



# Teachers Can Make a Difference in Bullying: Effects of Teacher Interventions on Students' Adoption of Bully, Victim, Bully-Victim or Defender Roles across Time

Christoph Burger<sup>1,2,3</sup> · Dagmar Strohmeier<sup>4,5</sup> · Lenka Kollerová<sup>6</sup>

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## Abstract

School bullying is a serious problem worldwide, but little is known about how teacher interventions influence the adoption of bullying-related student roles. This study surveyed 750 early adolescents (50.5% female; average age: 12.9 years,  $SD = 0.4$ ) from 39 classrooms in two waves, six months apart. Peer ratings of classmates were used to categorize students to five different bullying-related roles (criterion:  $>1 SD$ ): bully, victim, bully-victim, defender, and non-participant. Student ratings of teachers were used to obtain class-level measures of teacher interventions: non-intervention, disciplinary sanctions, group discussion, and mediation/victim support. Controlling for student- and class-level background variables, two multilevel multinomial logistic regression analyses were computed to predict students' bullying-related roles at wave 2. In the static model, predictors were teacher interventions at wave 1, and in the dynamic model, predictors were teacher intervention changes across time. The static model showed that disciplinary sanctions reduced the likelihood of being a bully or victim, and group discussion raised the likelihood of being a defender. Mediation/victim support raised the likelihood of being a bully. The dynamic model complemented these results by indicating that increases in group discussion across time raised the likelihood of being a defender, whereas increases in non-intervention across time raised the likelihood of being a victim and reduced the likelihood of being a defender. These results show that teacher interventions have distinct effects on students' adoption of bullying-related roles and could help to better target intervention strategies. The findings carry practical implications for the professional training of prospective and current teachers.

**Keywords** Bullying · Teacher interventions · Teacher strategies · Anti-bullying · Disciplinary sanctions · Group discussions

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✉ Christoph Burger  
christoph.burger@univie.ac.at

<sup>1</sup> Faculty of Psychology, Department of Developmental and Educational Psychology, University of Vienna, Vienna, Austria

<sup>2</sup> Faculty of Psychology, Department of Cognition, Emotion, and Methods in Psychology, University of Vienna, Vienna, Austria

<sup>3</sup> Department of Psychology and Psychodynamics, Division of Psychological Methodology, Karl Landsteiner University of Health Sciences, Krems, Austria

<sup>4</sup> School of Medical Engineering and Applied Social Sciences, University of Applied Sciences Upper Austria, Linz, Austria

<sup>5</sup> Center for Learning Environment and Behavioral Research, University of Stavanger, Stavanger, Norway

<sup>6</sup> Czech Academy of Sciences, Institute of Psychology, Prague, Czech Republic

## Introduction

Healthy and safe schools play a critical role in positive youth development (D'Urso et al., 2021). However, bullying affects students worldwide and has been shown to have potentially serious and long-lasting effects on health, well-being, academic performance, and occupational success (Burger & Bachmann, 2021), not only for victims but for all students involved (Hysing et al., 2021). This is particularly true for students in early adolescence where bullying peaks (Swearer et al., 2017) and where students are even at a higher risk for developing mental health disorders due to changes in social dynamics, biology, and cognition (Salminen et al., 2021). It has been demonstrated that teachers can stop bullying (Troop-Gordon & Ladd, 2015) and that teacher interventions have a central role in the fight against bullying (Colpin et al., 2021). But there is debate about which teacher interventions are effective (Bauman et al.,

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