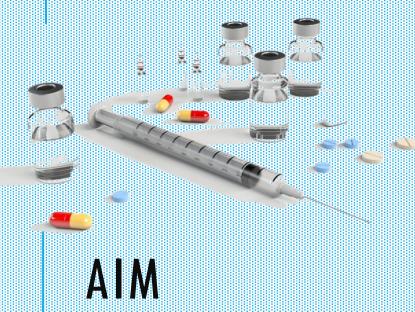


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INTRODUCTION



METHODS

The treatment of type 1 diabetes is a process that involves not only sick children but also their caregivers. Parents undertake various actions towards their child aiming at reaching diabetes management targets, which can make the disease a significant challenge for the whole family.

 To assess the burden of care for direct caregivers of children with type 1 diabetes.

The study included 125 caregivers who reported to a diabetes clinic with their child for a follow-up visit. The Caregiver Burden Scale (CB Scale) was used to collect the study material.

[Elmståhl i wsp., 1996]

RESULTS

Tab.1. Level of caregiver's burden - CB Scale Subscales

Subscales	M	SD	Min	Max	Level of burden (%)		
					Low	Medium	High
General strain	2.4	0.67		3.6	27.2	48.0	24.8
Isolation	1.81	0.77		3.7	57.6	31.2	11.2
Disappointment	2.36	0.75		4	31.2	40.0	28.8
Emotional involvement	1.62	0.68	1	3.7	68.8	23.2	8.0
Environment	1.97	0.59	1	3. <i>7</i>	48.0	43.2	8.8

- Low-level (1.00-1.99)
- Medium-level (2.00-2.99)
- High-level (3.00-4.00)

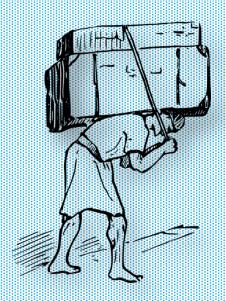
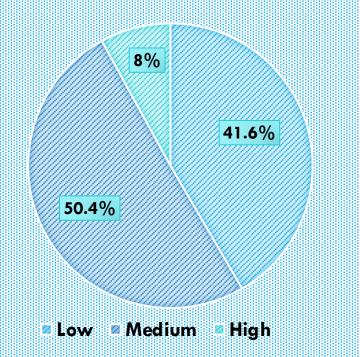


Fig.1. Level of caregiver's burden – total score



RESULTS



Table 2. Factors associated with children and the level of burden for caregivers

		CB Scale							
		General strain	Isolation	Disappointment	Emotional involvement	Environment	Total score		
Age of the child	rho	-0.161	-0.165	-0.1 <i>77</i>	-0.058	-0.159	-0.195		
	p	0.073	0.066	0.048	0.521	0.077	0.030		
Duration of the disease	rho	-0.024	0.082	0.015	0.021	-0.126	-0.035		
	р	0.793	0.366	0.871	0.812	0.162	0.701		
Number of glycemic tests - daytime	rho	0.040	0.034	0.096	-0.104	-0.027	0.081		
	р	0.662	0.710	0.287	0.250	0.766	0.373		
Number of glycemic tests - nighttime	rho	0.058	-0.061	0.011	0.027	-0.009	0.081		
	р	0.521	0.504	0.903	0.770	0.91 <i>7</i>	0.371		
	U	1072.5	1050.5	1081	981.5	1140	981.5		
Method of administration of insulin	þ	0.521	0.427	0.556	0.210	0.831	0.172		
	rho	0.060	0.128	-0.024	0.081	0.052	0.11 <i>7</i>		
Metabolic control of diabetes (HbA1c)	р	0.504	0.155	0.789	0.370	0.561	0.1 <i>67</i>		
	rho	0.072	0.075	0.075	0.119	0.059	0.136		
Frequency of hyperglycemic episodes	р	0.427	0.406	0.406	0.1 <i>87</i>	0.512	0.132		
	н	0.41	0.70	2.30	3.14	0.82	1,11		
Glucose measurement method	P	0.937	0.873	0.513	0.370	0.845	0.775		

RESULTS

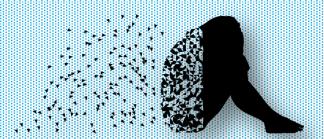


Table 3. Factors associated with families and the level of burden for caregivers

		CB Scale							
		General strain	Isolation	Disappointment	Emotional involvement	Environment	Total score		
Sex -	U	874	1071	1086.5	875	1073.5	1002.5		
	þ	0.056	0.508	0.580	0.051	0.519	0.224		
Marital status	Ü	1021	1090	1133.5	1147.5	112 <i>7</i>	1022		
	р	0.230	0.436	0.621	0.675	0.543	0.183		
Place of residence	H	4.37	4.05	3.21	2.62	1.46	3. <i>7</i> 7		
	р	0.224	0.256	0.361	0.454	0.691	0.287		
Parent's professional status	U	99.5	980	968	1203.5	1051	997.5		
	р	0.074	0.057	0.051	0.602	0.144	0.049		
Caregiver's age	rho	-0.040	-0.050	-0.106	-0.119	-0.135	-0.097		
	р	0.660	0.583	0.239	0.186	0.132	0.281		
Caregivers's education	H	0.41	3.47	1.11	0.27	0.28	0.33		
	р	0.81 <i>7</i>	0.1 <i>77</i>	0.575	0.872	0.868	0.849		

CONCLUSION

Direct caregivers of children with diabetes generally experience a moderate burden of care. The study identified factors which increase the sense of burden of care in caregivers. These include female sex, unemployment and younger age of the sick child.