



SIP

Societal Impact of Pain

2017

**Structured Cooperation
between Health Care
Systems tackling the
societal impact of pain!**

The treatment of youths with
chronic pain

An unmet challenge

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Disclosure Statement of conflict of interest in the context of the subject of this presentation

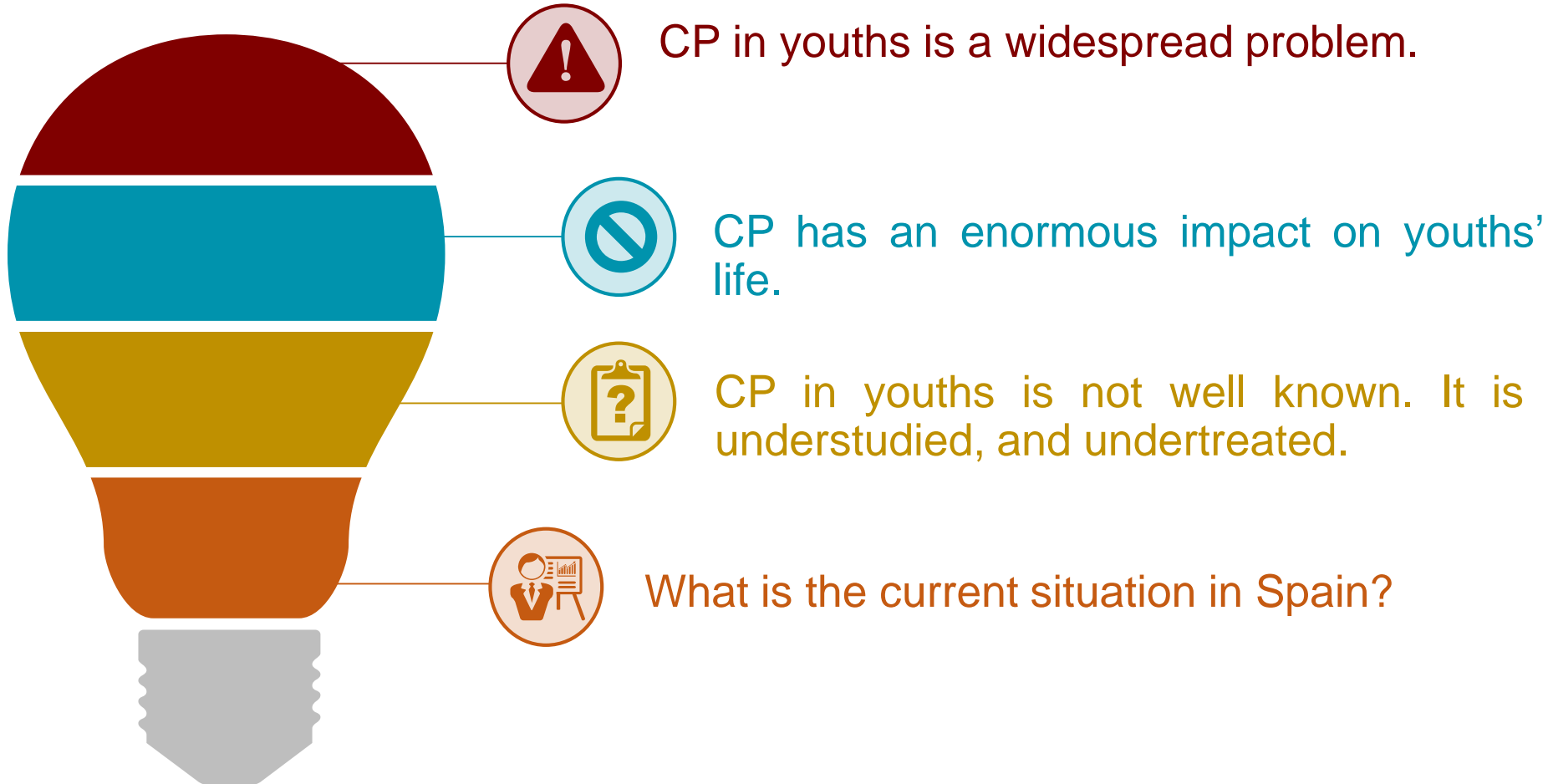


Within the past 12 months, I or my spouse/partner have had following financial interest/arrangement(s) or affiliation(s)

- **Support for travel**
- **Honoraria for lectures**
- **Honoraria for advisory board activities**
- **Participation in clinical trials**
- **Research funding**FG Spain.....
- **Financial shares and options**

The treatment of youths with CP:

An unmet challenge



Objectives

General



To study the current situation of the treatment of youths with chronic pain in Spain

Specific



1. To study the **impact and challenges on health care professionals** (*primary care physicians and pediatricians*).
2. To study the **impact** of chronic pain **in the life of youths, from the parents' perspective**.
3. To study the **impact** of chronic pain **on the school domain, from the teachers' perspective**.



Methodology



RESEARCH DESIGN

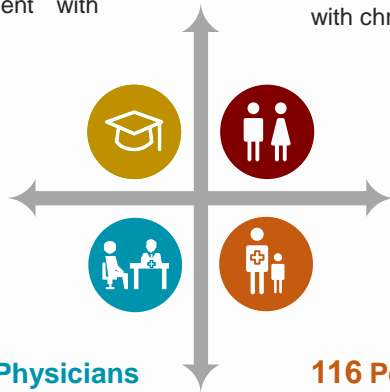
- The quantitative research has targeted **four profiles which have been considered to be key actors in the management of chronic pain in youths:**

150 Teachers

School teachers that have ever had a student with chronic pain

150 Parents

Who have a child with chronic pain



75 Primary Care Physicians

Who have ever attended an adolescent with chronic pain (15-18 years)

116 Pediatricians

Who have ever attended a child with chronic pain

- Timing**

Data collection was performed from March 28 to April 28, 2017.

- Definition of chronic pain**

“Continuous or recurrent pain lasting longer than 3 months, that persists past normal healing time” (IASP) (Merskey & Bogduk, 1994).

- Details of the participating samples**

PROFILE	QUOTA	UNIVERSE	SAMPLE	SAMPLING ERROR*
Pediatricians	41 from hospitals and 75 from primary care (35% - 65%)	9.036	116	9,2%
Primary Care Physicians	-	34.900	75	11,5%
Parents	-	> 100.000,00	150	8,2%
School teachers	-	664.325	150	8,2%

* Calculated, for each of the samples, with the maximum uncertainty (pq = 0.5) and for a confidence level of 95%



Methodology: procedure



Methodology: procedure



Procedure

1 Recruiting participants (physicians, pediatricians, parents and teachers): it was carried out through specialized panels, with the support of a market research agency with experience in health studies.

2 Inviting participants to the survey by sending them an e-mail, including a link to the on-line survey (specific to each profile). Participants had to meet the screening criteria (appropriate profile + definition of chronic pain).

3 Monitoring was done by experienced agency recruiters.

Specialized panels

	Parents	Teachers
General population		103.000
Eligible panelists (profile: parents or teachers)	32%	< 8%
Guest panelists (invited)	50% approx.	100%
Access ratio (acceded to the survey)		24%
Abandonment rate (did not complete the survey)		2%
Incidence (meet the requirements of the research)	22%	11%

	Health care professionals
Health care professionals complete panel	16.580
Eligible panelists (profile: PCP or PEDs)	18%
Guest panelists (invited)	85%
Access ratio (acceded to the survey)	27%
Abandonment rate (did not complete the survey)	9%
Incidence (meet the requirements of the research)	25%



Welcome e-mail



Sample selection



Invitation to the survey



Screening survey



Survey on Chronic Pain in children and adolescents



Incentive



Primary Care Physicians & Pediatricians



Results

Primary Care Physicians & Pediatricians



Training of healthcare professionals

1 **Have been trained in the management of youth with chronic pain?**

Primary Care Physicians



Pediatricians



2 **Report a lack of training in the management of youth with chronic pain?**

Primary Care Physicians



Pediatricians



3 **Where did they get the training?**

Primary Care Physicians



* The question reflects the answers of the respondents who have been trained in chronic pain (n = 39).

Pediatricians



* The question reflects the answers of the respondents who have been trained in chronic pain (n = 53).



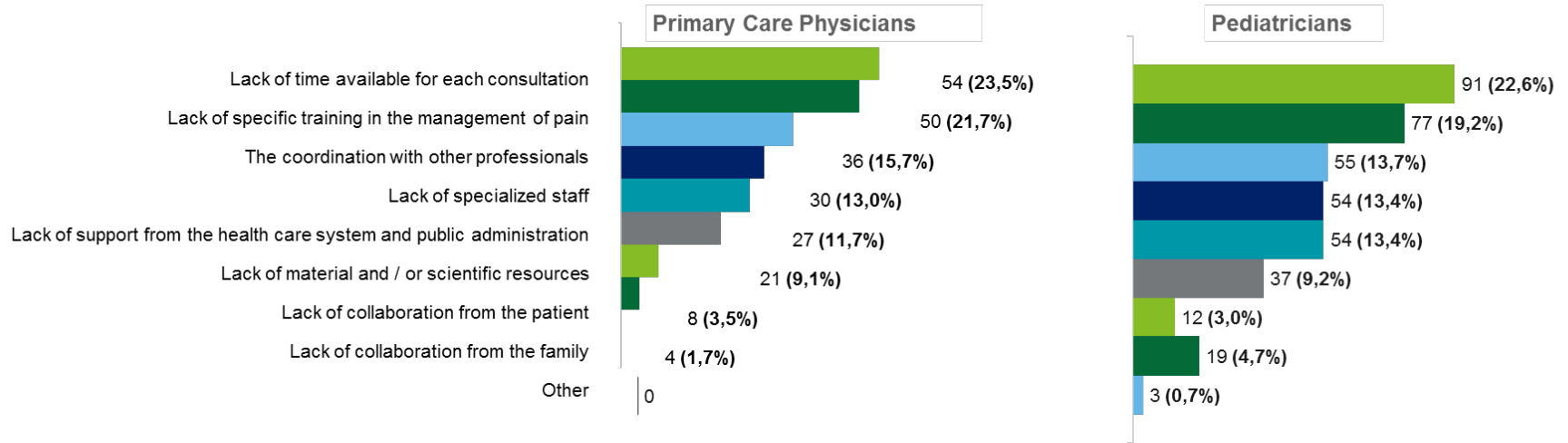
Results

Primary Care Physicians & Pediatricians



Healthcare activity

4 Difficulties in the treatment of chronic pain in children and adolescents





Results

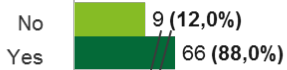
Primary Care Physicians & Pediatricians



Assessment of pain

5 Routine assessment of pain

Primary Care Physicians

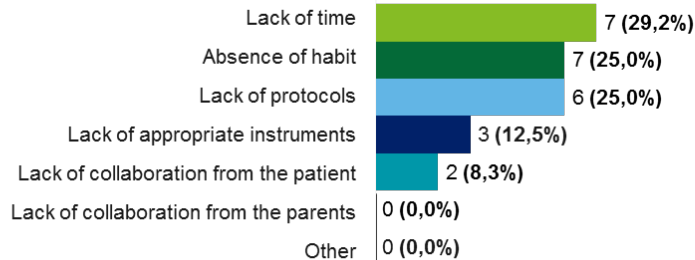


Pediatricians



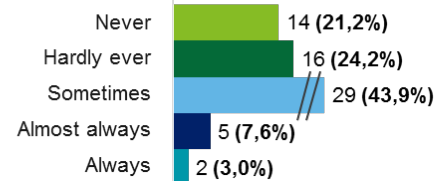
7 Reasons for not assessing pain

Primary Care Physicians

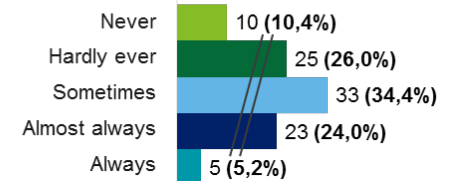


6 Use of specific protocols

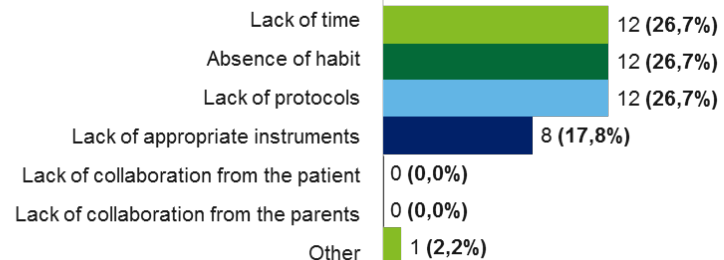
Primary Care Physicians



Pediatricians



Pediatricians



*Question 6 reflects the answers of physicians who do usually assess chronic pain in patients (n = 66 PC physicians; n = 97 pediatricians); Question 7 reflects the responses of physicians who do not usually assess chronic pain in patients (n = 9 PC physicians, n = 20 pediatricians).



Results

Primary Care Physicians & Pediatricians



Perceived problems

- Training is not enough (PCP-P): 77-78%
- Management of youth with CP is inadequate: 88-71%
- Multidisciplinary Pediatric Pain Units can significantly improve chronic pain management: 85-83%
- Scientists' attention to chronic pain in youth is insufficient: 72-70%



Parents



Results

Parents

Impact of chronic pain in youths as perceived by the parents

1

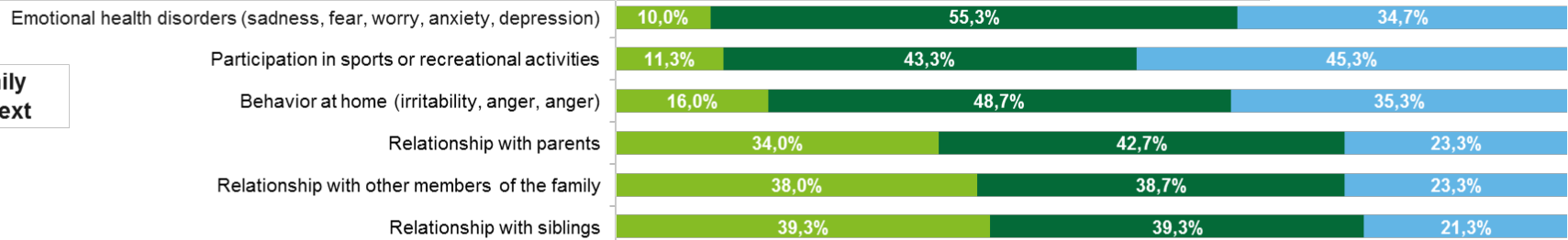
Sex



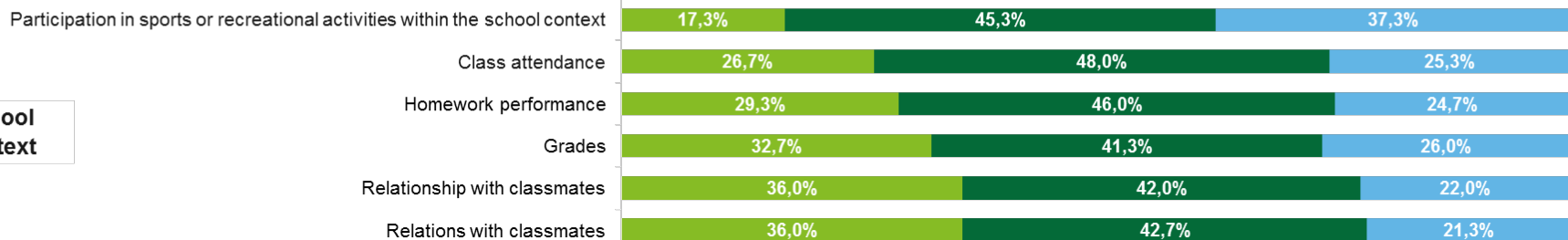
2

Rating of the impact of chronic pain on both the family and school context

Family context



School context



Has remained the same Has worsened a little worse Has worsened a lot

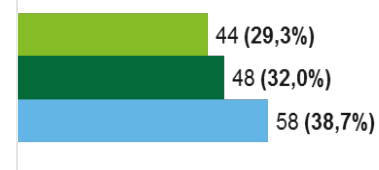


Results

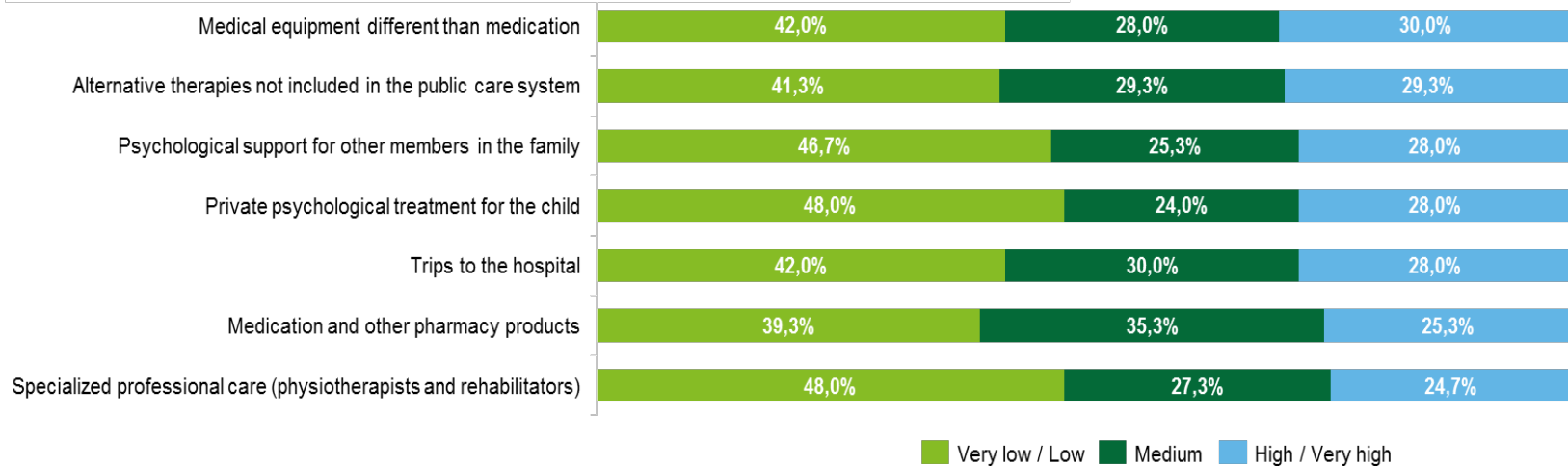
Parents

Impact on the youth's family

3 Changes in the working conditions of the parents/guardian



4 Economic costs





Teachers



Results Teachers

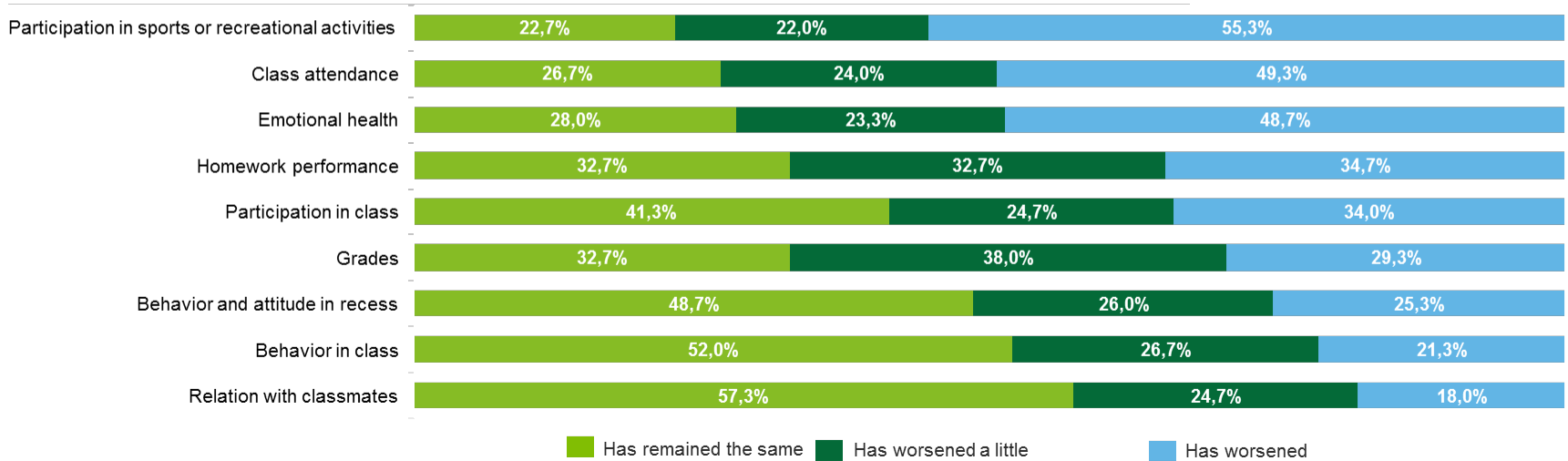


On the school experience of youths with chronic pain

1 Impact on the student's school life



2 Areas of impact





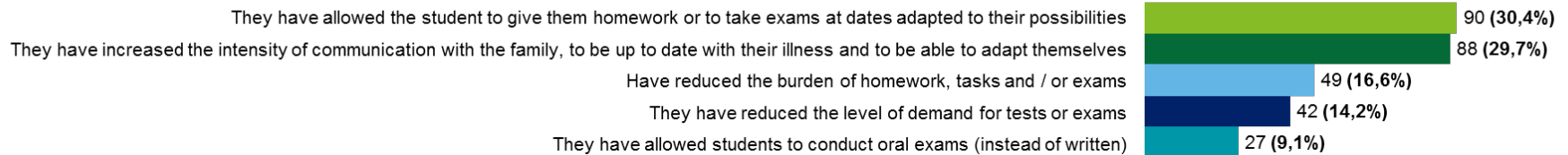
Results Teachers

Impact on the teacher's activities

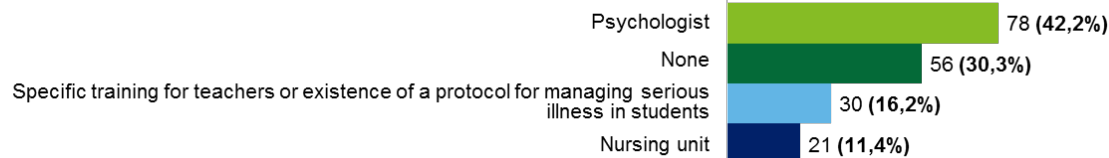
3 Characteristics



4 Adaptation needs



5 Resources available at school





CONCLUSIONS: *Challenges ahead*



Challenges ahead

Health Care Professionals

- **Improve and generalize pain education initiatives.**
- **Support research activities.**
- **Provide adequate resources: Social, Technical & Physical.**





Challenges ahead

Parents

- **High impact of chronic pain among family members.**
- **Impact on parents:** on working conditions and treatment costs.
- **The support from the public health administration** for the treatment of youths with chronic pain is **the most negatively valued item** by parents.





Results

Teachers

- The **majority** of youths with chronic pain experience an **impact on their school activities and performance.**
- **There is an objective impact on the teachers' activities,** as they must make specific adaptations for these students.
- The school **resources are almost nonexistent.**





THANK
YOU