

I Ith European Speech and Language Therapy Congress - 2022 ESLA Congress









Awareness of DLD existence, characteristics and causes data from a public survey conducted in Portugal

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Introduction

Terminology

Afasia de Desenvolvimento & Disfasia

'Developmental Aphasia' & 'Dysphasia'

Sua Kay (1998)

Perturbação Específica da

Linguagem (PEL)'Specific Language Impairment'

Martins (2002)

Perturbação Específica do Desenvolvimento

da Linguagem (PEDL)

'Specific Language Development Impairment' SPTF (forthcoming)

Perturbação Desenvolvimento da Linguagem (PDL)

'Developmental Language Disorder'



- difficulty producing or understanding language
- it impacts literacy, learning, friendships and emotional well-being (Bishop et al., 2012)



Introduction

Prevalence

6 to 15%

of all children when assessed by norm-referenced tests

(Law et al., 2000)

The values vary considerably in studies for Portugal, being much higher than the ones found for other populations.

80 to III children per 1000

have Developmental Language Disorder (DLD) in Portugal Pertubação do Desenvolvimento da Linguagem (PDL)

[estimated based on the most recent fully published country population – Censos (2011)]



Introduction

Prevalence

Autism	Attention Deficit Hyperactivity Disorder (ADHD)	Dyslexia	Speech Sound production
I to 2 %	5% to 7%	5,4 % Portugal	10 to 15% (3-6% for 4-6yo) preschool children
(Steinbrenner et al., 2020)	(Filipe, 2021)	(Vale et al., 2011)	(ASHA; McLeod & Harrison, 2009; McLeod & Baker, 2014; Rice et al., 2018)



Question

What is the level of awareness of DLD in Portugal,

comparing with other conditions such as Autism, Dyslexia, ADD/ADHD and Speech Disorders, and other European countries?



Method

European Portuguese version of **Public Survey on Awareness of Language Impairment in children**





developed by Working Group 3, leaded by Seyhun Topbaş and Elin Thordardottir, under the COST Action IS1406 (Enhancing children's oral language skills across Europe and beyond — a collaboration focusing on interventions for children with difficulties learning their first language)

5 sections

Thordardottir, Topbaş & WG3 of CA IS1406 (2021)

- I. demographic information (10)
- 2. questions about the nature of language impairment in childhood manifestations and causes (9)
- 3. questions about intervention services (5)
- 4. questions about the role of parents in identification and remediation (4)
- 5. questions about awareness of autism, dyslexia, ADD/ADHD and speech disorders (3)



Method

European Portuguese version (online)





Questionário sobre Perturbação do Desenvolvimento da Linguagem

- I. adaptation to European Portuguese translation, retroversion and conciling (Ana Castro, Dina Caetano Alves, Marisa Lousada & Ana Catarina Baptista)
- 2. piloting for answering time and comprehension (2 respondents)
- 3. Google forms setting and piloting (Aline Camacho & 4 respondents)

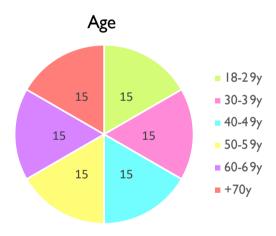
Ethical approval

- Comissão Especializada de Ética em Investigação (CEEI) da Escola Superior de Saúde do Instituto Politécnico de Setúbal (ESS/IPS), **Portugal**
- Institutional Review Board of the Faculty of Medicine of McGill University, Canada

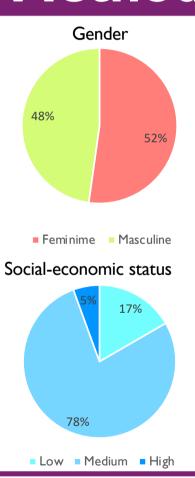


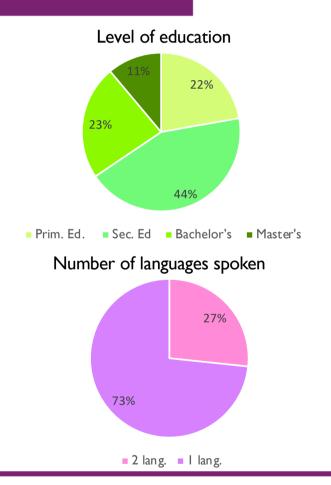
Method

Sample 90 respondents









Results and discussion

Have you ever heard the terms Developmental Language Disorder (DLD), Autism, ADHD and Speech Sound Disorder?

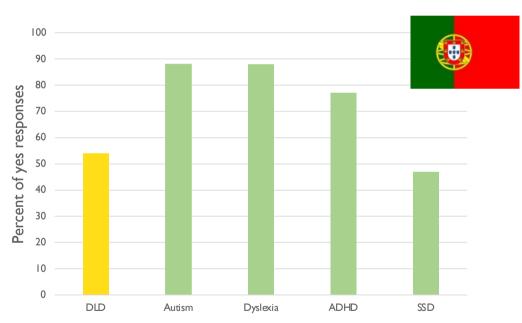
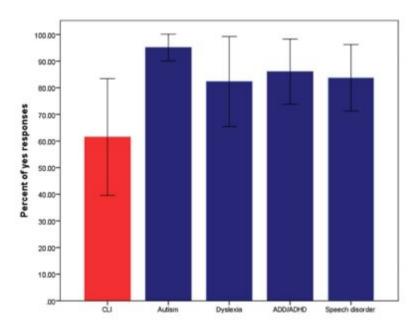


Fig. 1 – Yes responses to the question Have you ever heard the terms Developmental Language Disorder (DLD), Autism, ADHD and Speech Sound Disorder? (n=90)

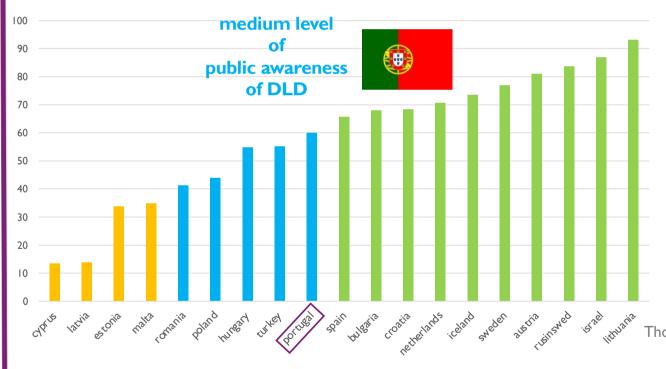


18 countries across Europe

Thordardottir, Topbaş & WG3 of CA IS1406 (2021)



Have you ever heard the terms Developmental Language Disorder (DLD), Autism, ADHD and Speech Sound Disorder?



COMPARISON

responses across all countries
YES answers to having heard about
Child Language Impairment

level of awareness

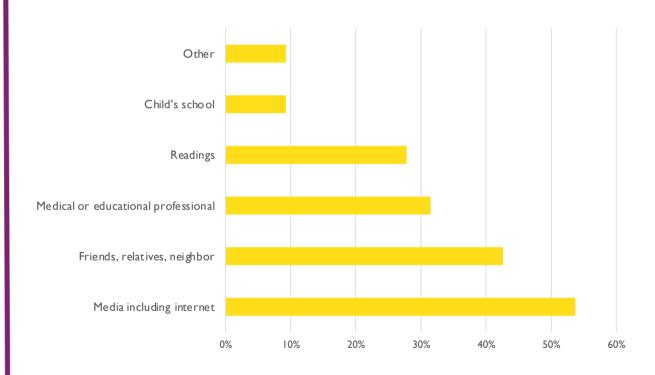
low

medium high

Thordardottir, E., Topbaş, S., & WG3 of CA IS1406 (202



Where have you heard the term (childhood) language impairment?



respondents having answered YES to the previous question Have you heard the term (childhood) language impairment? (n=54)

Fig. 2 – Responses to the question Where have you heard the term (childhood) language impairment? (n=54)



A child with childhood language impairment is likely to have problems with the following?

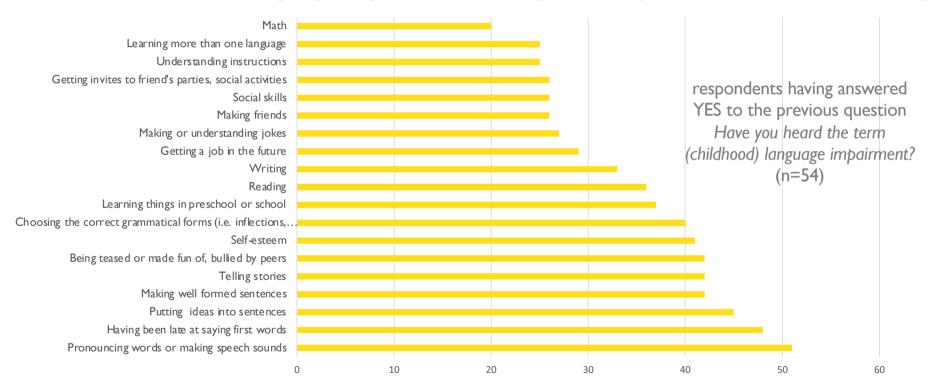
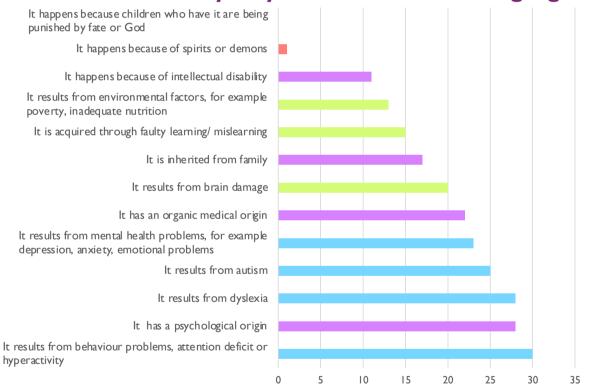


Fig. 3 – Responses to the question A child with childhood language impairment is likely to have problems with the following? (n=54)



Why do you think childhood language impairment happens?



CAUSES

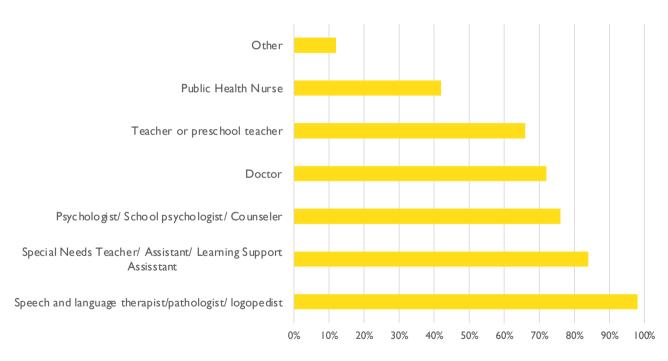
Other disorders	49%
Genetic, organic, emotional factor and others	36%
Environmental and acquired factors	30%
Gods, demons, spirits, or faith	1%

respondents having answered YES to the previous question Have you heard the term (childhood) language impairment? (n=54)

Fig. 4 – Responses to the question Why do you think childhood language impairment happens? (n=54)



Who identifies children with childhood language impairment?



respondents having answered
YES to the previous question
Do you think language
therapy/intervention for children is
helpful?
(n=50)

Fig.5 - Responses to the question Who identifies children with childhood language impairment? (n=50)

Results and discussion

- DLD is less awared than other disorders that are less prevalent (ADHD, Dyslexia and Autism).
- Perturbação dos Sons da Fala (the EP translation for the disorder SSD) is amongst the major disorders treated by SLP in the child population, in Portugal and around the World (Mullen, & Schooling, 2010; Bacelar, 2013; Oliveira, Lousada, & Jesus, 2015; Ramos, 2017) but SSD may not be known by the general population as a specific diagnostic term.
- DLD causes are seen more as a symptom associated to other disorders (ADHD,
 Dyslexia or Autism) than related to an independent disorder on its own.
- Professionals with primary educational or medical relations with children seem not be the ones who more identify children with CLI.



Conclusions

The study points to a need for **raising public awareness of DLD**, which will lead to significant progress in the delivery of services to the youngest population.



Conclusions

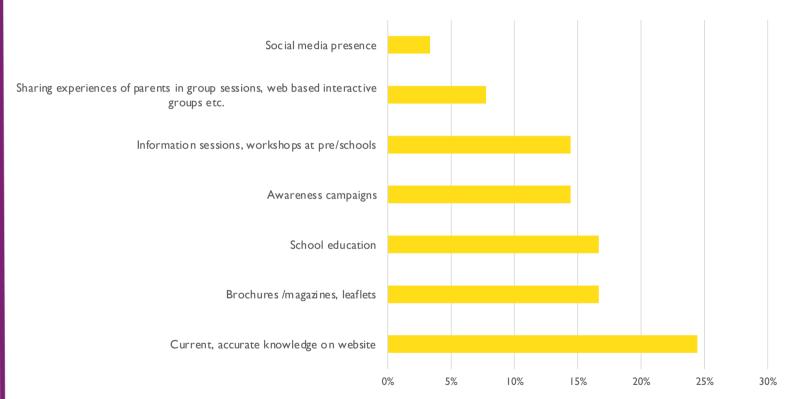


Fig.6 - Responses to the question What would be good ways of sharing information about childhood language impairments?

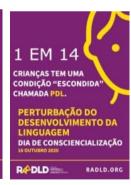


Conclusions

Portugal is a country with a **medium level of awareness of DLD** with not very specific knowledge about **practitioners**, causes and treatments.

Awareness campaigns, diffusion of information through schools and education settings, and Internet websites are identified as the preferable means to raise the knowledge about DLD.











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