

DENTAL TEAM — ALMATY 2025

Dr Doniphan HAMMER (Chair)

WORKING PLAN

Review the ongoing training of the dental team in ERO


Goals

- ✓ Discover what is being done in the ERO countries
- ✓ Provide a useful information base for all stakeholders
- ✓ Create or improve points on your own continuing education system

HOW ? BY ON LINE SURVEY

- Dentist
- Dental Assistant (DA)
- DA with specialisation
- Chairside Assistant
- Dental Technician
- Administrative Assistant
- Dental Hygienist
- Other

ERO DT WG

doniphanhammer@gmail.com [Changer de compte](#) 

✉ Non partagé

* Indique une question obligatoire

Dental assistant

Is **dental assistant** part of dental team in your country? *

☒ Yes

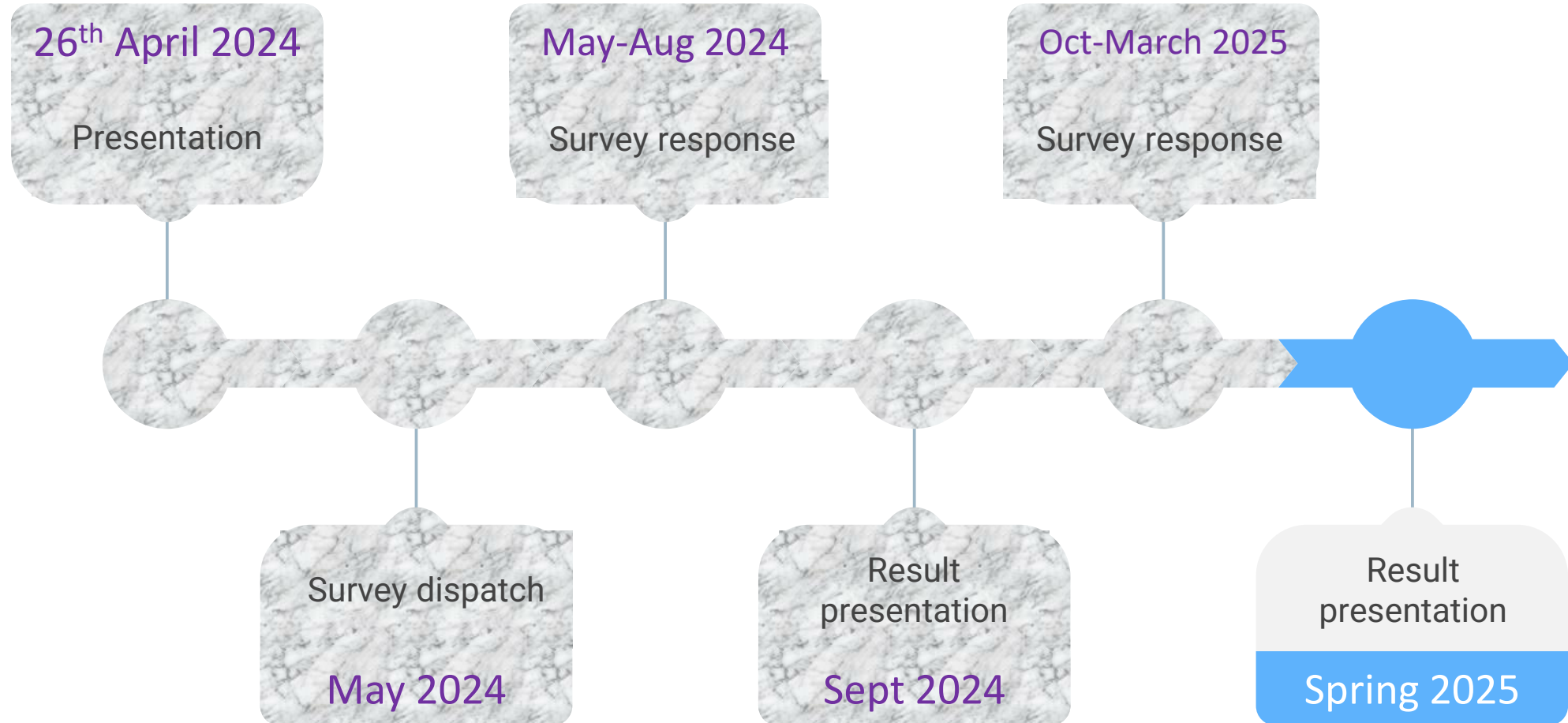
☐ No

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TIMELINE



HOW WE PROCEEDED

When ?

In person meeting

❖ Skopje (March 2025)

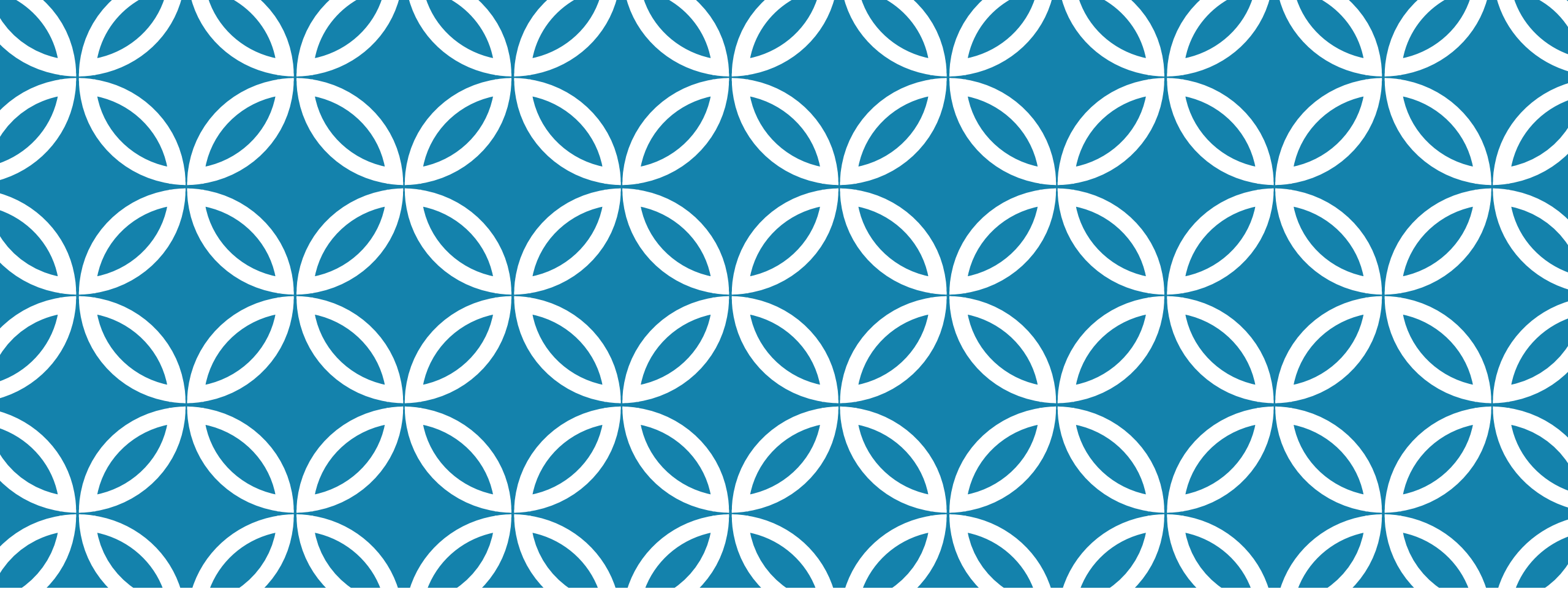
Who ?

Maria Laura Bondi, Kristjan Gutmann, Oleg Gladkov, Paula Perlea, Nikolai Sharkov, Philippe Decroock, Doris Seiz

Supervisor : Edoardo Cavalle,

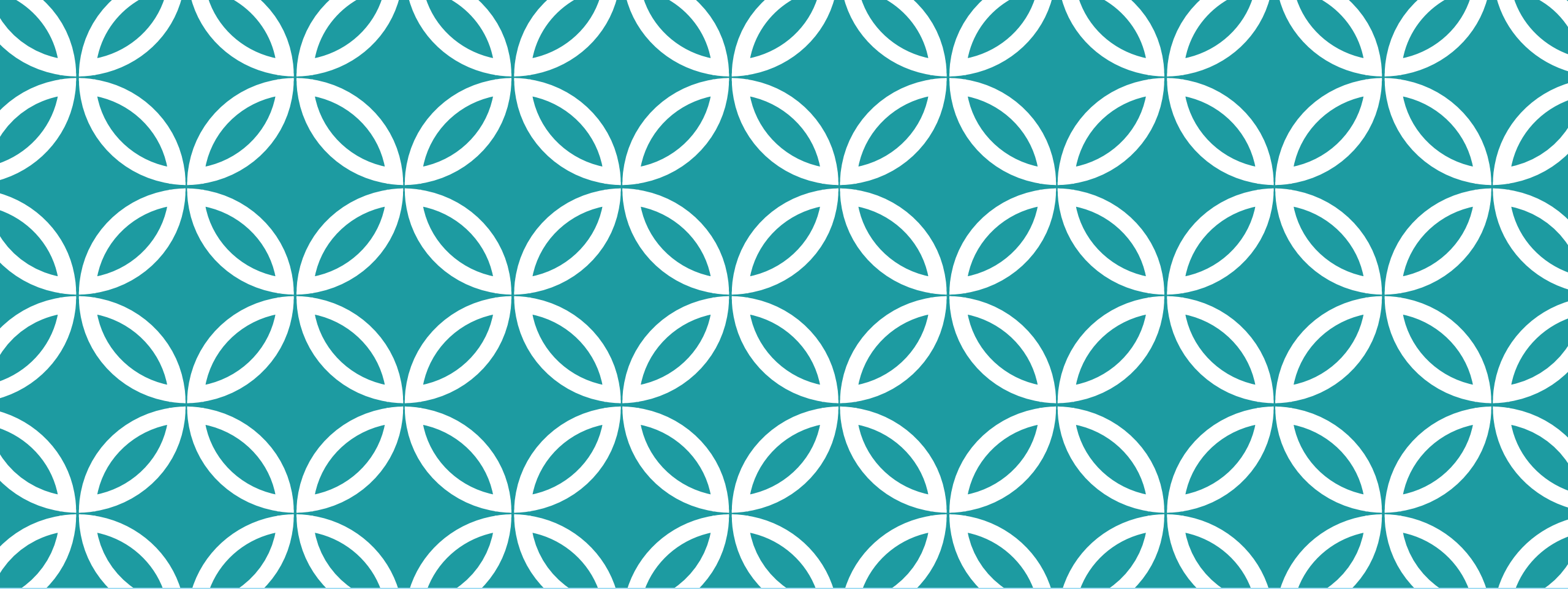
Super host : Marijan Denkovski





Doniphan Hammer - Kristjan Gutmann

QUESTIONNAIRE ANALYSIS



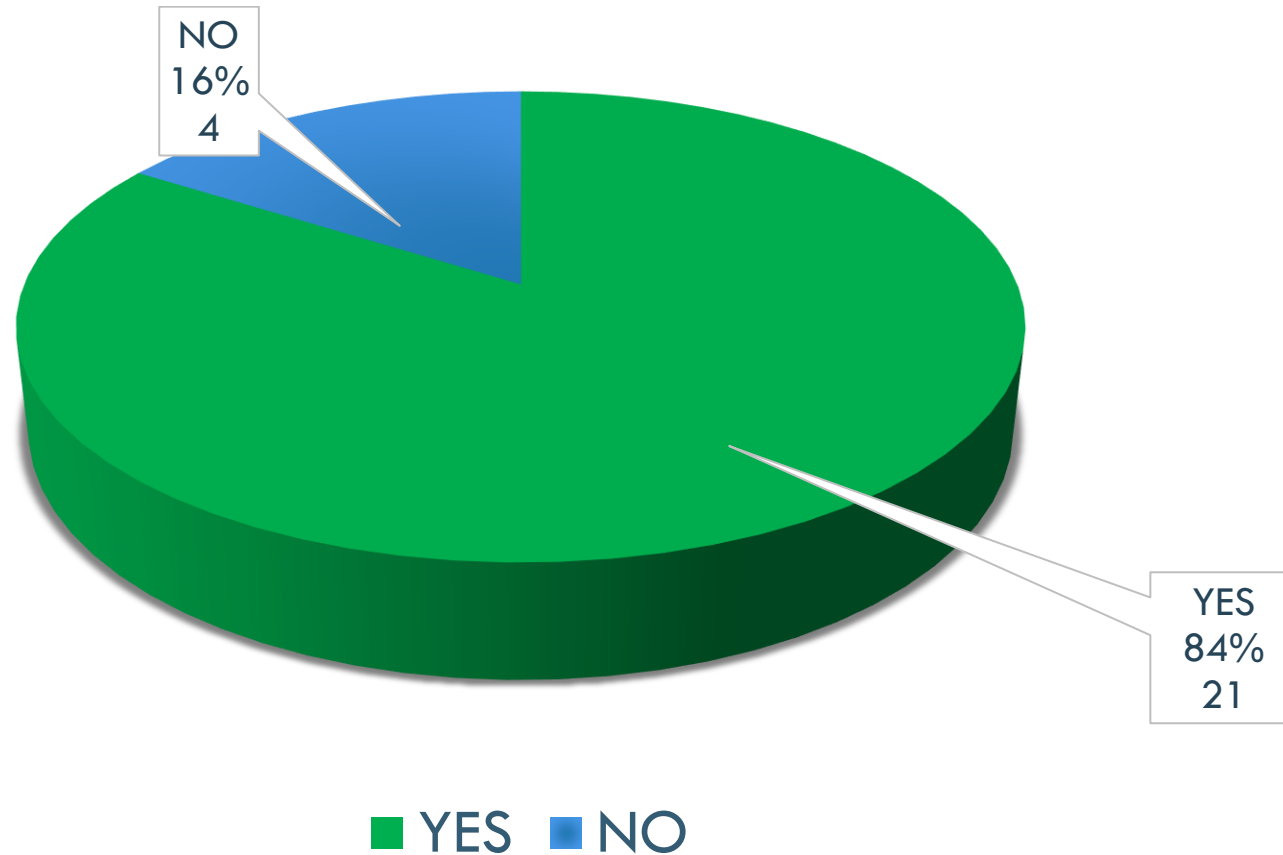
DENTIST

NUMBER OF RESPONDENTS

- 25 countries responded
- In 21 of them, continuing education was mandatory for dentists
- The basis for further analysis is then these 21 countries, all percentages are calculated from these countries, not from all responding countries.

| North Macedonia | Yes |
|---------------------|-----|
| ITALY | Yes |
| SPAIN | No |
| SLOVENIA | Yes |
| Israel | Yes |
| Austria | Yes |
| Germany | Yes |
| Czech Republic | Yes |
| Kazakhstan | Yes |
| Kosovo | Yes |
| Ukraine | Yes |
| Latvia | Yes |
| Estonia | Yes |
| France | Yes |
| Cyprus | Yes |
| the Kyrgyz Republic | Yes |
| Croatia | Yes |
| Netherlands | No |
| Belgium | Yes |
| GREECE | No |
| Bulgaria | Yes |
| ARMENIA | Yes |
| Switzerland | Yes |
| Türkiye | No |
| Romania | Yes |

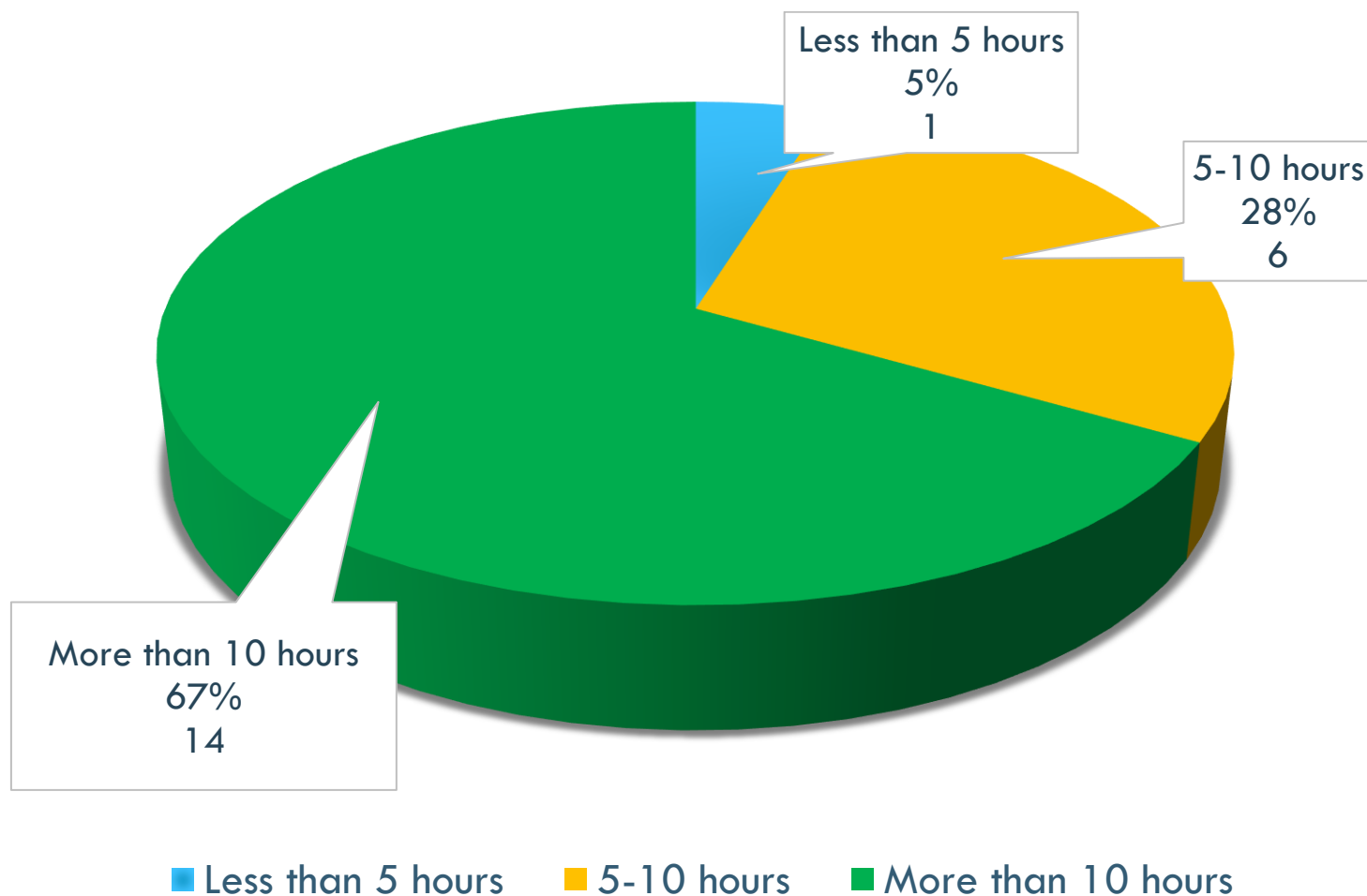
CE MANDATORY



- Countries are in order of giving answers

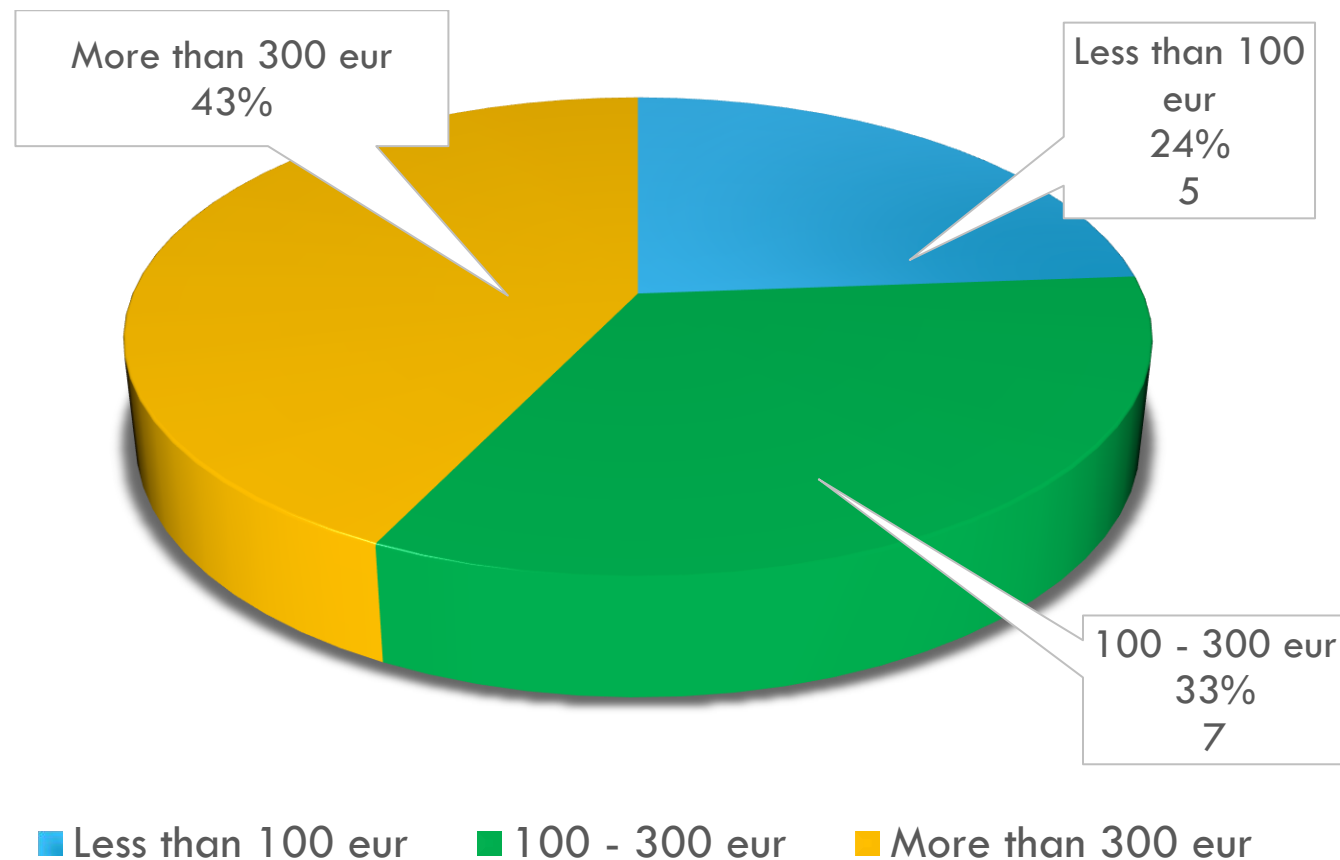
| North Macedonia | Yes |
|---------------------|-----|
| ITALY | Yes |
| SPAIN | No |
| SLOVENIA | Yes |
| Israel | Yes |
| Austria | Yes |
| Germany | Yes |
| Czech Republic | Yes |
| Kazakhstan | Yes |
| Kosovo | Yes |
| Ukraine | Yes |
| Latvia | Yes |
| Estonia | Yes |
| France | Yes |
| Cyprus | Yes |
| the Kyrgyz Republic | Yes |
| Croatia | Yes |
| Netherlands | No |
| Belgium | Yes |
| GREECE | No |
| Bulgaria | Yes |
| ARMENIA | Yes |
| Switzerland | Yes |
| Türkiye | No |
| Romania | Yes |

TIME REQUIREMENTS FOR CONTINUING EDUCATION FOR DENTISTS PER YEAR



| Austria | less than 5 hours |
|---------------------|--------------------|
| North Macedonia | 5 - 10 hours |
| Czech Republic | 5 - 10 hours |
| Kosovo | 5 - 10 hours |
| France | 5 - 10 hours |
| Croatia | 5 - 10 hours |
| Belgium | 5 - 10 hours |
| Italy | more than 10 hours |
| Slovenia | more than 10 hours |
| Israel | more than 10 hours |
| Germany | more than 10 hours |
| Kazakhstan | more than 10 hours |
| Ukraine | more than 10 hours |
| Latvia | more than 10 hours |
| Estonia | more than 10 hours |
| Cyprus | more than 10 hours |
| the Kyrgyz Republic | more than 10 hours |
| Bulgaria | more than 10 hours |
| Armenia | more than 10 hours |
| Switzerland | more than 10 hours |
| Romania | more than 10 hours |

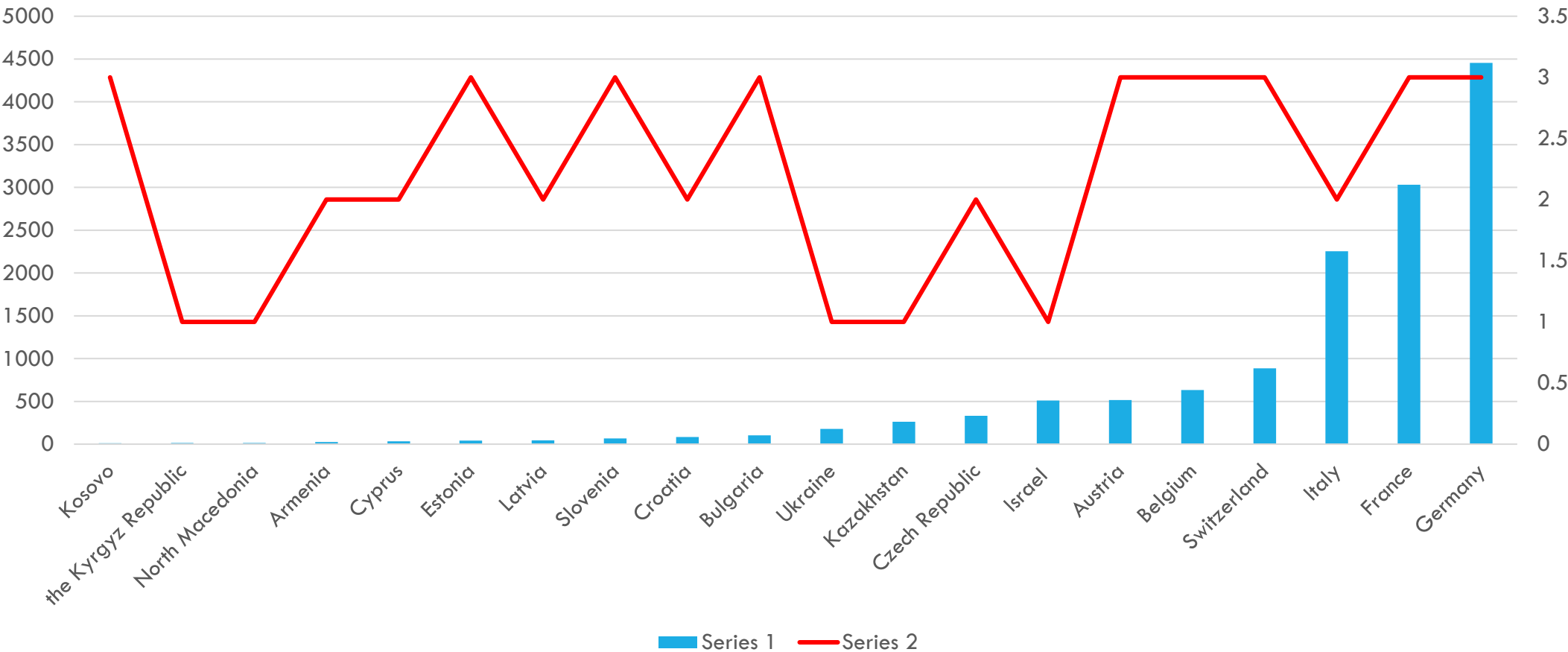
ESTIMATED COST OF CE FOR DENTISTS



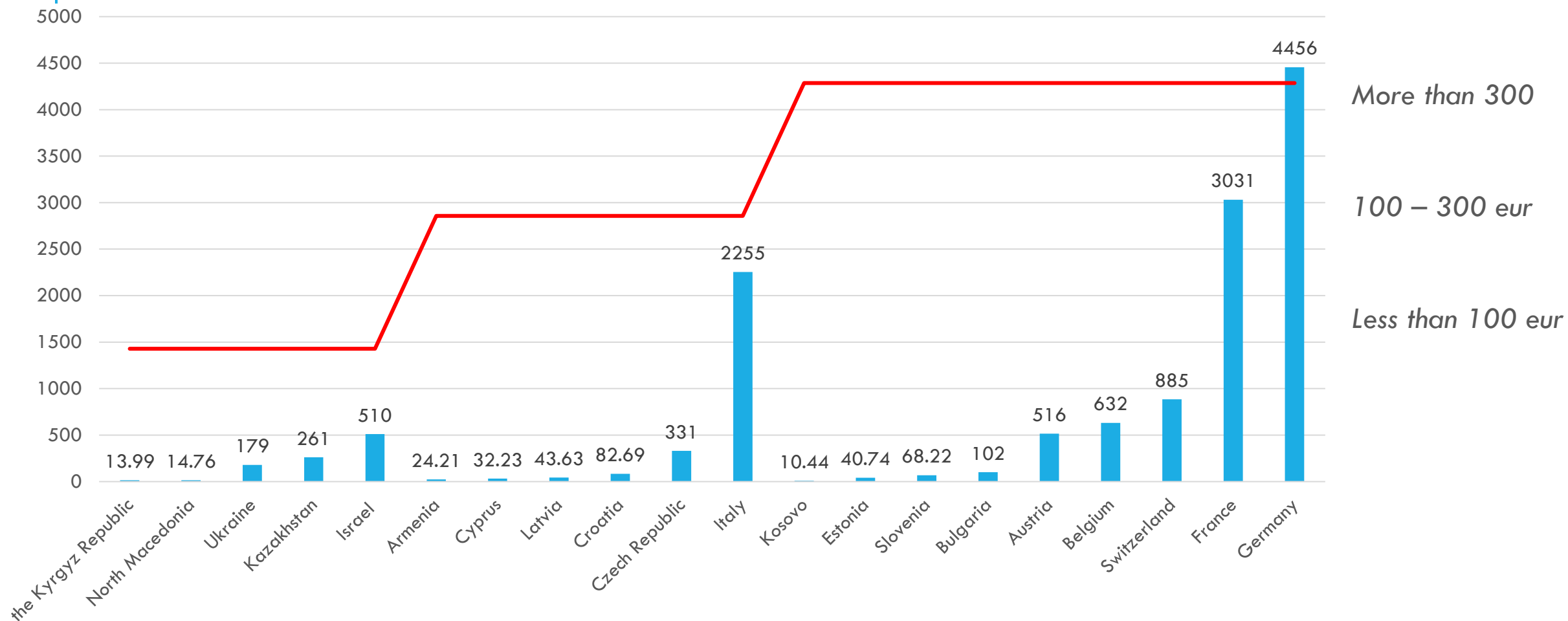
| North Macedonia | Less than 100 eur |
|---------------------|-------------------|
| Israel | Less than 100 eur |
| Kazakhstan | Less than 100 eur |
| Ukraine | Less than 100 eur |
| the Kyrgyz Republic | Less than 100 eur |
| Italy | 100 - 300 eur |
| Czech Republic | 100 - 300 eur |
| Latvia | 100 - 300 eur |
| Cyprus | 100 - 300 eur |
| Croatia | 100 - 300 eur |
| Armenia | 100 - 300 eur |
| Romania | 100-300 eur |
| Slovenia | More than 300 eur |
| Austria | More than 300 eur |
| Germany | More than 300 eur |
| Kosovo | More than 300 eur |
| Estonia | More than 300 eur |
| France | More than 300 eur |
| Belgium | More than 300 eur |
| Bulgaria | More than 300 eur |
| Switzerland | More than 300 eur |

GDP VS CE COSTS

Diagrammtitel

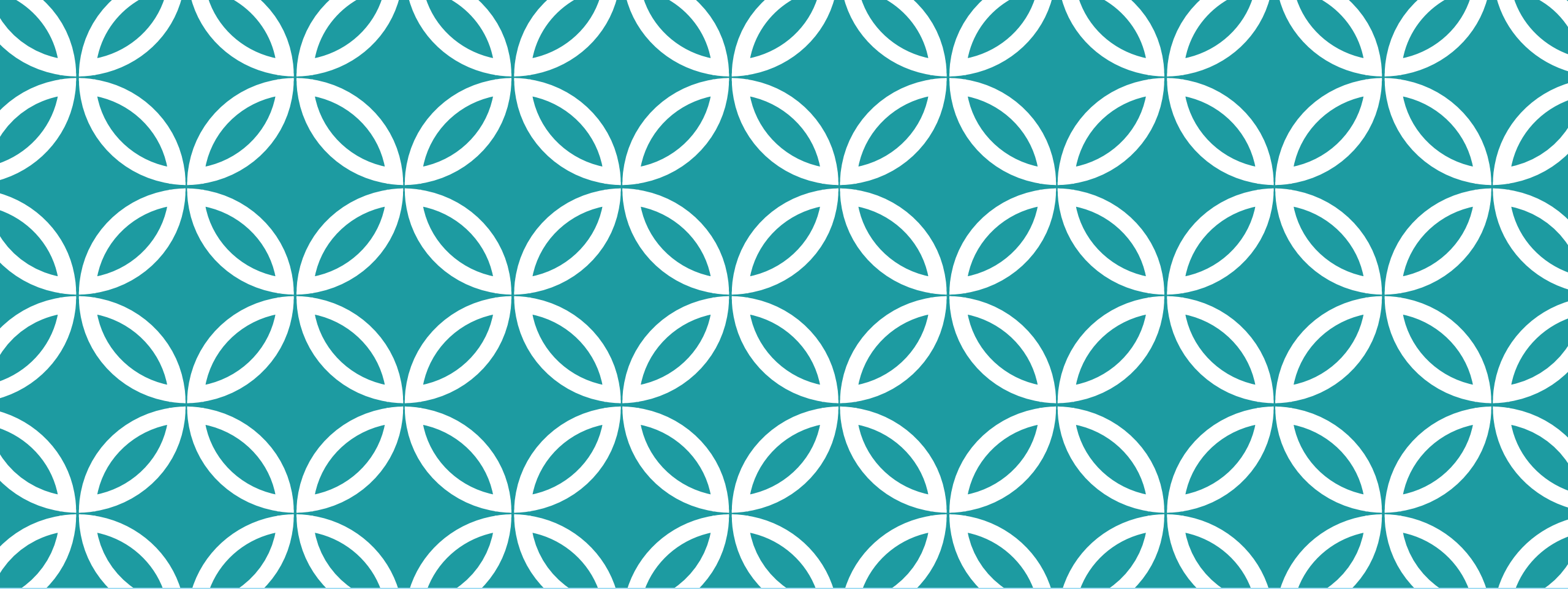


GDP (BILL USD) VS CE COSTS



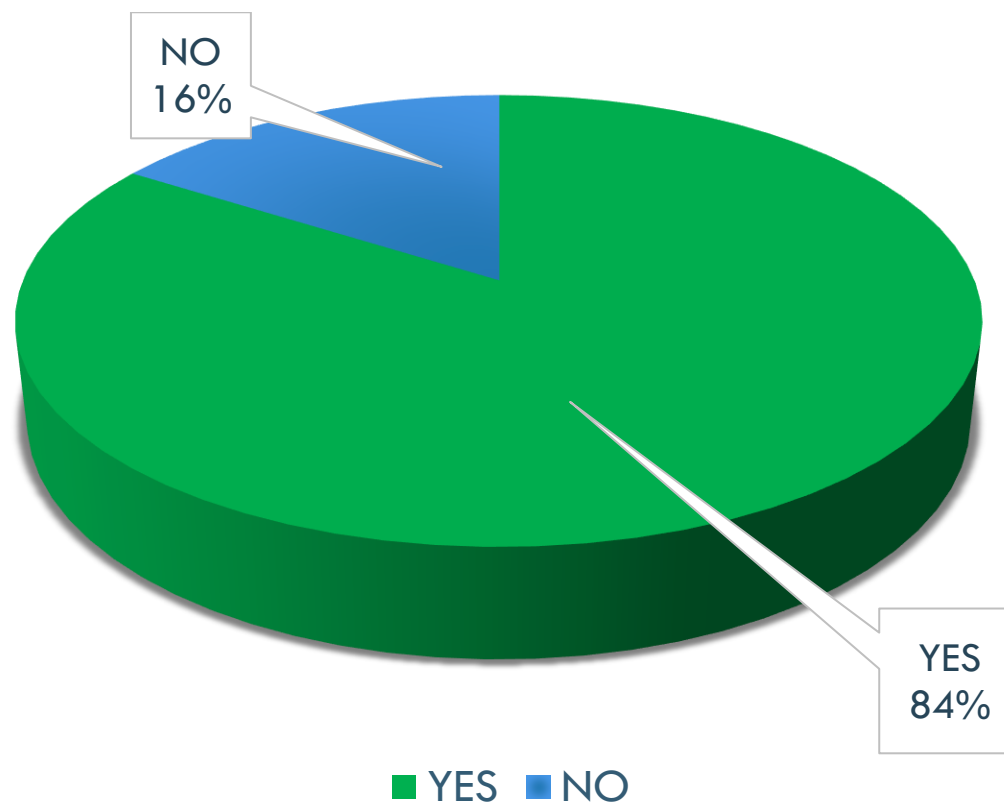
MAIN TOPICS OF CE FOR DENTISTS





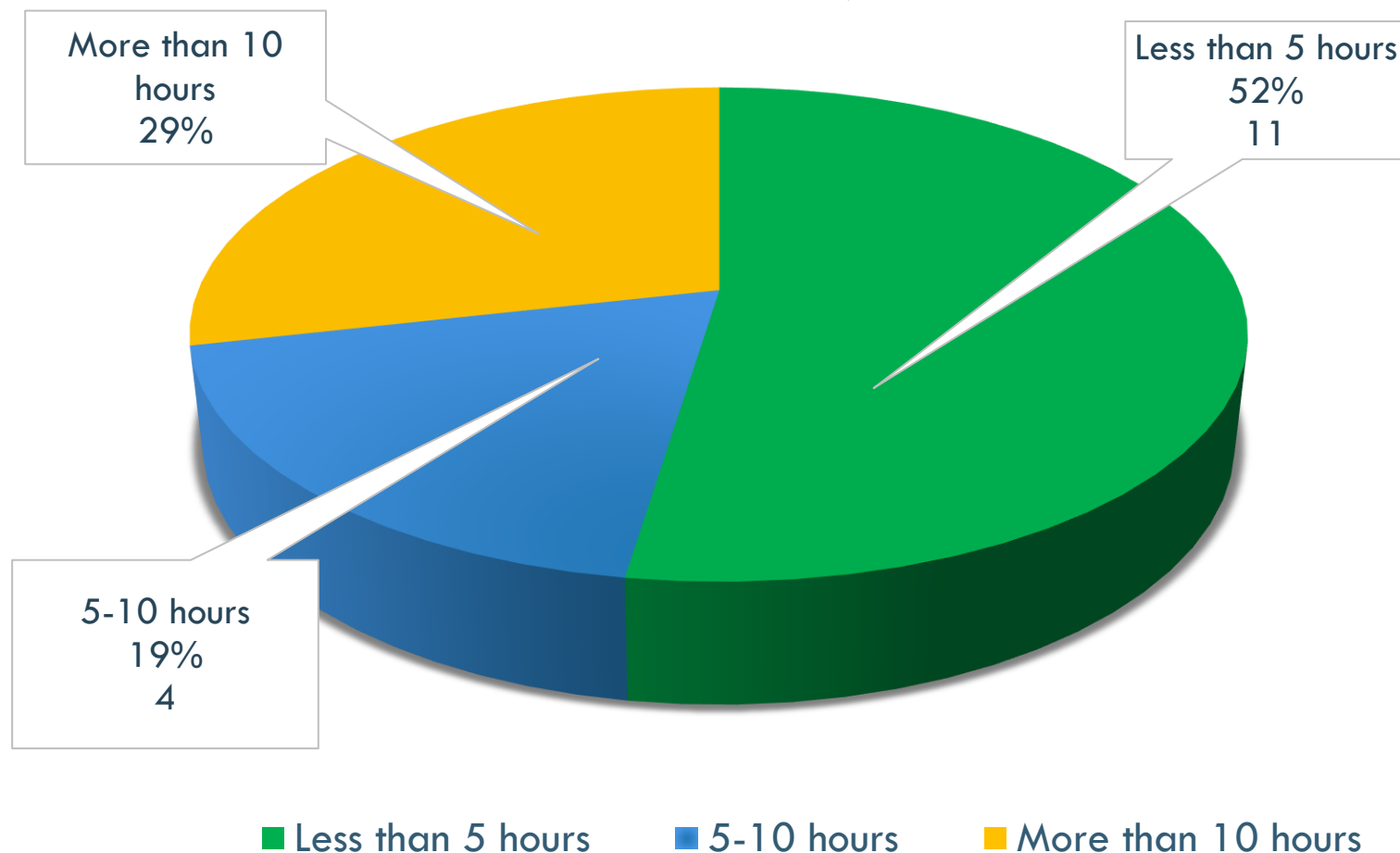
DENTAL ASSISTANT

DENTAL ASSISTANT AS A PART OF DENTAL TEAM



| North Macedonia | Yes |
|---------------------|-----|
| Italy | Yes |
| Spain | Yes |
| Slovenia | Yes |
| Israel | No |
| Austria | No |
| Germany | Yes |
| Czech Republic | Yes |
| Kazakhstan | Yes |
| Kosovo | Yes |
| Ukraine | Yes |
| Latvia | Yes |
| Estonia | Yes |
| France | Yes |
| Cyprus | No |
| the Kyrgyz Republic | Yes |
| Croatia | Yes |
| Netherlands | Yes |
| Belgium | Yes |
| Greece | No |
| Bulgaria | Yes |
| Armenia | Yes |
| Switzerland | Yes |
| Türkiye | Yes |
| Romania | Yes |

TIME REQUIREMENTS FOR CE FOR DENTAL ASSISTANT PER YEAR (21 COUNTRIES)

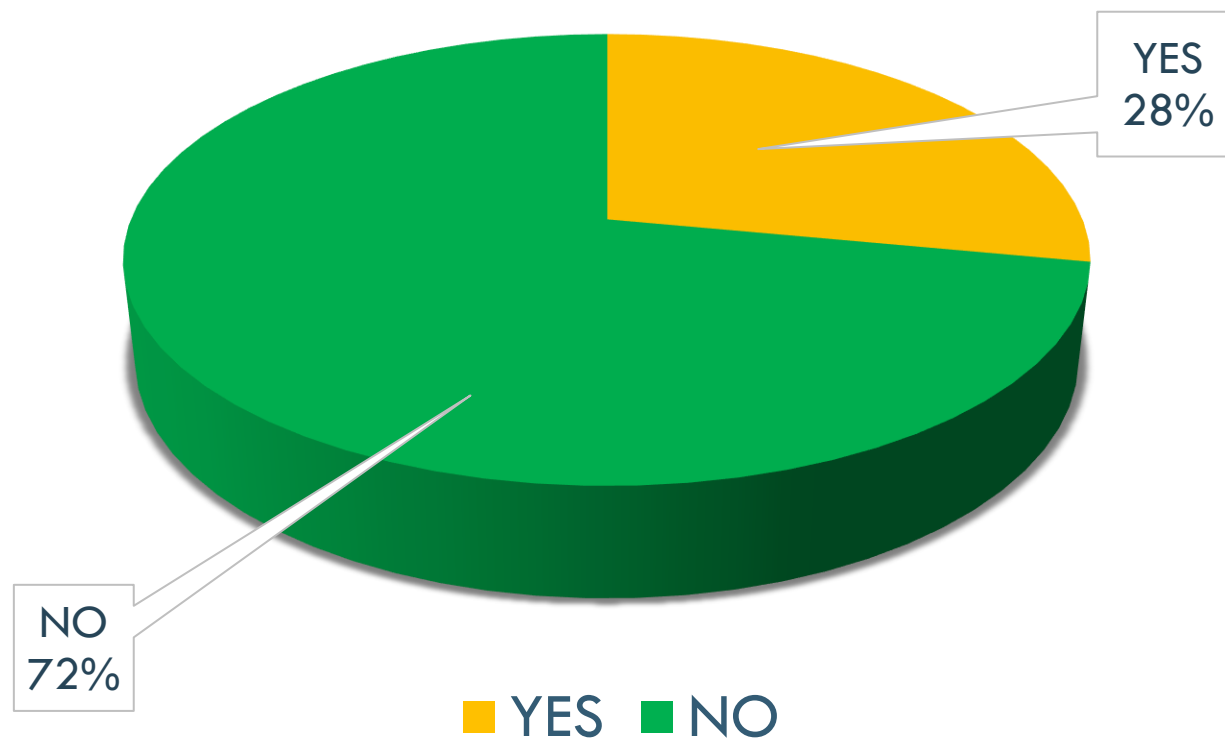


| North Macedonia | less than 5 hours |
|---------------------|--------------------|
| Spain | less than 5 hours |
| Slovenia | less than 5 hours |
| Germany | less than 5 hours |
| Czech Republic | less than 5 hours |
| Estonia | less than 5 hours |
| Netherlands | less than 5 hours |
| Belgium | less than 5 hours |
| Bulgaria | less than 5 hours |
| Switzerland | less than 5 hours |
| Türkiye | less than 5 hours |
| Italy | 5 - 10 hours |
| Kosovo | 5 - 10 hours |
| France | 5 - 10 hours |
| Croatia | 5 - 10 hours |
| Kazakhstan | more than 10 hours |
| Ukraine | more than 10 hours |
| Latvia | more than 10 hours |
| the Kyrgyz Republic | more than 10 hours |
| Armenia | more than 10 hours |
| Romania | more than 10 hours |



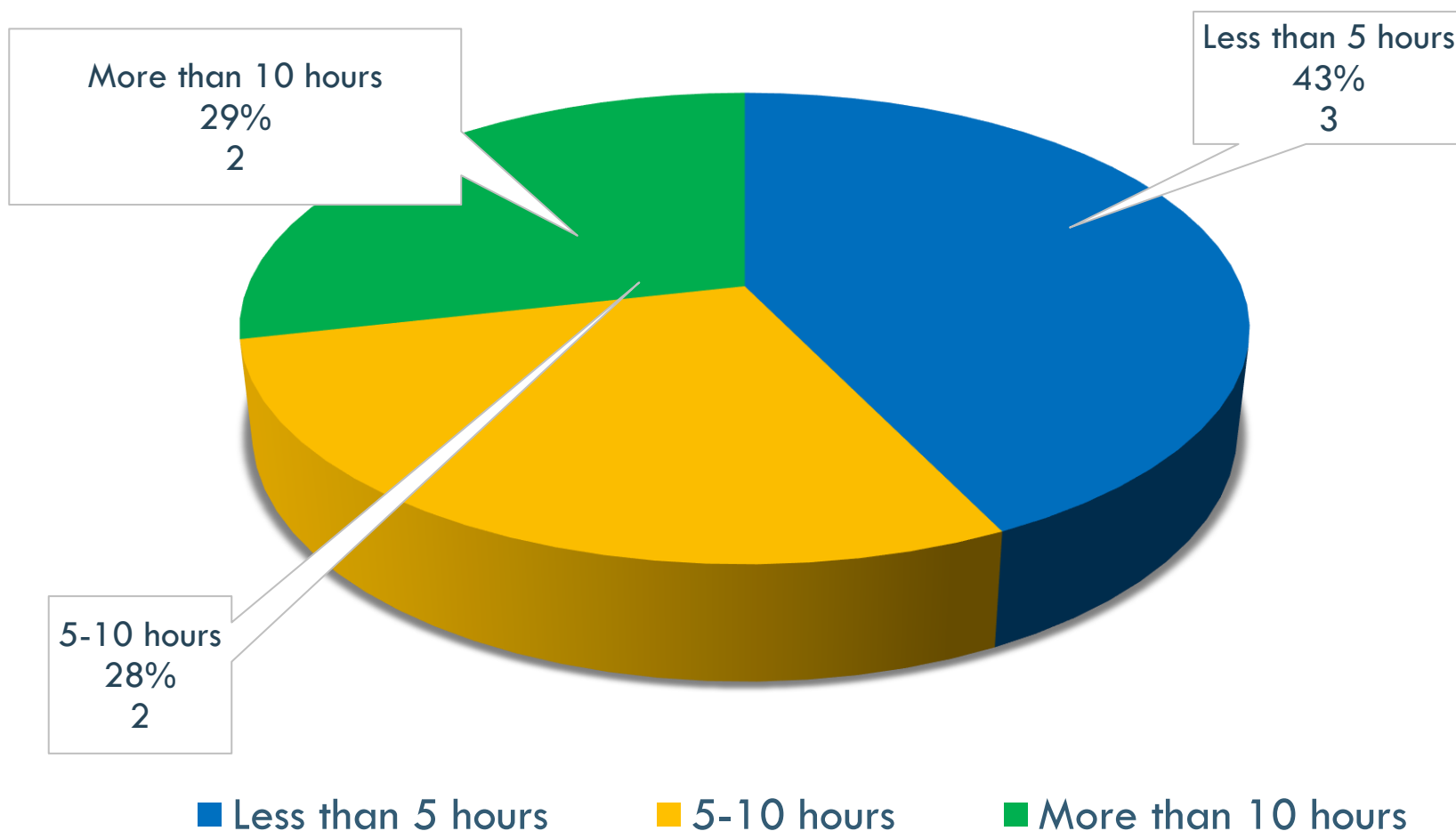
DENTAL ASSISTANT WITH SPECIALIZATION

DENTAL ASSISTANT WITH SPECIALIZATION AS A PART OF DENTAL TEAM

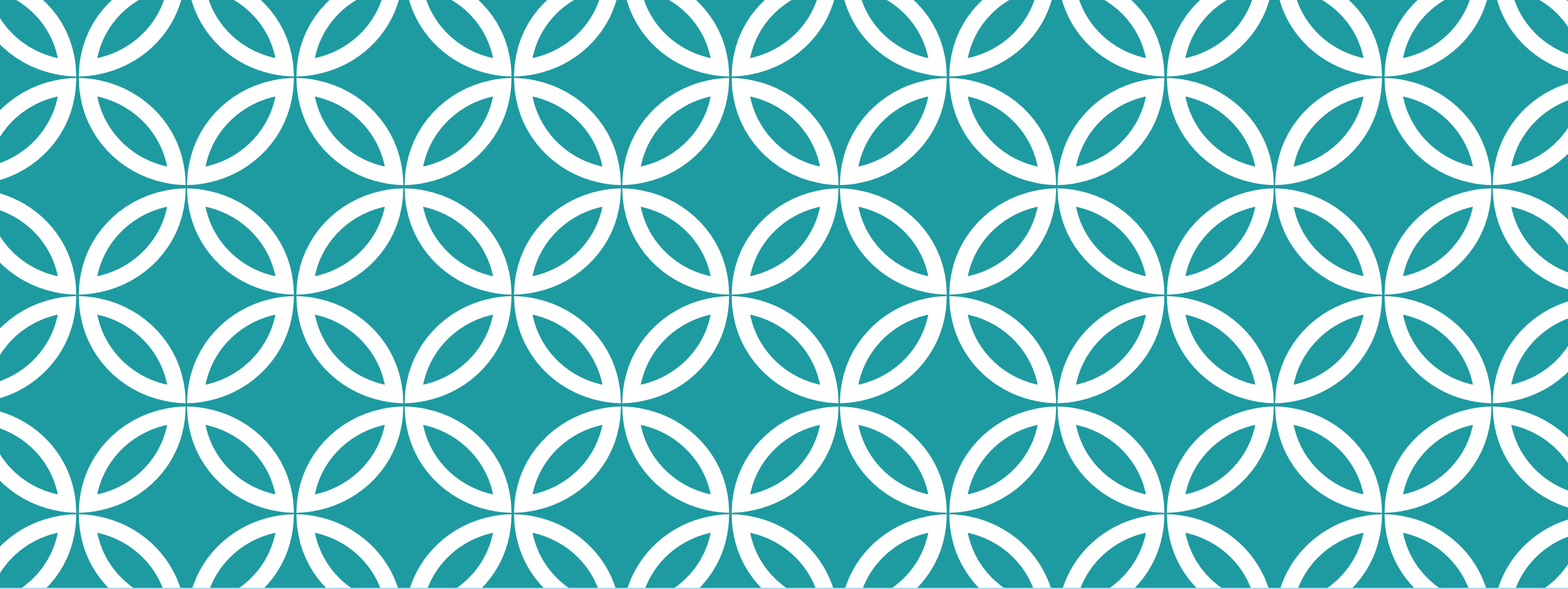


| North Macedonia | No |
|---------------------|-----|
| Italy | No |
| Spain | No |
| Slovenia | Yes |
| Israel | No |
| Austria | No |
| Germany | Yes |
| Czech Republic | No |
| Kazakhstan | No |
| Kosovo | No |
| Ukraine | Yes |
| Latvia | Yes |
| Estonia | No |
| France | No |
| Cyprus | No |
| the Kyrgyz Republic | No |
| Croatia | No |
| Netherlands | Yes |
| Belgium | No |
| Greece | No |
| Bulgaria | No |
| Armenia | No |
| Switzerland | Yes |
| Türkiye | No |
| Romania | Yes |

TIME REQUIREMENTS FOR CE FOR DENTAL ASSISTANTS WITH SPECIALIZATION PER YEAR (7)

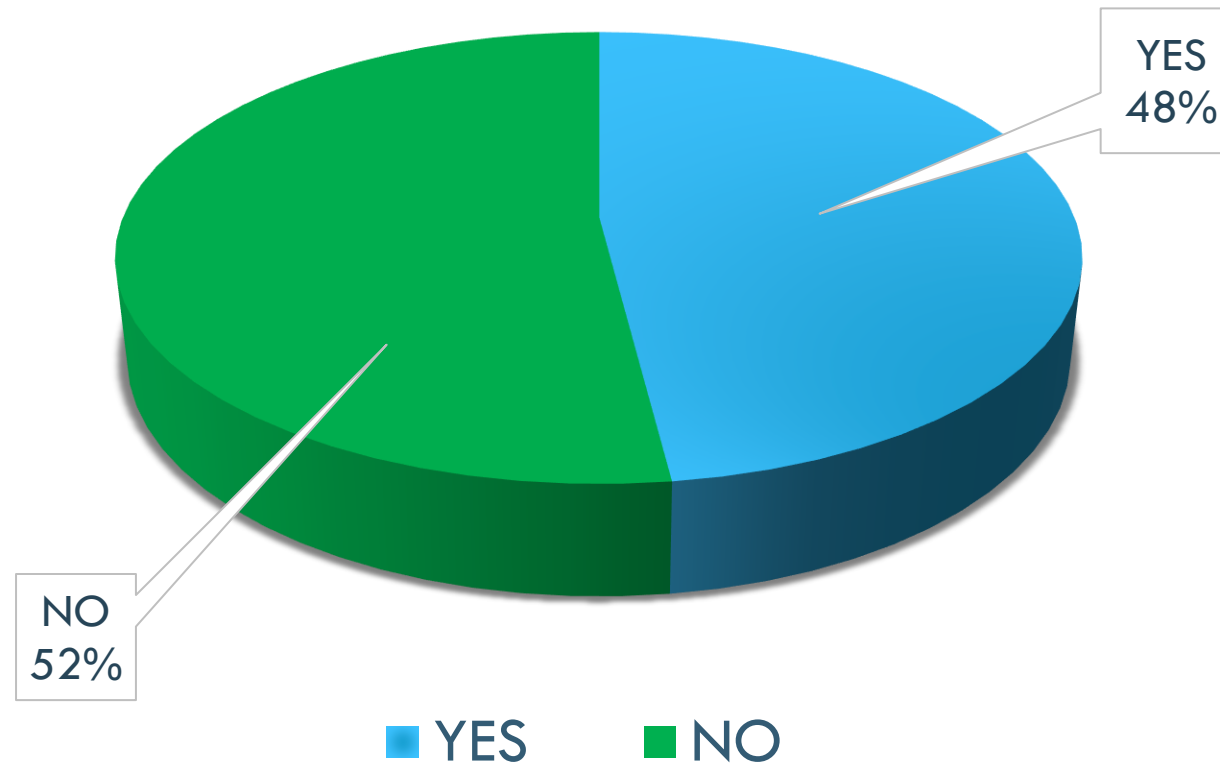


| Germany | less than 5 hours |
|-------------|--------------------|
| Netherlands | less than 5 hours |
| Switzerland | less than 5 hours |
| Slovenia | 5 - 10 hours |
| Latvia | 5 - 10 hours |
| Ukraine | more than 10 hours |
| Romania | more than 10 hours |



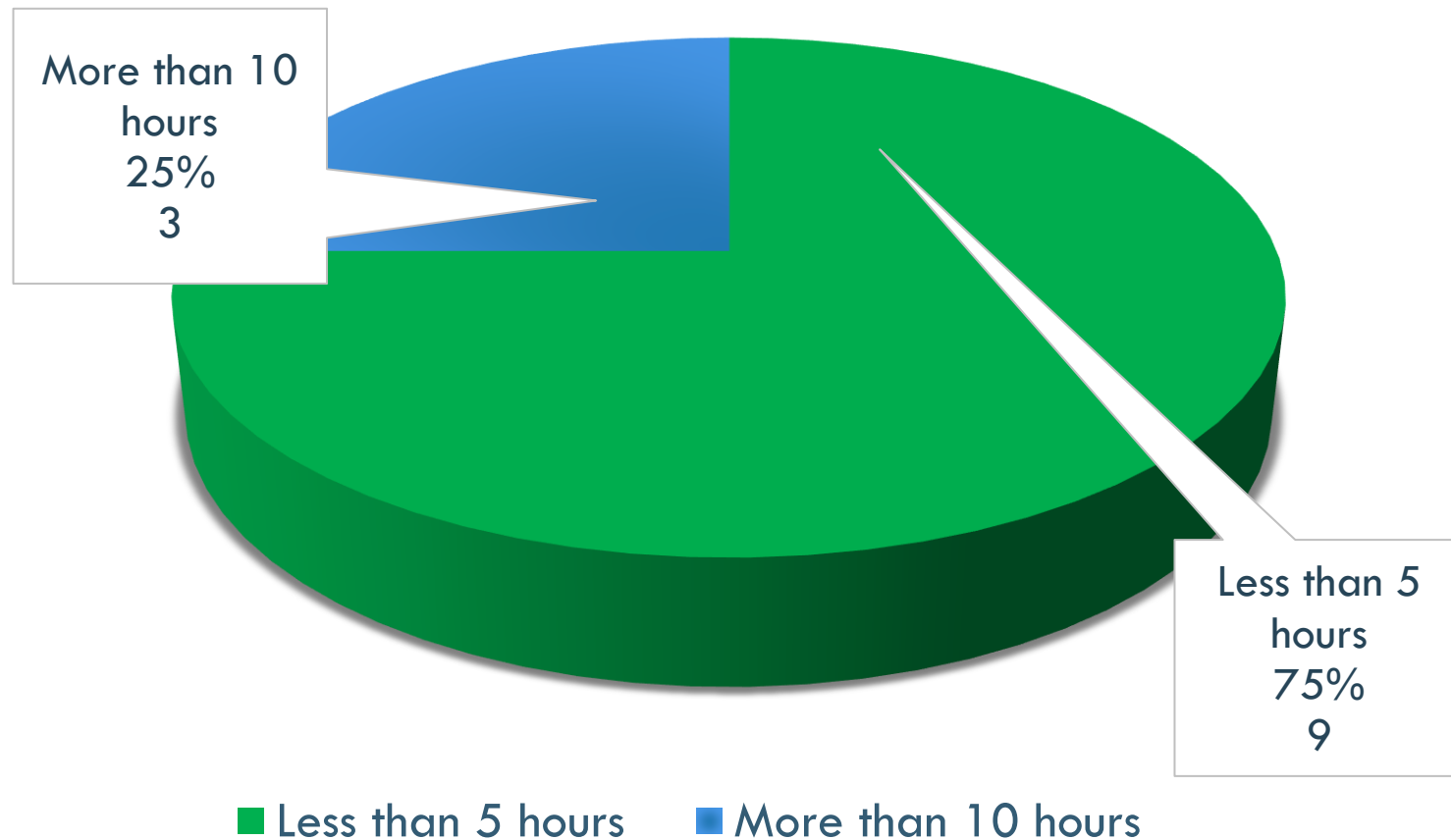
CHAIRSIDE ASSISTANT

CHAIRSIDE ASSISTANT AS A PART OF DENTAL TEAM

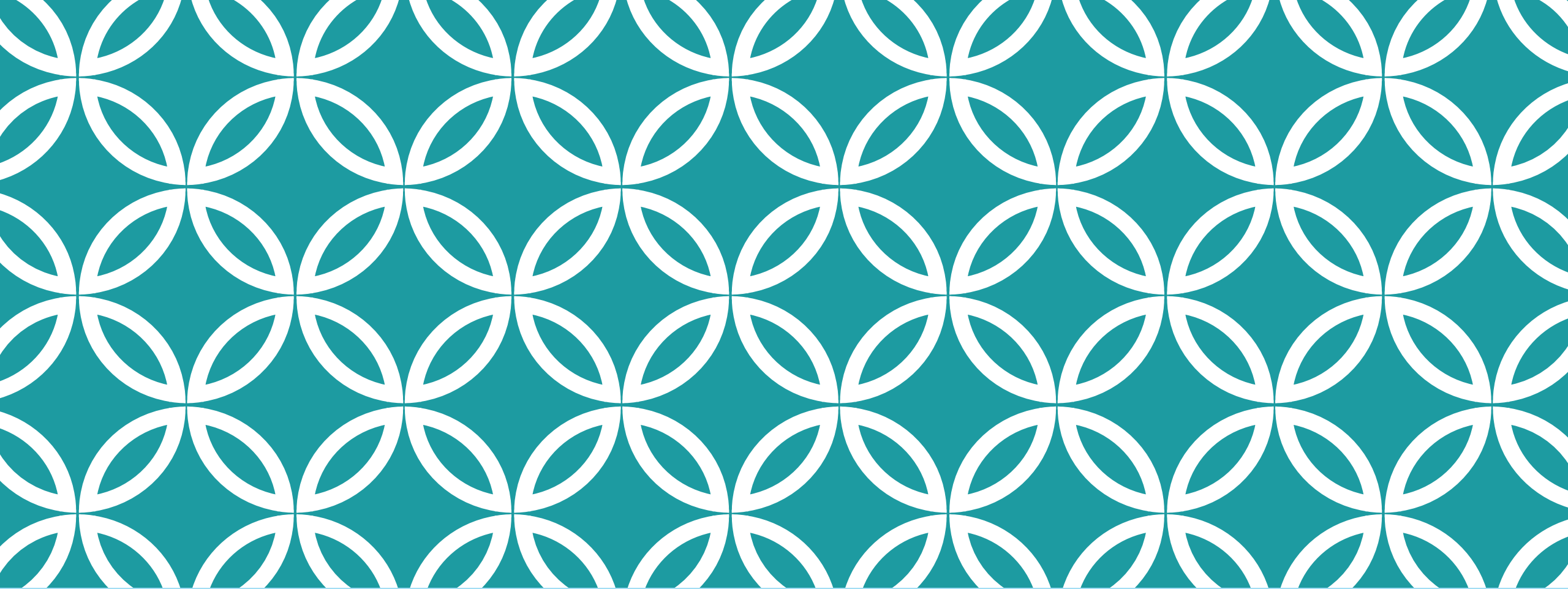


| North Macedonia | No |
|---------------------|-----|
| Italy | No |
| Spain | Yes |
| Slovenia | No |
| Israel | Yes |
| Austria | Yes |
| Germany | Yes |
| Czech Republic | Yes |
| Kazakhstan | No |
| Kosovo | No |
| Ukraine | Yes |
| Latvia | No |
| Estonia | No |
| France | No |
| Cyprus | No |
| the Kyrgyz Republic | Yes |
| Croatia | No |
| Netherlands | Yes |
| Belgium | No |
| Greece | No |
| Bulgaria | Yes |
| Armenia | Yes |
| Switzerland | Yes |
| Türkiye | Yes |
| Romania | No |

TIME REQUIREMENTS FOR CE FOR CHAIRSIDE ASSISTANT PER YEAR (12)



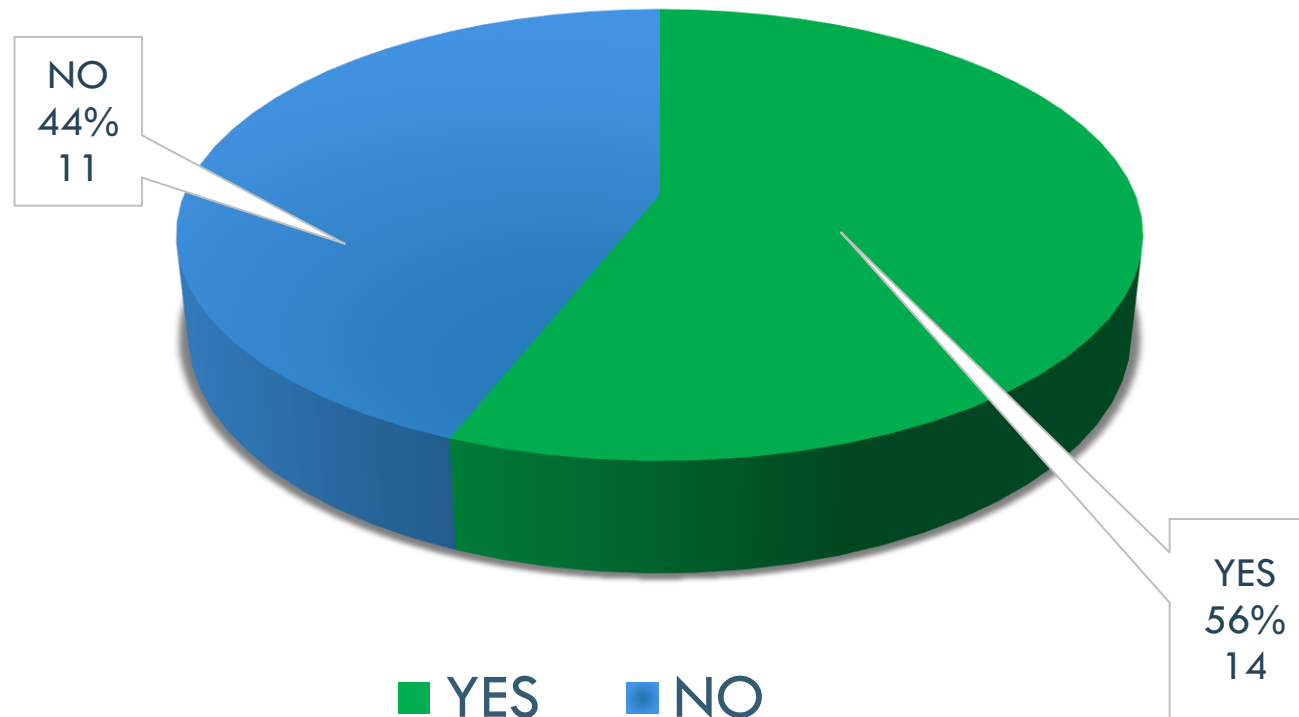
| Germany | less than 5 hours |
|---------------------|--------------------|
| Netherlands | less than 5 hours |
| Switzerland | less than 5 hours |
| Spain | less than 5 hours |
| Türkiye | less than 5 hours |
| Czech Republic | less than 5 hours |
| Bulgaria | less than 5 hours |
| Israel | less than 5 hours |
| Austria | less than 5 hours |
| Ukraine | more than 10 hours |
| Armenia | more than 10 hours |
| the Kyrgyz Republic | more than 10 hours |



DENTAL HYGIENIST

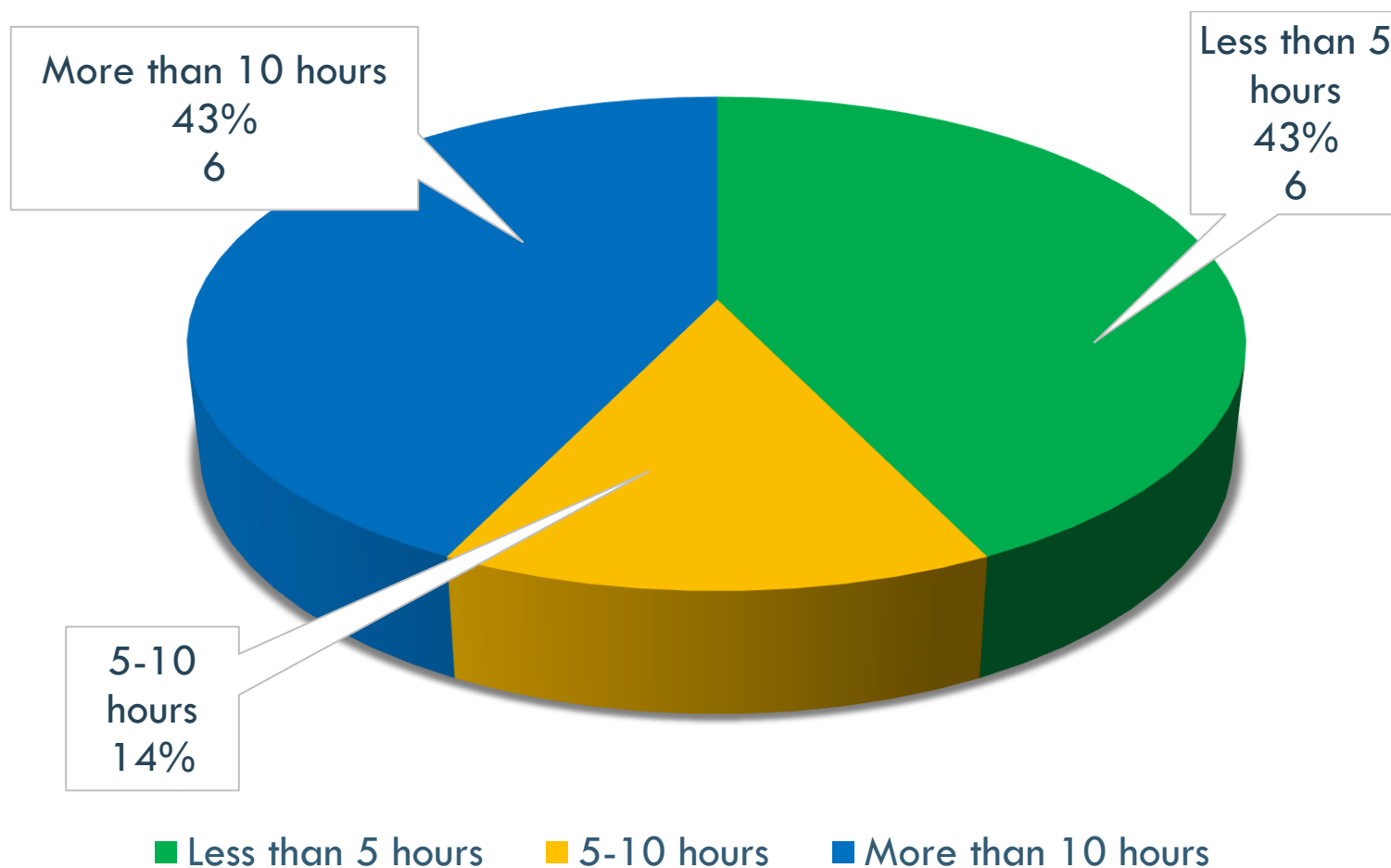


DENTAL HYGIENIST AS A PART OF DENTAL TEAM



| North Macedonia | No |
|---------------------|-----|
| Italy | Yes |
| Spain | Yes |
| Slovenia | No |
| Israel | Yes |
| Austria | No |
| Germany | Yes |
| Czech Republic | Yes |
| Kazakhstan | No |
| Kosovo | No |
| Ukraine | Yes |
| Latvia | Yes |
| Estonia | Yes |
| France | No |
| Cyprus | No |
| the Kyrgyz Republic | Yes |
| Croatia | Yes |
| Netherlands | Yes |
| Belgium | Yes |
| Greece | No |
| Bulgaria | No |
| Armenia | Yes |
| Switzerland | Yes |
| Türkiye | No |
| Romania | No |

TIME REQUIREMENTS FOR CE FOR DENTAL HYGIENISTS PER YEAR



| Spain | less than 5 hours |
|---------------------|--------------------|
| Israel | less than 5 hours |
| Estonia | less than 5 hours |
| Czech Republic | less than 5 hours |
| Netherlands | less than 5 hours |
| Switzerland | less than 5 hours |
| Croatia | 5 - 10 hours |
| Belgium | 5 - 10 hours |
| Germany | more than 10 hours |
| Ukraine | more than 10 hours |
| Italy | more than 10 hours |
| Latvia | more than 10 hours |
| the Kyrgyz Republic | more than 10 hours |
| Armenia | more than 10 hours |

SPECIAL CONTINUOUS EDUCATION REQUIREMENTS FOR DENTAL HYGIENISTS

X-ray, sterilization – Spain

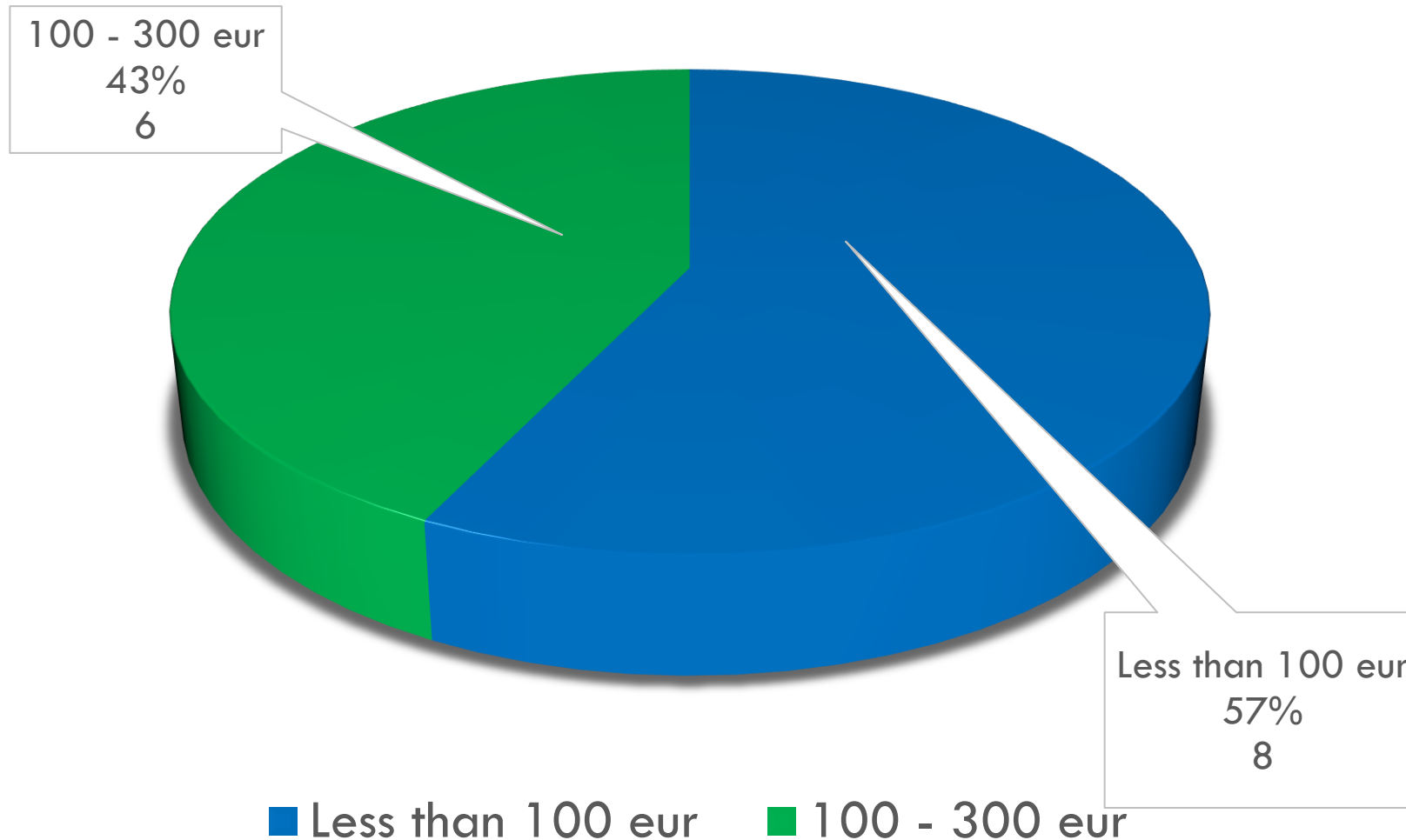
x-ray – Germany

Yes – Ukraine

Yes – the Kyrgyz Republic

Yes – Armenia

ESTIMATED COST OF CE FOR DENTAL HYGIENISTS



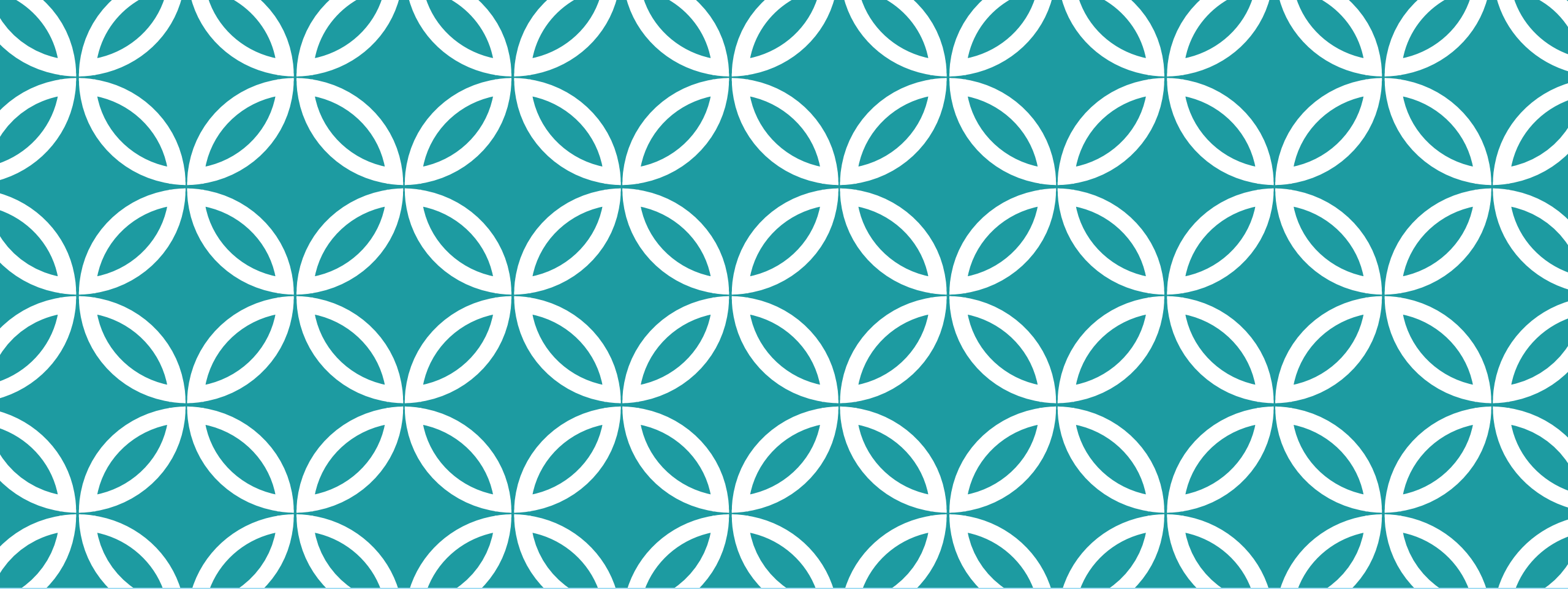
| Israel | Less than 100 eur |
|---------------------|-------------------|
| Estonia | Less than 100 eur |
| Czech Republic | Less than 100 eur |
| Netherlands | Less than 100 eur |
| Switzerland | Less than 100 eur |
| Croatia | Less than 100 eur |
| Ukraine | Less than 100 eur |
| the Kyrgyz Republic | Less than 100 eur |
| Spain | 100 - 300 eur |
| Belgium | 100 - 300 eur |
| Germany | 100 - 300 eur |
| Italy | 100 - 300 eur |
| Latvia | 100 - 300 eur |
| Armenia | 100 - 300 eur |

MAIN TOPICS OF CE FOR DENTAL HYGIENISTS



TIME REQUIREMENT DENTIST VS DENTAL HYGIENIST

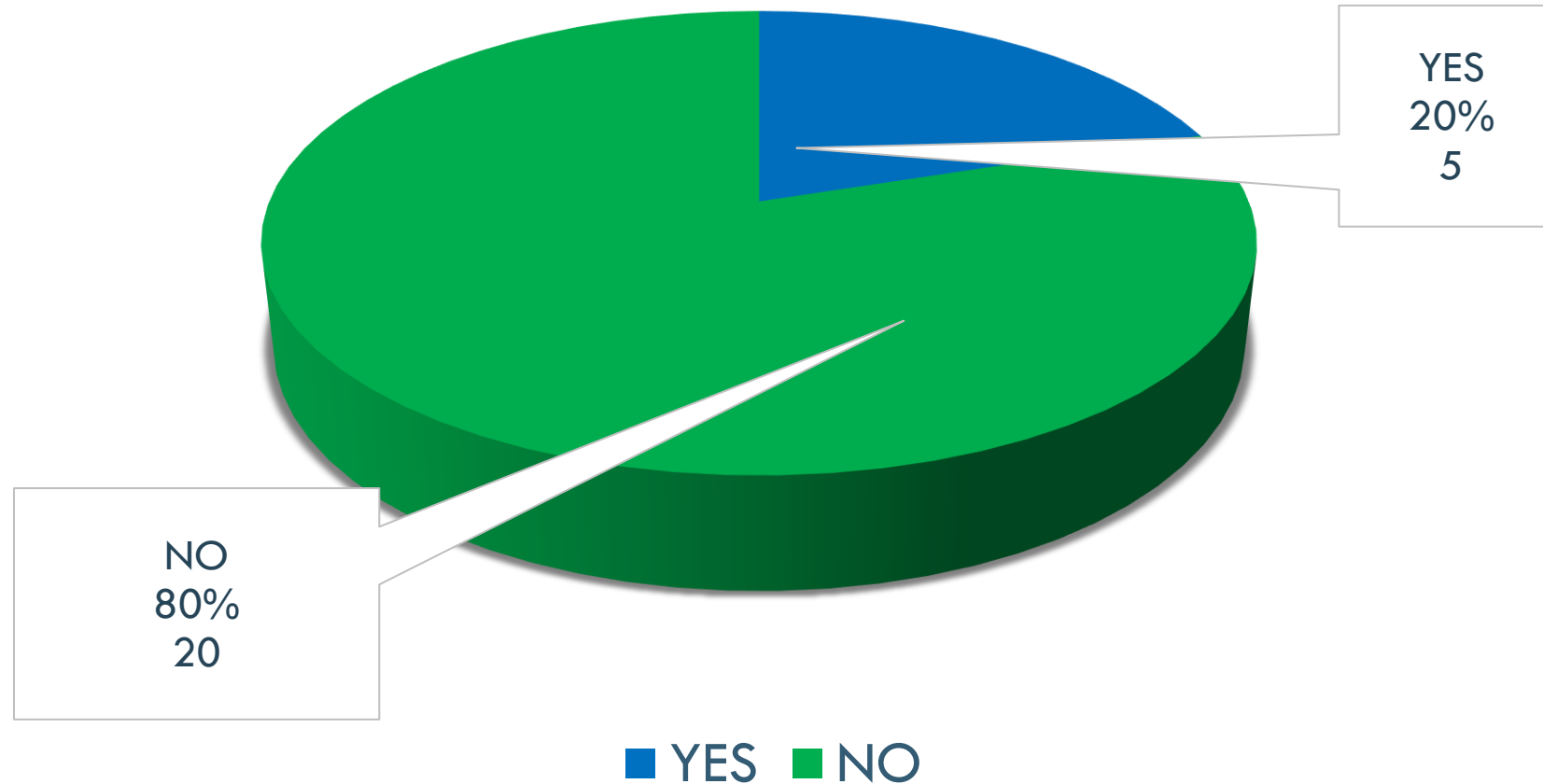
| | Dentist | Hygienist |
|---------------------|--------------------|--------------------|
| North Macedonia | 5 - 10 hours | |
| Italy | more than 10 hours | more than 10 hours |
| Spain | | less than 5 hours |
| Slovenia | more than 10 hours | |
| Israel | more than 10 hours | less than 5 hours |
| Austria | less than 5 hours | |
| Germany | more than 10 hours | more than 10 hours |
| Czech Republic | 5 - 10 hours | less than 5 hours |
| Kazakhstan | more than 10 hours | |
| Kosovo | 5 - 10 hours | |
| Ukraine | more than 10 hours | more than 10 hours |
| Latvia | more than 10 hours | more than 10 hours |
| Estonia | more than 10 hours | less than 5 hours |
| France | 5 - 10 hours | |
| Cyprus | more than 10 hours | |
| the Kyrgyz Republic | more than 10 hours | more than 10 hours |
| Croatia | 5 - 10 hours | 5 - 10 hours |
| Netherlands | | less than 5 hours |
| Belgium | 5 - 10 hours | 5 - 10 hours |
| Greece | | |
| Bulgaria | more than 10 hours | |
| Armenia | more than 10 hours | more than 10 hours |
| Switzerland | more than 10 hours | less than 5 hours |
| Türkiye | | |



ADMINISTRATIVE ASSISTANT

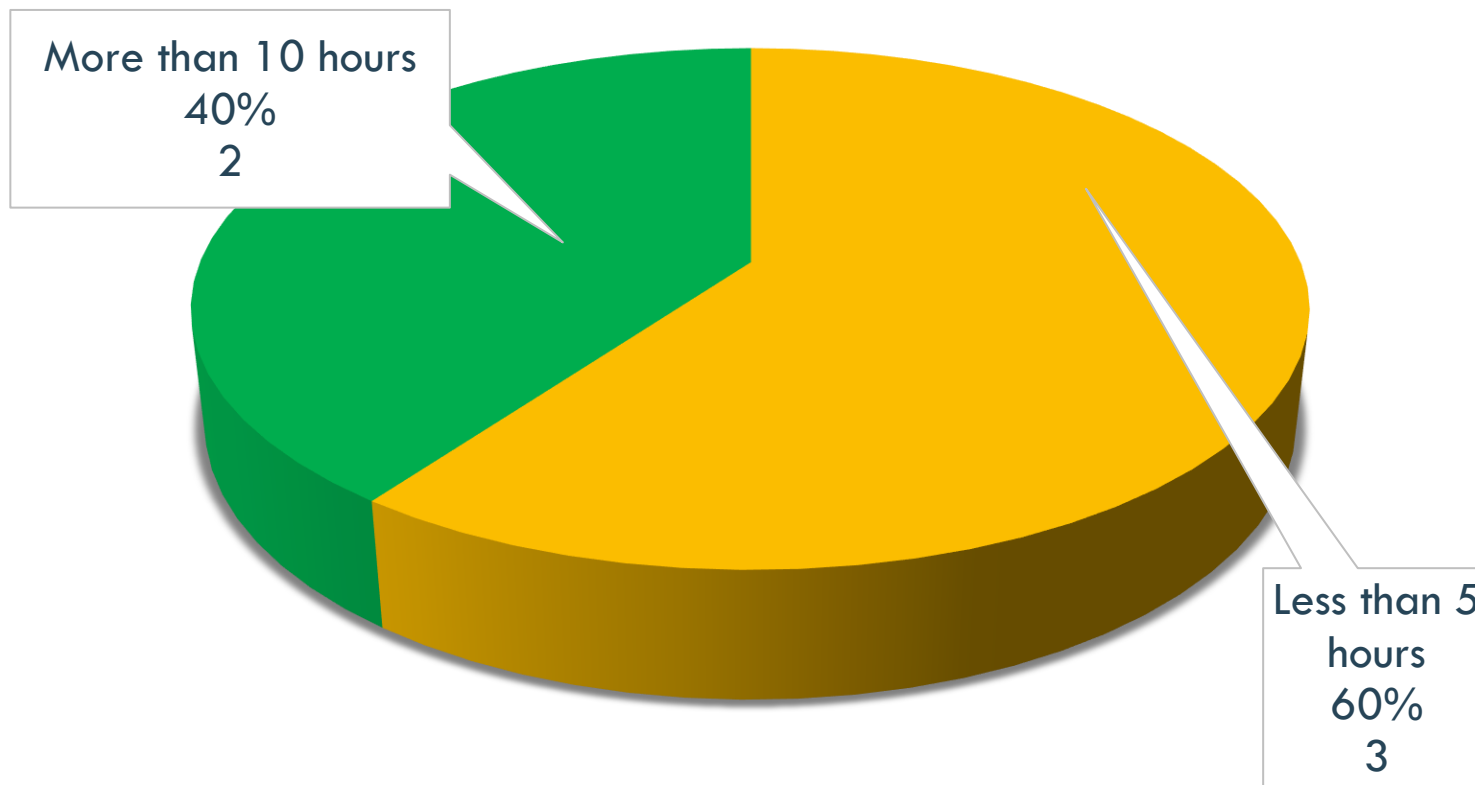


ADMINISTRATIVE ASSISTANTS AS A PART OF DENTAL TEAM



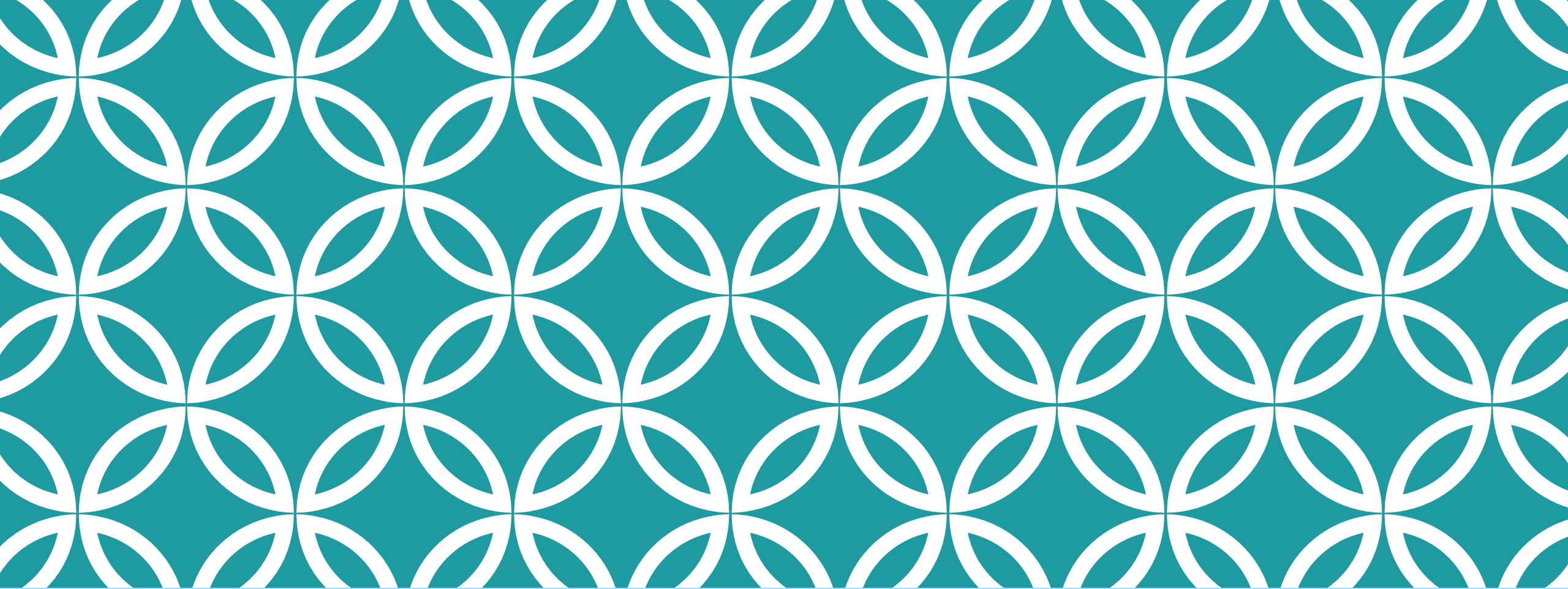
| North Macedonia | No |
|---------------------|-----|
| Italy | No |
| Spain | No |
| Slovenia | No |
| Israel | No |
| Austria | No |
| Germany | Yes |
| Czech Republic | No |
| Kazakhstan | No |
| Kosovo | No |
| Ukraine | Yes |
| Latvia | No |
| Estonia | No |
| France | No |
| Cyprus | No |
| the Kyrgyz Republic | No |
| Croatia | No |
| Netherlands | Yes |
| Belgium | No |
| Greece | No |
| Bulgaria | No |
| Armenia | Yes |
| Switzerland | Yes |
| Türkiye | No |
| Romania | No |

TIME REQUIREMENTS FOR CE FOR ADMINISTRATIVE ASSISTANTS PER YEAR (5)



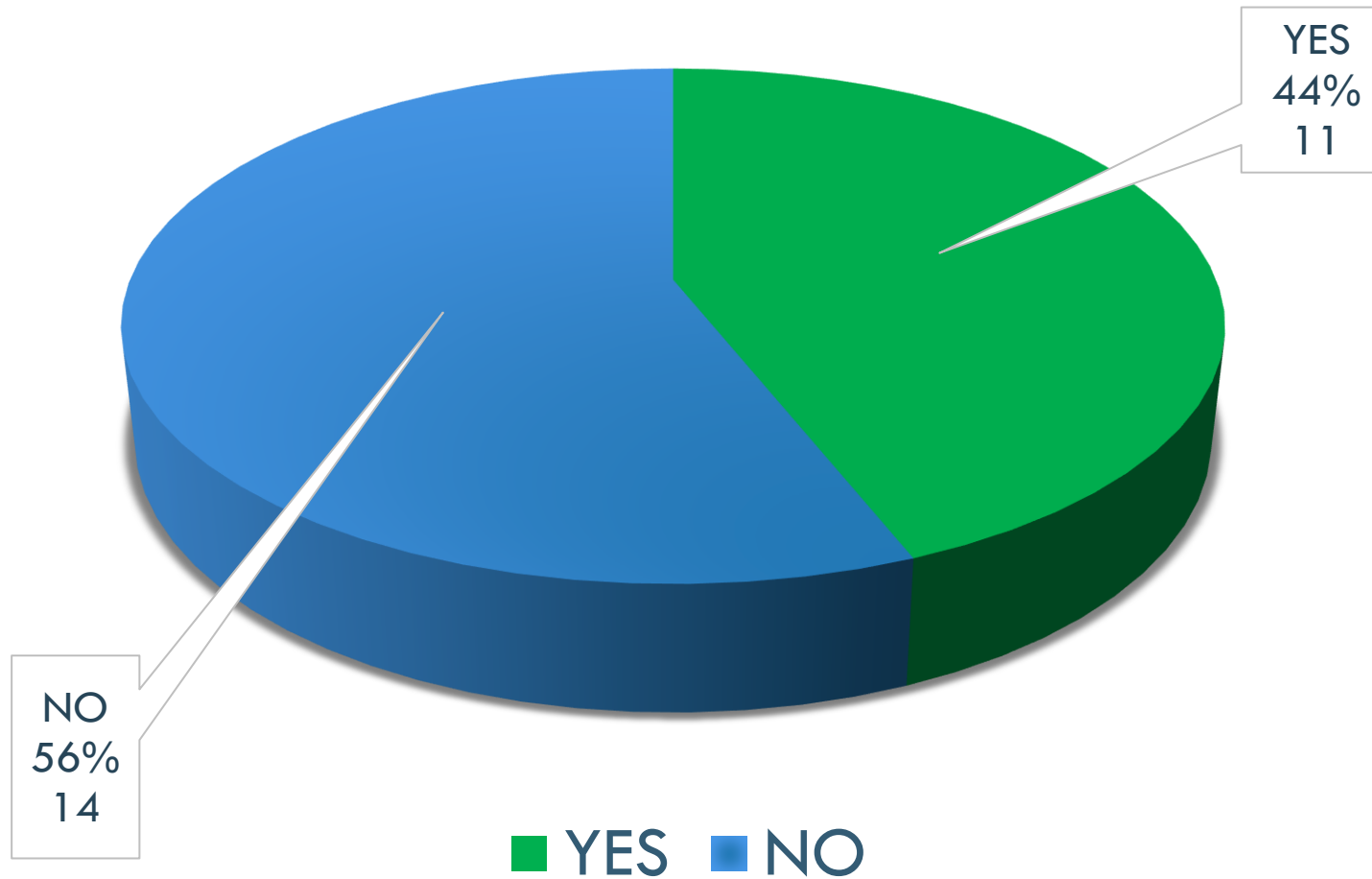
■ Less than 5 hours ■ More than 10 hours

| Switzerland | less than 5 hours |
|-------------|--------------------|
| Ukraine | less than 5 hours |
| Netherlands | less than 5 hours |
| Germany | more than 10 hours |
| Armenia | more than 10 hours |



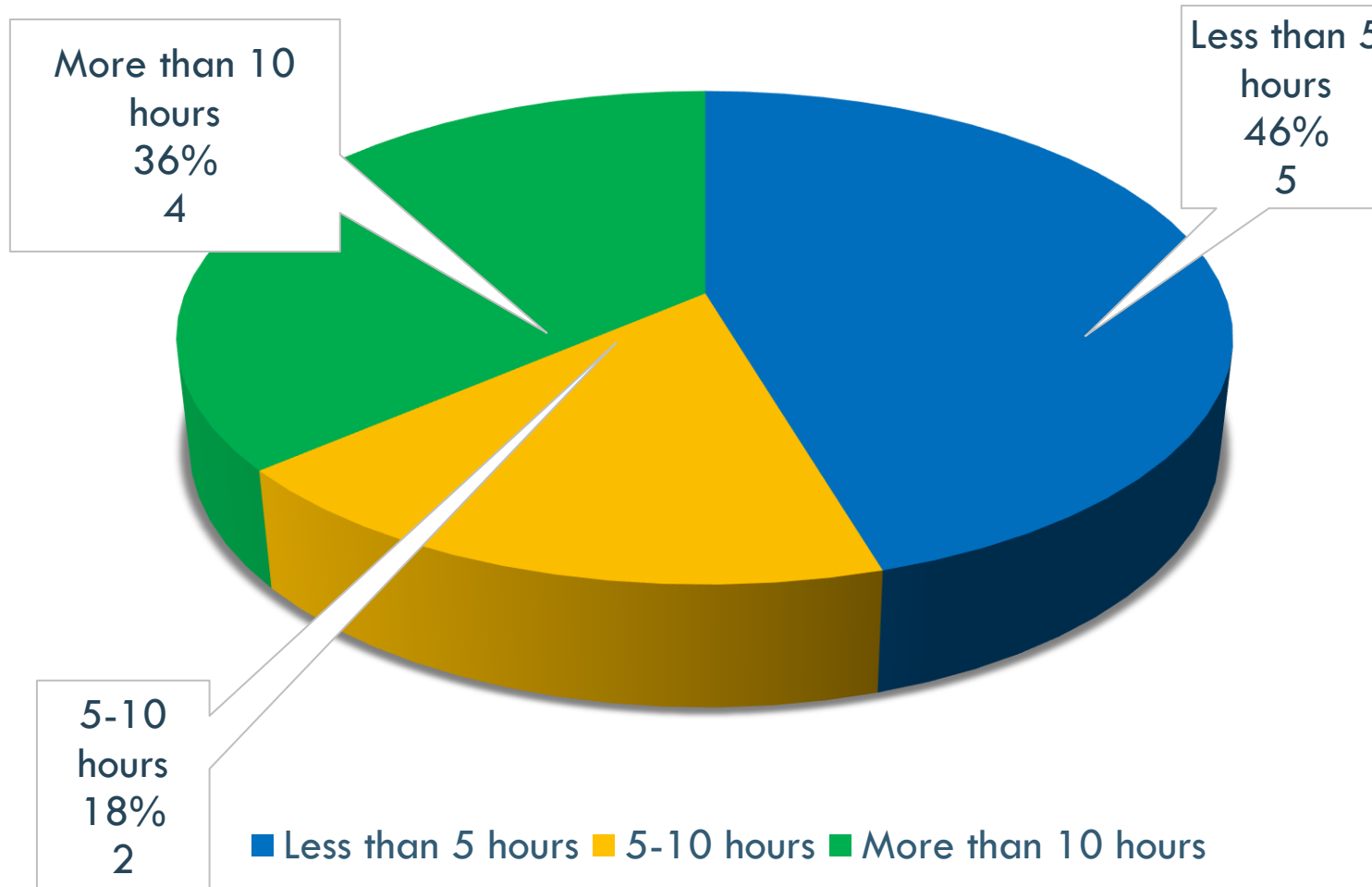
DENTAL TECHNICIAN

DENTAL TECHNICIANS AS A PART OF DENTAL TEAM

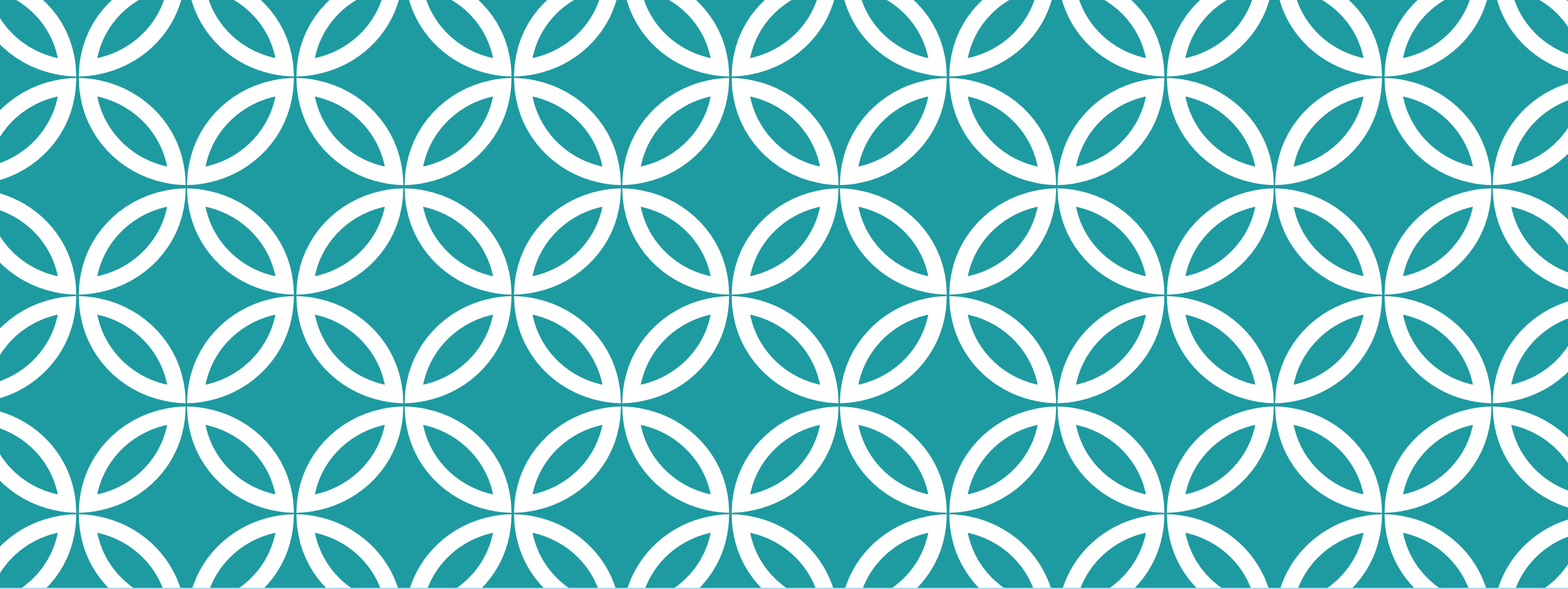


| North Macedonia | No |
|---------------------|-----|
| Italy | No |
| Spain | No |
| Slovenia | Yes |
| Israel | No |
| Austria | No |
| Germany | No |
| Czech Republic | Yes |
| Kazakhstan | Yes |
| Kosovo | Yes |
| Ukraine | Yes |
| Latvia | No |
| Estonia | Yes |
| France | No |
| Cyprus | No |
| the Kyrgyz Republic | Yes |
| Croatia | Yes |
| Netherlands | Yes |
| Belgium | No |
| Greece | No |
| Bulgaria | No |
| Armenia | No |
| Switzerland | Yes |
| Türkiye | Yes |
| Romania | No |

TIME REQUIREMENTS FOR CE FOR DENTAL TECHNICIANS PER YEAR (11)



| Netherlands | less than 5 hours |
|---------------------|--------------------|
| Türkiye | less than 5 hours |
| Switzerland | less than 5 hours |
| Czech Republic | less than 5 hours |
| Estonia | less than 5 hours |
| Slovenia | 5 - 10 hours |
| Kosovo | 5 - 10 hours |
| Ukraine | more than 10 hours |
| the Kyrgyz Republic | more than 10 hours |
| Romania | more than 10 hours |
| Kazakhstan | more than 10 hours |



OTHER

OTHER MEMBERS OF DENTAL TEAM

Germany

- Zahnmedizinische Prophylaxeassistentin (dental prophylaxis assistant,
- ZMP) Zahnmedizinische Fachassistentin (specialised chairside assistant,
- ZMF) Zahnmedizinische Verwaltungsassistentin (dental administration assistant, ZMV)

Bulgaria - Nurses

| | Dental Assistant | Dental Assist Spec | Chairside Assistant | Dental Technician | Administr Assistant | Dental Hygienist | Prophylax Assistant | Nurses |
|-----------------|---------------------|-----------------------|------------------------|----------------------|------------------------|---------------------|------------------------|--------|
| Germany | Yes | Yes | Yes | No | Yes | Yes | Yes | No |
| Ukraine | Yes | Yes | Yes | Yes | Yes | Yes | No | No |
| Netherlands | Yes | Yes | Yes | Yes | Yes | Yes | No | No |
| Switzerland | Yes | Yes | Yes | Yes | Yes | Yes | No | No |
| Czech Republic | Yes | No | Yes | Yes | No | Yes | No | No |
| Kyrgyz Republic | Yes | No | Yes | Yes | No | Yes | No | No |
| Armenia | Yes | No | Yes | No | Yes | Yes | No | No |
| Spain | Yes | No | Yes | No | No | Yes | No | No |
| Slovenia | Yes | Yes | No | Yes | No | No | No | No |
| Latvia | Yes | Yes | No | No | No | Yes | No | No |
| Estonia | Yes | No | No | Yes | No | Yes | No | No |
| Croatia | Yes | No | No | Yes | No | Yes | No | No |
| Bulgaria | Yes | No | Yes | No | No | No | No | Yes |
| Türkiye | Yes | No | Yes | Yes | No | No | No | No |
| Italy | Yes | No | No | No | No | Yes | No | No |
| Israel | No | No | Yes | No | No | Yes | No | No |
| Kazakhstan | Yes | No | No | Yes | No | No | No | No |
| Kosovo | Yes | No | No | Yes | No | No | No | No |
| Belgium | Yes | No | No | No | No | Yes | No | No |
| Romania | Yes | Yes | No | No | No | No | No | No |
| North Macedonia | Yes | No | No | No | No | No | No | No |
| Austria | No | No | Yes | No | No | No | No | No |
| France | Yes | No | No | No | No | No | No | No |
| Cyprus | No | No | No | No | No | No | No | No |
| Greece | No | No | No | No | No | No | No | No |

THANK YOU , ANY QUESTIONS ?