









Diabetes Distress and Psychological Adjustment of Parents of Children and Adolescent with Type 1 Diabetes: The Mediating Role of Resilient Coping

Low Depression

Levels= 3,54



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INTRODUCTION

Type 1 Diabetes (T1D) can be very complex to manage for both children, adolescents, and parents. In 2022, the prevalence of T1D in Portugal, was 672 children (0-9 years) and 2936 adolescents (10-19 years) [1]. High parental diabetes distress, attributed to the daily difficulties of managing their child's T1D, has been founded to be associated with significant levels of anxiety and depression [2,3]. However, psychosocial factors, such as coping, may play an important role in influencing this relationship.

Objective



We aimed to analyze the association between parental diabetes distress, anxiety and depression, and examine the mediating role of resilient coping on these relationships. Also, the parental perceived acceptance of type 1 diabetes of their children was tested as a covariable. Children's and parents' sociodemographic were also evaluated.

METHOD

Participants

Sociodemographic Data (N= 140 participants (Parents of Children and Adolescents with T1D- till the age of 17 years)

Parental Diabetes Distress Level

Parents Depression, Anxiety and Stress Level

Parents Resilience Coping

Parents Gender Children and Adolescent Gender

T1D Duration

Parents' Ages

Children and Adolescent Age

Marital Status

Parents Academic Qualifications

Year of Schooling

School Typology

Professional Situation

Residence District

Socioeconomic Status

T1D Monitorization

Carbohydrate Calculation

Parents' T1D Acceptance

Type of Insulin Treatment

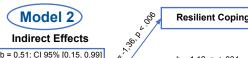
Parental adherence and compliance with treatmen

Low Stress Levels=

Instruments

- Problem Areas in Diabetes Survey-Parent Revised Version (PAID-PR) - 18 items, that evaluate parental diabetes distress of caring for a children/adolescent with T1D [4];
- Depression, Anxiety, Stress Scales (DASS-21) Portuguese Version - 21 items, divided by three scales that examine the levels of depression, anxiety and stress [5];
- Brief Resilient Coping Scale (BRCS) 4 items that aim to measure the ability to deal with stress in an adaptive way [6]

RESULTS Model 1 Resilient Coping Parents T1D Indirect Effects Acceptance b = 0,40; CI 95% [0,13, 0,76] b = 0.34, p < .402b = -2.25; p < .001 **Diabetes Distress** Depression



Parents T1D **Resilient Coping** Acceptance b = -0.99; p < .012b = 1.12, p < .034

Anxiety

Diabetes Distress



DISCUSSION & CONCLUSION

I) Findings suggest that parents reporting diabetes distress, anxiety and depression may benefit from psychological interventions that target resilient coping.

II) The research on resilient coping seems particularly relevant due to the lack of investigation and its potential role on adaptation, especially in the parental and pediatric diabetes area.

Procedures

- **Ethics Committee Approval (ISPA)**
- Online Questionnaire (Google Forms)
- **Informed Consent**



REFERENCES





I.P., in the context of the project UID/04810/2020, DOI: 10.54499/UIDB/04810/2020 and

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Medium Distress= 56 points

Low Anxiety

Levels = 6,90

Low Resilience Coping (Cut-off)= 13.04

Male=15 (10.7%): Female=125 (89.3%)

Male=61 (43.6%); Female=79 (56.4%)

M= 5.18 | DP= 3.47

M= 42.74 | DP= 5.85

M= 10.61 | DP= 4.12

Married= 120 (85.7%)

Bachelor Degree= 55 (39.3%)

Third Cycle= 40 (28.6%)

Public School= 109 (77.9%)

Employed= 119 (85%)

Porto= 29 (20.7%) and Lisbon= 28 (20%)

Medium status= 113 (80.7%)

More that 10 times per day= 72 (51.4%)

Always= 108 (77%)

I have already accepted the T1D= 94 (67.1%)

Insuline Pump= 95 (67.9%)



