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INTERRELATION OF INDICATORS OF DEVELOPMENT OF CHILDREN OF EARLY AGE, AND THEIR CHARACTERISTICS IN ORPHANS

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We studied the features of indicators of the development of mental functions, as well as their interrelations in orphans of early age, compared with peers from families. The indicators of mental development were evaluated by the BSID III. The following scales were used: cognitive, speech understanding, speech generation, fine and gross motor skills. The severity of instrumental helping behaviour was assessed by a modified methodology proposed by F. Varneken and M. Tomasello. We applied ANOVA analysis with repeated measurements to study the influence of the main factor "group" (children from families, orphans) and intrasubjective "indicator" (cognitive, speech understanding, speech generation, fine motor skills, gross motor skills, and for a group of orphans relative time of stay in the child's home). To determine the significance of differences in the same indicators of mental development, a post-hoc Tukey criterion was used. To find the relationship between the indicators of mental development, the correlation and multiple regression analyzes were used. To construct the regression model, the indicator of the BSID scale-system "understanding of speech" was chosen as the dependent variable. The following indicators were chosen as independent: "helping behaviour", "cognitive

development", "speech generation", "fine motor skills", "gross motor skills" and for the main group of subjects "residence time". The Pearson chi-square test was used to compare the occurrence of helping behavior in the control and main groups of subjects, and for the degree of expression, the Mann-Whitney test. Orphans, children of early age, were found to have lower rates of cognitive, speech and motor development, and less instrumental helping behaviour. Orphans are more closely related to cognitive and speech development rates than peers. The time spent at the child's home negatively affects the formation of the speech perception skill. However, the absence of significance of this effect, in the presence of statistically significant differences between the indicators, probably indicates the diversity and heterogeneity of the complex of factors affecting the neuropsychological development of orphans of an early age, compared with peers.

Keywords: cognitive speech, motor development, speech development, orphans, helping behavior.

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