

Perceived Ethnic Discrimination and School Connectedness among Adolescents in Finland: Role of Family Background and Sex

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Abstract

The study investigates the effect of immigrant background and sex on perceived ethnic discrimination and school connectedness in Finland. An online questionnaire was completed by 1,827 adolescents (12-19 years of age) from both Finnish and Swedish speaking schools in Western Finland. Adolescents' family background was categorized as either native, multicultural, or immigrant. Perceived ethnic discrimination was examined according to its source, whether it acted out by peers, by teachers, or by someone else. Adolescents with an immigrant background were found to have higher scores of perceived ethnic discrimination regardless of its source, and lower school connectedness than other groups. Boys had higher scores of perceived ethnic discrimination by peers and by someone else, and they also reported higher school connectedness than girls. There was also a significant interaction effect between immigrant background and student sex, so that girls with a multicultural background experienced higher levels of discrimination by peers and discrimination by someone else than boys with a multicultural background.

Keywords: Perceived ethnic discrimination; school connectedness; immigrant background; adolescents.

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Introduction

Perceived ethnic discrimination (PED), defined as “unfair treatment that a person attributes to his or her ethnicity” (Contrada et al., 2000, p. 136), has emerged as an essential factor for immigrant adolescents' social attitudes and well-being in school (Huynh & Fuligni, 2010; Wong, Eccles, & Sameroff, 2003). Increasing immigration has raised the focus on acculturation of youth in Europe. Acculturation is commonly defined as influence of cultural groups over each other during the period of contact (Berry, Poortinga, Breugelmans, Chasiotis, & Sam, 2011), and, therefore, a positive social environment is essential for developing healthy inter-group relations. Primary and secondary school plays a central role in the acculturation process of adolescents (Vedder & Horenczyk, 2006), especially for those

with an immigrant background. Adolescents who experience themselves as separated from the majority have been found to perceive more ethnic discrimination compared to those who show positive attitudes towards integration or assimilation (Jasinskaja-Lahti, Liebkind, Horenczyk, & Schmitz, 2003).

Bronfenbrenner's socio-ecological model(2006) presents a person-centered design with five embedded environmental systems (micro, meso, exo, macro, and chrono) that influences adolescents' development (Bronfenbrenner, 1994). Microsystem consists of immediate settings where face-to-face interactions occur i.e. with parents, peers, teachers and people in the neighborhood. According to this model, regular interactions for a long period of time are called proximal processes, and are seen as the most influential contributors to one's development (Bronfenbrenner, 2006). Belonging to a socially devalued group may increase the likelihood of these contexts being biased, and regular experiences of discrimination may be part of these interactions especially in the microsystem. In addition to that, Spencer, Dupree, and Hartman (1997) stresses that effect of discrimination on child's development is not only dependent on their social cognition and other risk factors but also protective factors in their lives.

Low mental well-being is one of the main negative outcomes of the challenging situation that immigrants face as residents in a new country. A meta-analysis of studies conducted in Europe found a higher risk of lower psychological well-being among adolescents with an immigrant background than among those with a native background (Dimitrova, Chasiotis, & Van de Vijver, 2016). Moreover, perceived discrimination has been suggested as the strongest factor that affects immigrant psychological well-being (Berry, Phinney, Sam, & Vedder, 2006), and it is more likely to be experienced by adolescents with an immigrant background than by those with a native background (Strohmeier, Kärnä, & Salmivalli, 2011). Furthermore, bi-ethnic/racial adolescents, especially those with an African-American background were found to perceive more discrimination than those with a native background (Herman, 2004). In the same study, higher self-esteem and positive ethnic identification neither were nor experienced as benefits among bi-ethnic/racial adolescents. On the other hand, adapting to the new culture or feeling less acculturative stress was found to have a moderating effect between perceived discrimination and low mental well-being

(Noh & Kaspar, 2003). The relationship between acculturation and PED is complex and not the main topic of this study, still, it might be beneficial to mention few more findings. Perceived discrimination was found to be higher among immigrant adolescents with acculturation attitudes that include cultural maintenance (integration and separation) in France, while in Canada, it was lower for those with integration attitudes (Berry & Sabatier, 2010). Another study have found that, even though the acculturation of immigrant adolescents has improved, perceived discrimination has persisted or even increased over time (Gil, Wagner, & Vega, 2000). Risk factors for immigrant youth's mental health include, but are not limited to, perceived ethnic/racial discrimination. Youth with an immigrant background have been found to have a lower sense of school belonging, life satisfaction, resilience, and victimization from aggression (Organization for Economic Co-operation and Development, 2018).

Perceived Ethnic Discrimination as a Risk Factor for Mental Health

Among Scandinavian youth with an immigrant background, the risk factors for mental health are similar to those within the rest of Europe. In Finland, ethnic background is one of the main causes of discrimination towards adolescents, and discriminative behaviors include unfair or negative treatment, teasing, and social rejection (Liebkind, Jasinskaja-Lahti, & Solheim, 2004). Adolescents with a native background in Sweden were found to be more likely to avoid friendships with immigrant peers (Özdemir & Özdemir, 2017), and adolescents with an immigrant background were more likely to be rejected in the peer environment (Plenty & Jonsson, 2017). During adolescence, the importance of peer acceptance peaks (LaFontana & Cillesen, 2010), and a high level of social exclusion may cause higher risks for immigrant adolescents since they are more in need of building new peer relationships than natives after immigrating to a new country. Thus, the psychological well-being of adolescents with an immigrant background was found to be lower than among their native peers in Sweden (Hjern et al., 2013).

Finland is considered to be relatively slow in receiving immigrants in comparison with most other European nations. Foreign speaking residents comprise only 7.3% of the population (Statistics Finland, 2019), but the number of adolescents with an immigrant background is growing rapidly (OECD, 2018), which means that the school environment will become more

diverse in the near future. On the other hand, prejudiced beliefs against immigrants have been found to be common in Finland (Jaakkola, 2009; Jasinska-Lahti & Liebkind, 2001; Nshom & Croucher, 2017). In a recent study, Finnish adolescents stated that discrimination is widespread (Zacheus et al., 2019), and immigrants were seen as a threat by native adolescents (Nshom & Croucher, 2017). A few studies have found that adolescents with an immigrant background experience more discrimination than native youth (Myllyniemi, 2017; Wikström, Haikkola, & Laatikainen, 2014), and perceived ethnic discrimination was experienced by immigrants of both the first and second generations (Myllyniemi, 2017). Exposure to discrimination was related with low self-esteem, stress symptoms, and poor school adjustment (Liebkind, Jasinska-Lahti, & Solheim, 2004).

Source of Discrimination and Effect of Sex

Benner and Graham (2013) investigated whether the source of discrimination (i.e. by peers or teachers) had different effects on adolescents, and found that PED by peers was related to psychological maladjustment, while PED by teachers was related to poor school performance. Youth with immigrant background report more unfair treatment by teachers (OECD, 2017). On the other hand, positive relationships with teachers were found to decrease the negative effects of discrimination by peers among immigrant youth (Özdemir & Stattin, 2014).

Some studies have investigated the effect of sex on PED, and have found that experienced discrimination may differ between boys and girls. An 18-year longitudinal study concluded that boys perceived more discrimination over time than girls did (Assari, Gibbons, & Simons, 2018). However, even though boys were found to have higher scores on PED than girls (Assari & Caldwell, 2017; Lorenzo-Blanco, Unger, Oshri, Baezconde-Garbanati, & Soto, 2016), depressive symptoms were found to be more associated with PED among girls than boys (English, Lambert, & Jalongo, 2014).

School Connectedness as a Protective Factor

School connectedness functions as a buffer against negative effects of PED, poor mental health (Oldfield, Humphrey, & Hebron, 2016; Abubakar, Vijver, Mazrui, Murugami, & Arasa, 2014), and thoughts of dropping out from school (McWhirter, Garcia, & Bines, 2018).

Adolescents who perceived better relationships with peers and teachers reported higher school connectedness (Chui, Pong, Mori, & Chow, 2012; Uslu & Gizir, 2017; Niehaus, Irvin, Rogelberg, 2016). Similarly, perceived and nominated friendship was positively related to higher school connectedness among adolescents with an immigrant background (Delgado, Ettekal, Simpkins, & Schaefer, 2016).

Studies investigating the link between school connectedness and PED have found varying results. Weak school connectedness was found to be associated with higher PED among adolescents with an immigrant background (Liu, Yu, Wang, Zhang, & Ren, 2014). On the other hand, Cooper, Brown, Metzger, Clinton, & Guthrie (2013) did not find any connection between school connectedness and PED. One reason for the mixed findings might be that the authors used different measures of school connectedness. In the study by Goodenow (1993) and Liu et al. (2014), connectedness was defined as sense of acceptance, respect, inclusion and support from peers, school personnel, and environment, while Cooper and colleagues (2013) measured school connectedness as academic commitment.

Effect of immigrant background and sex on school connectedness

An international study among adolescents from 41 countries found that immigrant adolescents experienced lower school connectedness compared to native adolescents (Chiu et al., 2012). Similarly, according to a longitudinal study, adolescents that partially have another ethnic/racial background than the majority were found to have lower school connectedness than their native peers (Cheng & Klugman, 2010). Compared to native youth, the protective effect of school connectedness and teacher support on depressive symptoms was found to be notably higher among racial minority youth (Joyce & Early, 2014). Still, adolescents with an immigrant background have been found to report on average less support at school than natives (Gregory & Weinstein, 2008). Low school connectedness and behavioral problems were found to predict dropout rates of adolescents (Wang & Fredricks, 2014). In Sweden, two fifth of the youth with immigrant background had dropped out from upper secondary schools, while the proportion was 22% among native students (Taguma, Shewbridge, Huttowa, & Hoffman, 2009). Similarly, the Finnish National Agency for Education (2018) has reported that adolescents whose mother tongue is a foreign language have higher dropout rates than their native peers. Other factors, such as poor academic

performance, low attendance, and low self-identification with school (Balfanz, Herzog, & Mac Iver, 2007; Fall & Robers, 2012) predicted dropout from school among adolescents. As a family related factor, low socioeconomic status has been found to be one of the strongest predictors of dropout (Dunham & Wilson, 2007), and children with an immigrant background report lower socioeconomic status compared to those with native background (Capps, Fix, Ost, Reardon-Anderson, & Passel, 2005; Hernandez, 2004; Jackson, Kiernan, & McLanahan, 2012).

Studies investigating sex differences regarding school connectedness show mixed results. Some studies have found girls to report higher school connectedness than boys (Hughes, Im, & Allee, 2015; O'Neel & Fuligni, 2013), and that school connectedness declined later in adolescences among girls than among boys (O'Neel & Fuligni, 2013). On the other hand, boys have also been found to report higher levels of school connectedness than girls (Bottiani, Bradshaw, & Mendelson, 2017).

The aim of the current study was to investigate perceived ethnic discrimination among Finnish secondary school students from diverse family backgrounds (natives, immigrants, and multicultural backgrounds). The study is novel in the sense that it explores school connectedness in relation to ethnic discrimination regarding which there is an existing research gap, and it explores the effect of three types of family background. Specifically, the study addresses the following research questions:

This study aims to investigate (1) the relationship between adolescents' family background in terms of immigration different forms of perceived ethnic discrimination (PED) and school connectedness, (2) to what extent students' sex is related to PED and school connectedness, and (3) whether or not there is an interaction effect between family background and sex on PED and school connectedness. In addition to that, multicultural youth, i.e. adolescents who have one native parent while the other is an immigrant, are also targets of study. Adolescents with multicultural family background are usually underrepresented in previous research. The reason to study adolescents as having native, multicultural and immigrant background was to emphasize the differences between these groups on the investigated variables.

Method

Participants

The sample consisted of 1,827 adolescents (996 girls, 737 boys; 24 participants described themselves as belonging to neither sex, i.e. as having another sexual orientation, and 70 preferred not to declare their sex). Participants were from ten different junior high and high schools in Western Finland. Seven of the schools were Finnish-speaking and three were Swedish-speaking schools; since this particular region in Finland is bilingual. The age of the respondents' ranged from 12 to 19 years. The mean age for girls was 15.7 years ($SD = 1.6$), for boys 15.4 ($SD = 1.6$), for others 14.8 ($SD = 1.7$), and for those who preferred not to say 14.9 ($SD = 1.9$). Those having another sexual orientation and preferred not to declare their sex were not included in the analysis where sex differences were investigated. The age difference between girls and boys was significant, although the effect size measured with Cohen's d was small [$t_{(1731)} = 4.29, p < .001, d = .02$]. The significant difference was apparently due to the relatively high sample size. However, age was kept as a covariate in the subsequent analyses in order to avoid possible bias due to age.

One hundred and fifty-five (8.5%) of the adolescents were born abroad. The respondents were divided into three groups in accordance with their family background. If both parents had an immigrant background, they were recorded as having an immigrant family background. If one parent had an immigrant background and the other a native (either a Finnish- or Swedish-speaking), they were recorded as having a multicultural family background. If both parents had a native (either a Finnish-speaking or Swedish-speaking) background, the adolescents were recorded as having a native background. Of the participants, 125 (6.8%) belonged to immigrant families, and 176 (9.6%) of belonged to multicultural families in which one parent was born abroad. Reported spoken languages at home were as follows: only Finnish ($n=1242$), only Swedish ($n=159$), only other languages ($n=87$), only English ($n=8$). Two, three or even more languages were spoken at home by a significant amount of the participants. A hundred and seventy-five of the participants spoke both Finnish and Swedish at home, 41 spoke Finnish and other languages, 39 spoke Finnish and English, and 6 spoke Swedish and other languages; 51 spoke three or more languages at home.

Ethical considerations

Parents or legal guardians, school officials, and municipalities were informed about the study, and study participation was voluntary for the adolescents. The study followed the principles concerning guidelines for the responsible conduct of research of The Finnish Advisory Board on Research Integrity (2012). An information letter about the study and parental consent was provided in Finnish, Swedish and English, considering that at least one parent would be able to speak one of these languages.

Measures

The data were collected with an online questionnaire. Both direct (e.g. name-calling, insulting) and indirect forms (e.g. unfair treatment, assuming one is unintelligent) of PED is studied among youth from both immigrant and native background. PED was measured using a 27-item Likert scale consisting of three subscales measuring PED by peers, teachers, and by someone else. The items for this measure were adopted from Nadal (2011), Pachter, Bernstein, Szalacha, & García Coll (2010), Contrada et al. (2001), and Whitbeck, Hoyt, McMorris, Chen, & Stubben (2001). The items for the subscales of PED by peers and teachers are presented in Figure 1. The response alternatives were on a five-point scale ranging from 0 (not at all) to 4 (very often). Completing the questionnaire took approximately 15 minutes, and in addition to family background and sex, information on age, country of birth, length of stay in Finland (if born abroad), language spoken at home, and the school's name were collected.

A few items were added to these items while constructing the subscale for PED by someone else, for instance 'someone avoided walking near you on the street'. The reliability was measured with Cronbach's α , which for this scale was .93. In the case of all subscales, the total scores were divided by the number of items in the subscale, so that the range of the scale remained 0 – 4. The missing data was handled with list-wise deletion since the sample was large and the percentage of missing data was low (< 5%).

Table I

Items Included in Two of the Subscales Measuring Perceived Ethnic Discrimination by Peers and Teachers, Respectively.

Because of your cultural background (ethnicity, religion or language) your peers have... ($\alpha = .89$)	Because of your cultural background (ethnicity, religion or language) teacher/s have... ($\alpha = .92$)
1. said something bad or insulting to you.	1. assumed you are not smart or intelligent.
2. ignored you or excluded you from some activities.	2. given you less chance to talk.
3. called you with a name that was related to your background in a bad way.	3. accused you of something you did not do at school.
4. treated you unfairly.	4. treated you badly or unfairly.
5. avoided being friends with you.	5. watched you more closely at school.
6. assumed that you are poor.	6. overlooked your opinion
7. assumed that you would not be intelligent.	7. had low expectations from you.
8. overlooked your opinion in a group discussion.	

School connectedness was measured with Goodenow's (1993) Psychological Sense of School Membership Scale ($\alpha = .89$ in the present study). This scale consisted of 12 items, i.e. 'I feel like a real part of this school' and 'People here notice when I am good at something'.

Results

The correlations between the dependent variables used in the study are presented in Table 2. As expected, the three types of perceived ethnic discrimination correlated negatively with school connectedness, and the strength of the correlation was moderate. Correlations between three forms of PED were high.

Table 2. Pearson Correlation Coefficients for Three Types of Perceived Ethnic Discrimination (PED) and School Connectedness. Correlations for Boys are above the Diagonal, and for Girls below the Diagonal ($N = 1,796$).

	1.	2.	3.	4.
1. PED by peers		.66***	.70***	-.26***
2. PED by teachers	.63 ***		.63***	-.21***
3. PED by someone else	.74***	.67***		-.24***
4. School connectedness	-.33 ***	-.32***	-.32***	

*** $p < .001$

A 2x3 multivariate analysis of variance (MANCOVA) was performed with age as covariate, sex and immigration status as independent variables, and three types of perceived ethnic discrimination (by peers, teachers, and others) and sense of school connectedness as

dependent variables. The results of MANCOVA are first presented in Table 3, and then the univariate analysis are further illustrated in Figures 1 and 2.

As Table 3 and Figures 1 and 2 reveal, there were clear statistical effects by family background, and the effect of sex was significant but not substantial. Overall, adolescents with an immigrant background perceived that they had been discriminated more against than adolescents with multicultural background (in which one parent was an immigrant and the other a native). Native adolescents experienced the lowest amounts of discrimination, significantly lower than both the other groups ($p = .001$ for all types of discrimination, except PED by teachers, which was lower only among native adolescents in comparison with those with an immigrant background). They also experienced a significantly higher level of school connectedness than children with an immigrant background, but not than children with a multicultural background ($p = .009$). The effect of language was not significant when also including family background, and therefore it was excluded in the final analysis.

Furthermore, the multivariate effect for the interaction between family background and sex was also significant (Table 3). Girls with a multicultural background experienced higher levels of discrimination by peers [$t_{(160)} = 2.84, p < .01, d = .45$] and discrimination by someone else [$t_{(159)} = 2.19, p < .05, d = .34$] than boys with a multicultural background (Fig. 3). Boys with native and multicultural background showed similar levels of PED by peers, which means that the observed decline in this variable according to family background was due to higher mean values among multicultural girls. Girls with native background were found to have slightly lower scores of PED by teachers [$t_{(1337)} = 4.19, p < .001, d = .26$]. However, they also experienced lower school connectedness [$t_{(1373)} = 4.45, p < .001, d = .34$] than boys with native background (Fig. 4).

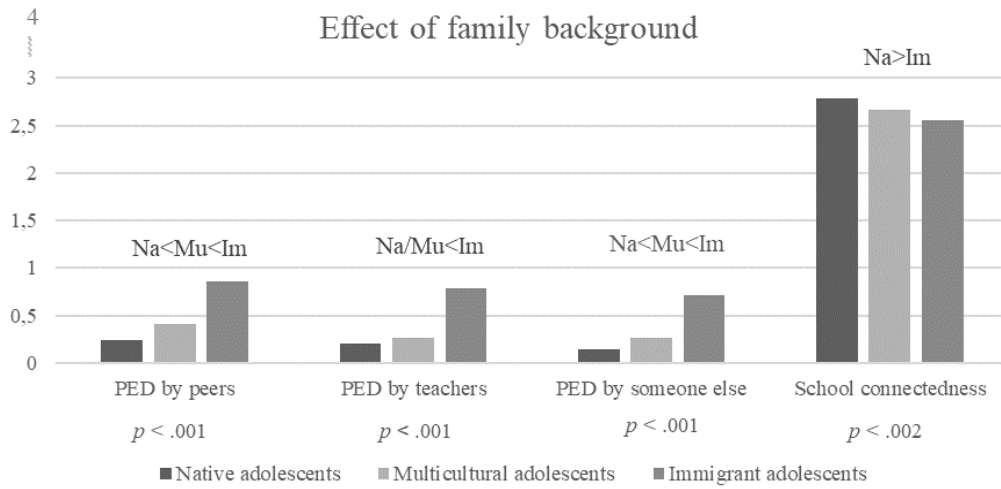


Fig. 1. Mean values of the four dependent variables of the study according to immigrant background (Im = immigrant family, Mu = multicultural family, and Na = native family). For statistical details, cf. Table 3 (N = 1,588).

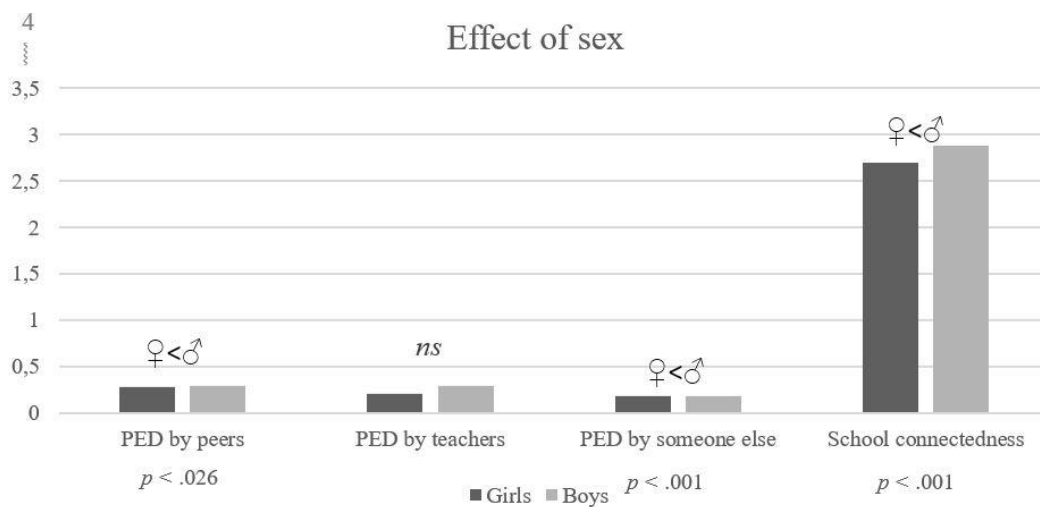


Fig. 1. Mean values of the four dependent variables of the study according to sex. For statistical details, cf. Table 3 (N = 1,588).

Table 3

Multivariate Analysis of Variance (MANCOVA) with Family Background and Sex as Independent Variables and PED and School Connectedness as Dependent Variables (N = 1,588), cf. Figures 1 and 2.

	<i>F</i>	<i>df</i>	<i>p</i> ≤	η_p^2	Group differences
<i>Effect of Covariate (age)</i>					
Multivariate analysis	23.896	4, 1578	.001	.057	
Univariate analyses					
PED by peers	31.80	1, 581	.001	.020	
PED by teachers	41.29	“	.001	.025	
PED by someone else	11.90	“	.001	.007	
School connectedness	66.20	“	.001	.040	
<i>Effect of Family Background</i>					
Multivariate analysis	19.83	8, 3158	.001	.048	
Univariate analyses					
PED by peers	63.40	2, 581	.001	.074	Im>Mu>Na*
PED by teachers	41.55	“	.001	.050	Im>Na/Mu
PED by someone else	67.22	“	.001	.078	Im>Mu>Na
School connectedness	6.16	“	.002	.008	Na>Im
<i>Effect of Sex</i>					

Multivariate analysis	5.77	4, 1578	.001	.014	
Univariate analyses					
PED by peers	4.98	1, 1581	.026	.003	♂>♀
PED by teachers	0.61	“	<i>ns</i>	.	
PED by someone else	11.76	“	.001	.007	♂>♀
School connectedness	12.83	“	.001	.008	♂>♀
<i>Interaction effect Family Background x Sex</i>					
Multivariate analysis	3.37	8, 3158	.001	.008	
Univariate analyses					
PED by peers	3.26	2, 1581	.003	.007	Mu: ♀>♂
PED by teachers	2.48	“	.020	.005	Na: ♂>♀
PED by someone else	3.34	“	.001	.010	Mu: ♀>♂
School connectedness	0.32	“	<i>ns</i>	.	Na: ♂>♀

*Im= immigrant, Mu = multicultural, Na = native; ♀ = girl, ♂= boy.

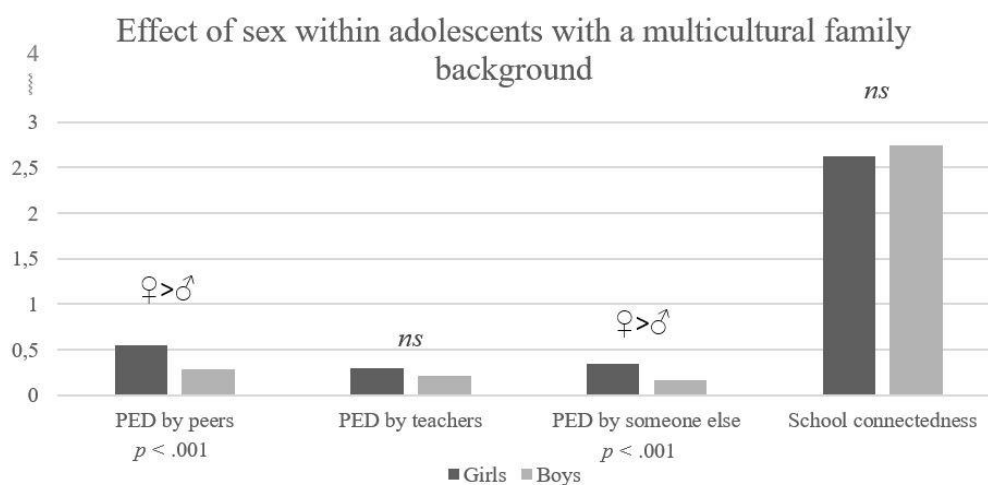


Fig. 3. Mean values of the four dependent variables of the study according to sex within the adolescents with a

multicultural family background. For statistical details, cf. Table 3 and the text (N = 1,588).

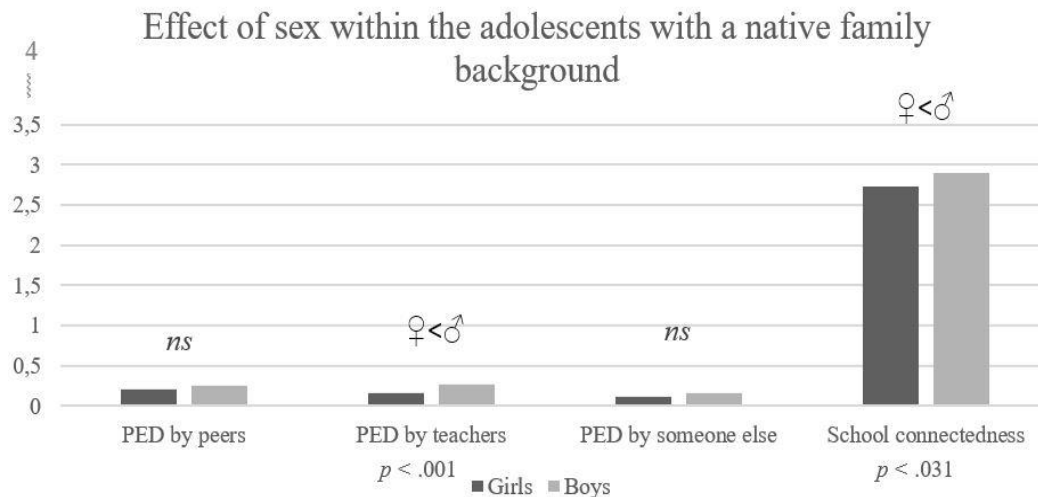


Figure 2. Mean values in four dependent variables of the study according to effect of native family background and sex. For statistical details, cf. Table 3 and the text (N = 1,588).

Discussion

The current study shows that family background is an essential independent variable that is related to PED and school connectedness, and that it interacts with sex on the dependent variables measured. As expected, adolescents with an immigrant background reported higher levels of PED and lower school connectedness in comparison with those of a multicultural and native background. This finding might be due to the source of discrimination, since PED by teachers has been found to be associated primarily with lower school performance (Benner & Graham, 2013), and low school performance has in turn been found to be associated with low school connectedness (Eisenberg et al., 2003). Still, scores for PED by teachers in the current study were quite low, which might mitigate the negative effects of PED by peers (cf. Özdemir & Stattin, 2014). Boys reported higher levels of PED by peers and by someone else in comparison with girls, but boys also reported higher levels of school connectedness. However, the effect sizes for sex differences were not substantial. Furthermore, no sex differences were found regarding PED by teachers. Moreover, multicultural girls scored significantly higher on PED by peers and by someone else, which is

another intriguing result. Compared to multicultural boys, multicultural girls might identify themselves more as immigrants, a fact which may be reflected in more PED by peers.

The finding that adolescents with an immigrant background scored higher on PED are in line with previous research from Finland (Myllyniemi, 2017; Wikström et al., 2014; Strohmeier et al., 2011) and from other countries (Plenty & Jonsson, 2017; Herman, 2004). Moreover, it supports previous research on prejudiced beliefs among adolescents and widespread discrimination in Finland towards immigrants in general and immigrant peers in school (Jaakkola, 2009; Jasinska-Lahti & Liebkind, 2001; Nshom & Croucher, 2017; Zacheus et al. 2019). In the present study, boys showed slightly higher levels of PED by peers and by someone else, which is in line with the findings by Assari et al. (2018). Also, in line with previous research (Chiu et al., 2012; Cheng & Klugman, 2010), adolescents with an immigrant family background scored lower on school connectedness than those with a native family background. Boys reported higher school connectedness than girls, which is supported by the findings by Bottiani et al. (2017).

The study underlines the importance of family background and source of discrimination (i.e. by peers, teachers, or someone else) in terms of gaining a broader perspective on the relationship between the variables. Separating PED by its source might also be a way to identify the negative effects of PED more directly, as the case was in the study by Benner and Graham (2013). Furthermore, the study also shed light on the situation of multicultural adolescents with one parent being a native, the other an immigrant. The results emphasize that adolescents with a multicultural background should be studied as a separate group. Similar to other European countries, adolescents with immigrant background in Finland are also at risk of experiencing discrimination and negative effects associated with the experience. The fact that multicultural girls experienced more PED might reflect that compared to multicultural boys, they identified themselves more as immigrants (Herman, 2004).

Some limitations of the study should be mentioned. Adolescents who reported their sex as 'other' or 'I prefer not to say' were not included while analyzing sex differences on the dependent variables. Otherwise, they were included in family background analyses. Another

potential limitation of the study is that adolescents who studied in vocational schools were not included in the study, which might lower the representativeness of the research sample. However, there are not major differences in Finnish secondary schools in terms of learning environment, a fact which decreases this risk. Further research is needed to examine the effect of the source of PED on school connectedness and how these two factors are related with adolescents' social development. In addition to that, longitudinal studies investigating the effect of PED according to its source on proximal processes at the micro-level would provide a better understanding of adolescents' social development. Moreover, PED and school connectedness need to be investigated according to the adolescents' different acculturation approaches (e.g. integration and/or assimilation) to understand the relationship better. Further research on risk factors for adolescents' mental health that are associated with the source of discrimination might strengthen the understanding of the subject. More research is also needed to investigate sex differences within adolescents with a multicultural background. Identifying the association between school connectedness and risk factors in relation to the source of discrimination, taking into account also sex differences in culturally diverse adolescent groups, might potentially enable the development of more effective programs in order to reduce discrimination and foster school connectedness.

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