of RESOURCE	AVAILABILITY	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (free access, membership needed, fee)	CONTENT
		(Book, web site, statement, review article, periodic journal, etc.,)	web site address, etc.	(How can this resource be used by the dental practitioner)	(Case studies, level of evidence, implementation of EBD to practice)
7	Evidence Based Dentistry for Effective Practice	Book	http://www.amazon.com/Evidence-Based-Dentistry-Effective-Practice/dp/1841841994/ref=sr_1_8?s=books&ie=UTF8&qid=1389912596&sr=1-8&keywords=EVIDENCE+BASED+DENTISTRY	The book provides the best available information for decision making. Jan Clarkson, Jayne E. Harrison, Amid Ismail and Ian Needleman. Martin <u>Dunitz</u> (Dec 19, 2002)	This text brings together for the first time a guide to Evidence Based Dentistry. It provides practical information on how to implement EBD in practice, as well as <u>summarising</u> the issues involved and the impact on healthcare and education.
8	Evidence-based Dentistry, An Issue of Dental Clinics, 1e (The Clinics: Dentistry)	Book	http://www.amazon.com/Evidence-based-Dentistry-Issue-Dental-Clinics/dp/1437704662/ref=sr_1_1?s=books&ie=UTF8&qid=1390693478&sr=1-1	The book provides practical information on how to implement EBD in practice Mark V. Thomas DMD (Mar 24, 2009)	This book outlines a guide to Evidence Based Dentistry.

Purple

- Purple is the colour-code of forth category: **In this category, information about a sample of ‘National Dental Associations’** web-sites providing information and resources about EBD is summarized.
- A total of **4 resources** are included in this category

#	COUNTRY	WEB SITE ADDRESS	EBD SECTION	AVIABILITY (Free access, membership needed, fee etc)	CONTENT
1	USA	http://ebd.ada.org/	YES	free access (membership needed only in articles published in JADA)	There is information about "What is EBD?" and also FAQ about EBD, "Systematic Reviews", "Clinical Recommendations", "Resources", "Suggest Clinical Ideas" and "Tutorials" parts are present in the web site. There is also <u>articles</u> about EBD published in JADA however membership is needed.
2	NEW ZEALAND	http://www.nzda.org.nz/pub/index.php?id=69	YES	free access	The definition and the importance of EBD are included and the importance of reliability of evidence-based <u>decisions in dental practices</u> is highlighted. Additionally, this web site provides information about how to search in internet in dental and medical literature. Gives examples in EBD articles published in different journals.
3	INDIA	http://membership.ida.org.in/Membership_Detail/memScienceandEducation.aspx	YES	free access	IDA acknowledges the importance of evidence-based dentistry (EBD) and its influence on clinical practice, dental education, research, consumer guidelines and public perception.
4	AUSTRALIA	http://www.ada.org.au/app/cmslib/media/lib/1009/m256254_v1_policy%20statement%206.8%20evidence-based%20dentistry.pdf	/	/	They only published a policy statement about EBD in April 2008.

Red

- Red is the colour-code of fifth category: In the last category **medical resources-complementary to dentistry** are listed.
- A total of **31 resources** are included in this category:
 - 10 resources from Agencies&Centers
 - 2 resorces from Clinical practice guidelines
 - 1 resorcesfrom Databases
 - 2 resorces from Directories
 - 1 resorce from EBM Centers by speciality
 - 4 resorces from Guides and Tutorials
 - 6 resorces from Journals
 - 3 resorces from Mobile resources
 - 2 resorces from Text books

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
AGENCIES & CENTERS					
1	Agency for Healthcare Research and Quality (AHRO)	Web site	It is the health services research arm of the U.S. Department of Health and Human Services (HHS).	www.ahrq.gov	EB information on quality improvement and patient safety; outcomes and effectiveness of care; clinical practice and technology assessment; health care organization and delivery systems; primary care (including preventive services); and health care costs and sources of payment
2	Canadian Centres for Health Evidence (CHE)	Web site	CHE provides extensive information on how to identify the required evidence, how to critically appraise published literature and understanding statistics	www.cche.net	Knowledge-based resources and summaries to health professionals
3	Center for Evidence-Based Medicine <i>University of Toronto</i>	Web site	Materials related to teaching and practicing EBD	www.cebm.utoronto.ca	Glossary of EBM terms, resources for handheld devices, and links to other EBD sites
4	Centre for Evidence-Based Medicine <i>National Health Service (UK)</i>	Web site	Resources which promote and provide support evidence-based health care providers, students and patients	www.cebm.net	The Centre for Evidence-based Dentistry, promote the teaching, learning, practice and evaluation of evidence-based dentistry world-wide. The Centre is the Editorial base for the Evidence-based Dentistry Journal and is one of the members of the Virtual Centre for Improving Oral Health.

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc.)	CONTENT (Case studies, level of evidence, implementation of ERD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc.)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
5	Centre for Reviews and Dissemination <i>National Health Service (UK)</i>	Web site	Provides evidence synthesis in the health field	www.york.ac.uk	Systematic reviews that evaluate the effects of health and social care interventions and the delivery and organisation of health care. CRD produces the renowned DARE, NHSSEED and HTA Data bases which are used by health professionals, policy makers and researchers around the world.
6	Clinical Knowledge Summaries <i>National Health Service (UK)</i>	Web site	Collection of evidence-based information about the common conditions managed in primary and first-contact care.	A one-time registration is required. cks.library.nhs.uk	It is compiled by the National Health Service and outlines the evidence on which answers are based.
7	Cochrane Collaboration Complementary Medicine Field	Web site	Overview of the mission and activities of the Cochrane Collaboration Complementary Medicine Field	www.compmed.umm.edu/cochrane.asp	Links to the Complementary Medicine Field Newsletter, Complementary Medicine Reviews & Protocols, and the Registry, a database of randomized control trials (RCT) and controlled clinical trials (CCT) on Complementary Medicine topics
8	Evidence-based Medicine Resource Center <i>The New York Academy of Medicine Library/American College of Physicians, New York Chapter</i>	Web site	References, bibliographies, tutorials, glossaries, and online databases to guide those embarking on teaching and practicing evidence-based medicine	www.ebmny.org	Practice tools to support critical analysis of the literature and MEDLINE searching, as well as links to other sites that help enable evidence-based medical care
9	Sarah Cole Hirsh Institute for Best Nursing Practices Based on Evidence	Web site	Repository of best nursing practices based on research findings	http://fpb.case.edu/Centers/Hirsh	Repository of best nursing practices based on research findings

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
DATABASES					
1	See EBM databases, Limits, Publication & study Types	Web site	The HHSL offers services to the Tufts and Tufts Medical Center community.	Many of the following evidence-based-medicine databases require a Tufts username or Library Login ID for access.	Getting Started Databases E-Books, E-Journals New Acquisitions Recommend a Purchase Report a Missing Book or Journal Request Materials from Jahanis Storage Research Guides
DIRECTORIES					
1	Evidence-Based Medicine <i>Welch Medical Library at Johns Hopkins U.</i>	Web site	Collection of evidence-based medicine resources that have been evaluated and rated for content	www.welch.jhu.edu/inter-net/ebr.html	Systematic Reviews, Journal Articles and other Databases Clinical Trials and Pre-publication Resources Research Tools: Filters, Hedges and Strategies Statistical Tools and Calculators Journal Clubs, List Servers, and Meta-lists Education and Tutorials Organization
2	Understanding and Evaluating Medical Information <i>New York Online Access to Health</i>	Web site	Information guide to EBM resources on the web.	www.noah-health.org/en/ebm	The Basics, Types of Evidence, Research Methods and Statistical Terms in EBM
EBM CENTERS BY SPECIALITY					
1	Mental Health Sarah Cole Hirsh Institute for Best Nursing Practices Based on Evidence Pathology Social Services	Web site	Resource for evidence-based clinical practice	Mental Health www.psychiatry.ox.ac.uk Sarah Cole Hirsh Institute for Best Nursing Practices Based on Evidence http://fpb.cas.e.edu/Centers/Hirsh Pathology www.nottingham.ac.uk Social Services www.cebss.org	Guidelines; Sistematic Systematic Reviews; Randomized Trials; Diagnostic Diagnostic Tests; Chorts Cohorts; Case-control; Cross-sectional; Qualitative

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
GUIDES & TUTORIALS					
1	EBM Tutorial <i>Boston University Medical Center- Alumni Medical Library</i>	Web site	Tutorial One: Introduction to Evidence-Based Medicine Tutorial Two: Forming a Clinical Question EBM Search Process	http://medlib.bu.edu/tutorials/ebm/intro/index.cfm?loc=az_ebm http://medlib.bu.edu/tutorials/ebm/pico/index.cfm?loc=az_ebm http://medlib.bu.edu/faq2.cfm/content/ebm_process.cf	Tutorials: 1 - Introduction to Evidence-Based Medicine 2 - Forming a Clinical Question EBM Search Process
2	Evidence-Based Medicine Tutorials <i>Lamar Soutter Library at Umass Medical School</i>	Web site	Interactive tutorial	http://library.umassmed.edu/EBM/tutorials/	Construction of evidence based clinical questions in terms of both prognosis and therapy
3	Finding the Evidence <i>Medical University of South Carolina Library</i>	Web site	Tutorial is designed to help health practitioners acquire the skills they need to conduct successful evidence-based searches	www.library.musc.edu	Conduct successful evidence-based searches
4	Introduction to Evidence-Based Medicine <i>Duke University/ UNC - Chapel Hill</i>	Web site	Basic tutorial intended for any health care practitioner or student who needs a basic introduction to the principles of Evidence-Based Medicine	www.hsl.unc.edu	Basic introduction to the principles of Evidence-Based

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
JOURNALS					
1	<i>Bandolier: Evidence Based Health Journal</i>	Periodic Journal	Produced and edited by Pain Research at Oxford University	Valid Tufts ID is not required for access www.jr2.ox.ac.uk	Bandolier searches and abstracts systematic reviews of treatments, evidence about diagnosis, epidemiology or health economics
2	<i>EBM Online</i>	Periodic Journal	Bi-monthly journal designed to alert clinicians to scientifically meritorious and clinically important advances in treatment, diagnosis and clinical prediction, etiology, prognosis, economics, and quality improvement. Published by the BMJ Publishing Group Ltd.	Valid Tufts ID is not required for access http://ebm.bmjournals.com/	Resources to alert clinicians to scientifically meritorious and clinically important advances in treatment, diagnosis and clinical prediction, etiology, prognosis, economics, and quality improvement
3	<i>Evidence-based Complementary and Alternative Medicine.</i>	Periodic Journal	Evidence-Based Complementary and Alternative Medicine (eCAM) is an international, peer-reviewed journal that seeks to understand the sources and to encourage rigorous research in this new, yet ancient world of complementary and alternative medicine	Valid Tufts ID for access www.ecam.oupjournals.org	The journal seeks to apply scientific rigor to the study of complementary and alternative medicine (CAM) modalities, particularly traditional Asian healing systems. eCAM emphasizes health outcome while documenting biological mechanisms of action. The journal is devoted to the advancement of science in the field of basic research, clinical studies, methodology or scientific theory in diverse areas of Biomedical Sciences

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
4	<i>Evidence-Based Obstetrics & Gynecology</i>	Periodic Journal	The Journal allows the clinicians to combine the best external evidence from systematic research with individual clinical.	Valid Tufts ID for access http://ezproxy.library.tufts.edu/login?url=http://home.mdconsult.com/groups/tufts517.html	The journal helps you to: <ul style="list-style-type: none"> • Convert your information needs into answerable questions • Track down the best evidence to answer the question • Appraise the evidence • Apply the results in your clinical practice • Evaluate your performance
6	<i>Journal of Family Practice</i>	Periodic Journal	Features a column "POEMS (Patient Oriented Evidence that Matters)"	Valid Tufts ID for access http://ezproxy.library.tufts.edu/ezproxy/ezproxy.asp?ISSUE=00004790	The Journal gives priority to studies that address clinical questions or health care delivery topics in primary care. Since our audience consists of both primary care clinicians and researchers, it is important that original research be relevant and useful to the physician in full-time clinical practice.
MOBILE RESOURCES					
1	Duke University Medical Center Library EBM File <i>Duke University Medical Center Library</i>	Web site	Free PDA file of evidence-based medicine resources	Free AvantGo account required www.mclibrary.duke.edu	information on EBM terminology, how to construct a well-built clinical question, and how to evaluate various types of journal articles. A reference guide on searching Ovid MEDLINE is also included

#	TITLE of RESOURCE	TYPE of RESOURCE (Book, web site, statement, review article, periodic journal, etc..)	CONTENT (Case studies, level of evidence, implementation of EBD to practice)	AVAILABILITY (free access, membership needed, fee, web site address, etc..)	BRIEF SUMMARY, NOTES & RECOMMENDATIONS (How can this resource be used by the dental practitioner)
2	DynaMed	Web site	DynaMed™ is unique among clinical information resources. Our community of clinicians synthesize the evidence and provide <i>objective analysis</i> in an easily-digestible format. We follow a strict <i>evidence-based</i> editorial process focused on providing <i>unbiased information</i> to help guide physicians in their decision-making process.	Check Supported Mobile Devices on <i>About DynaMed</i> page. Email: dynamedsupport@epnet.com from your Tufts University or Tufts Medical Center email. Tufts affiliates using your hospital email send a request for a serial number to hhs1@tufts.edu . Register with <i>Skyscape</i> for a username/password. After you receive your serial number follow <i>Installing DynaMed Mobile</i> for your device on the <i>About DynaMed</i> page. Serial numbers expire one year from activation. Request a new number directly from <i>DynaMed</i> or hhs1@tufts.edu to continue access.	It is a resource for electronic information in the evidence based medicine
3	EBM Calculator <i>Centre for Evidence-Based Medicine, Toronto</i>	Web site	These calculators were created for your own personal use and testing purposes. They are to be used as a guide only. Medical decisions should NOT be based solely on the results of these programs. Although this program has been tested thoroughly, the accuracy of the information cannot be guaranteed.	www.cebm.utoronto.ca	Designed to calculate relevant statistics for Diagnostic studies, Prospective Studies, Case Control Studies, and Randomized Control Trials (RCT). Operating System: Palm OS.

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TEXTBOOKS					
1	See EBM Compendia by <u>Speciality</u>	Book	Evidence Based Medical books list by <u>Speciality</u>	http://tusk.tufts.edu/view/content/206364	Provides a list of Evidence Based Medical books
2	Search the Tufts Catalog	Book Web site	Provides: Research Resources <ul style="list-style-type: none"> • Library Catalog • Database Finder • Electronic Journals • Research Guides@Tufts • Course Reserves • New Acquisitions Services & Information <ul style="list-style-type: none"> • My Account • Pay My Library Fees • Scholarly Communication • Privacy Policy • Information Stewardship Policy • Friends of the Library • Borrow from Other Libraries • BLC WorldCat • ILLiad 	By keyword for <i>evidence based or EBM</i> by <u>MeSH</u> for evidence-based medicine http://library.tufts.edu/	By keyword for <i>evidence based or EBM</i> by <u>MeSH</u> for evidence-based medicine

Survey



Clear **expectations** from the NDAs

We are hoping that this **'Model List'** may serve our colleagues throughout the ERO zone for becoming more familiar with EBD and improving its implementation into practice.

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3. **Encourage** the NDAs for EBD sections for their web-sites
(provide **support** for the initial content)
 1. The 'model' list (*ready*)
 2. Presentation (*ready*)

Next steps:

- 1-** Statistical analysis and article for IDJ (Are there any geographical, gender or age differences in interpretation and/or implementation of EBD?) – New Delhi
- 2-** A ‘**model**’ article on implementation of EBD into daily practice on a topic relevant both for the NDAs and dental practitioners – to serve as a simple demonstration

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3. **Encourage** the NDAs for EBD sections for NDAs web-sites
(provide **support** for the initial content)

1. The 'model' list (*ready*)

2. Presentation (*ready*)

3. Article - survey

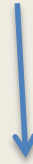
4. 'Model' article for practical implementation

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4. More close collaboration between ERO & ADEE

Survey



individual dentist within the ERO-zone feel that EBD is an area where the dental faculties and the NDAs can work together

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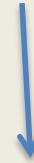
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ERO



Structure for the
NDAs

ADEE



Structure for the
dental faculties
(dental
education)

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4. Our suggestions as the WG for the ERO Board:

- We can **share the documents** we developed until now with them. The 2 articles and the statement. Then we can ask for their comments and suggestions. (also a wider dissemination of these documents among their members)
- We can ask them **to invite** us to their Congress for presentation of the work that we have done until now. E.g. Rīga - the 40th ADEE Annual Meeting. 'Emerging New Approaches to Dental Education' 28th-30th August 2014, Deadline for abstracts – 12.April.2014. Or the next meeting in 2015.
- There are various **Task Forces** within ADEE. Existing Task Forces may collaborate with us (with ERO and with our WG). Or they may create a specific Task Force for this purpose. (E.g. Collaboration with the NDAs or closing the gap between theory and practice)
- Sign an **MoU** between ERO and ADEE.
- We can ask their **opinion** as other modes of more close contact between ADEE and ERO.

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As the WG, we are grateful to

Eunice Carrilho, University of Coimbra, Portugal

Guliz N.Guncu, University of Hacettepe, Turkey

for their outstanding work and contribution for the development
of this ***'Model List'***.

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As the WG, we are grateful to

Seçil Karakoca Nemli, University of Gazi, Turkey

for her contribution to preparation of this presentation.

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Thank you

My colleagues in the WG..

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Thank you.

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