

Preface

We would like to thank the research group that has been involved in this study for 20 years, including the preparatory stage of the cohort study; the Japan Society for the Promotion of Science (JSPS) for understanding and supporting the significance of the study; Mukogawa Women's University for establishing and maintaining the research center, and above all, the approximately 150 children and their parents who have participated in the study for 18 years.

This report is being conducted by a cohort research group at Mukogawa Women's University Center for the Study of Child Development (MCSCD). It is an interim report of a longitudinal study on the elucidation of the determinants of social behavior formation in adolescents, supported by JSPS Grant-in-Aid for Scientific Research (B Project No. 19H01759) in FY2019. The MCSCD was established in 2004 as an institution at Mukogawa Women's University, but since its parent organization is the Institute of Education, research results have been published in the bulletin of the Institute of Education or annually in the research report of the Institute of Education. As research data accumulated, the Japanese Society of Developmental Psychology began to discuss open access to the research center's data in its newsletters and in the *Journal of Developmental Psychology*. In this context, we have come to think that it is necessary for the research center to have its own reports as a future center for developmental research. This report is the first issue of the annual report of the MCSCD, which we plan to continue publishing. We hope that this report will serve as a platform for developmental researchers to use the longitudinal data that is accumulated.

The study reported here is a follow-up that began at the year of the subjects' birth, as noted above, and as of 2023, the lead group of collaborators had reached 18 years. The study attempts to address the most important issue in developmental research, namely, the question of heredity or environment, by using social behavior in adolescence as an outcome and various factors surrounding children from infancy onward as the exposures. We are trying to elucidate the determinants of social behavior in humans based on the relationship between environmental factors from infancy and individual factors such as neurological and genetic data. These factors include observational data of mother-child interaction scenes in infancy, medical observation data, various developmental tests, and living environment surveys; they include a vast amount of variable data obtained from individuals and their parents, and the development process of each individual is analyzed chronologically. While the results of the study have been published in

journals and at national and international scientific meetings, this report provides an outline of the study and describes some of the analysis results obtained by the research grant from FY2019.

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