

Prejudice Reduction at Scale:

How Institutional Inclusion Reduces Social Exclusion

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Brief Description

Prejudice Reduction at Scale explains why improving intergroup relations in conflict-ridden societies is challenging and how minority institutional inclusion can reduce social exclusion. I argue that reducing prejudice is extremely challenging for two reasons. First, prejudice is durable, acquired in early age socialization, reinforced by ongoing dynamics of conflict, and therefore extreme and stable over time. Second, prejudice motivates intergroup avoidance, encouraging individuals to sidestep interactions with outgroups and experiences that are conducive to improving intergroup relations.

Developing a theory of prejudice reduction through public institutions, I argue that minority inclusion in public institutions—such as schools, hospitals, and police forces—can reduce prejudice at scale because it overcomes the challenges of durability and avoidance. Specifically, inclusionary public institutions facilitate various forms of exposure to high-status, skilled, minority service providers that contribute to the public good, and this novel exposure is especially effective in reducing durable prejudice. Importantly, however, since public institutions provide essential services, they help overcome the challenge of avoidance and facilitate effective exposure to outgroups among a broad range of citizens that would otherwise refrain from intergroup interactions.

To situate and test my argument, I mostly focus on Palestinian Citizens of Israel (hereafter PCI) inclusion in Israeli public institutions and the effects of such inclusion on Jewish-Israeli prejudice and preferences of social exclusion towards PCIs. First, I elaborate on the history and nature of intergroup relations in Israel and document how durability and avoidance render prejudice reduction a challenging task. In light of these insights, I describe the unexpected rise of PCI inclusion within Israeli public institutions since the early 2000s and explain why such inclusion generates unintended, albeit promising, opportunities for prejudice reduction. Informed by my descriptive analyses, I turn to test my theory of prejudice reduction through public institutions with a series of natural and survey experiments. My various studies demonstrate how brief yet meaningful interactions with skilled high-status PCI service providers reduce Jewish Israelis' prejudice towards PCIs and how even absent direct interactions, information about the rate of PCI inclusion in Israeli institutions further reduces intergroup animosity. *Prejudice Reduction at Scale* reveals how public institutions and the people within them can overcome the challenges of prejudice durability and

intergroup avoidance to meaningfully shape intergroup relations in divided societies.

Full Description

Prejudice, conceptualized as “an antipathy based on a faulty and inflexible generalization” (Allport 1954, p. 9), is a major cause of discrimination and an impediment to intergroup cooperation around the world (Enos and Gidron 2018; Peyton and Huber 2021). A global consensus over the social importance of reducing prejudice (United Nations 1965), has motivated a century of research across the social sciences exploring the nature of prejudice (Allport 1954; Fiske 1998), and the paths to reduce it (Paluck et al. 2020). Despite decades of interdisciplinary and applied research, prejudice reduction remains challenging, especially in conflict-ridden societies, because prejudicial attitudes and preferences are extreme and durable, and prejudicial individuals tend to avoid interactions with outgroups or experiences conducive to improving intergroup relations. In *Prejudice Reduction at Scale*, I argue that public institutions—such as schools, hospitals, and police forces—are well suited to overcome these fundamental challenges and lay out a novel institutional approach for prejudice reduction.

I broadly conceptualize institutions as a system of rules, beliefs, and norms that manifests in organizations (Greif 2006), and focus on a component of this system: public institutions, which I define as “organizations that provide societal goods for citizens.” Scholarly interest in prejudice was initially motivated, to a great extent, by institutional changes in the U.S. relating to the desegregation of schools and military units (Allport 1954). However, with the exception of research on descriptive representation in electoral institutions (Chauchard 2014, 2017), most prominent frameworks for prejudice reduction today rarely engage with the role of public institutions in shaping intergroup relations in divided societies and tend to focus on light-touch, one-shot, grassroots psychological interventions (Paluck et al. 2020).

The theoretical starting point of *Prejudice Reduction at Scale* is that it is crucial to think about the role of public institutions when studying prejudice reduction for three main reasons. First, public institutions provide citizens with information that enables and guides behavior (Greif 2006; Posner 2005), and by virtue of their status and importance in society, service providers within institutions can overcome the challenge of prejudice durability and shape intergroup relations in conflict-ridden society. Second, public institutions provide essential services to a broad range of citizens (Pepinsky, Pierskalla and Sacks 2017) and are therefore well-situated to overcome the challenge of intergroup avoidance and influence not only tolerant individuals but, more importantly, prejudicial citizens who tend to avoid intergroup interactions but are in need of essential services provided by inclusionary institutions. Finally, institutions can be reinforcing (Greif and Laitin 2004), and relatively stable over time (Thelen 1999). Accordingly, when institutions diversify for normative or instrumental reasons, they can facilitate cost-effective, scalable, and recurring dynamics that are favorable for intergroup relations.

Motivated by these insights, I develop a theory of prejudice reduction through public institutions, which combines institutional and psychological perspectives. I elaborate on two central ways in which minority inclusion in the ranks of public institutions can reduce prejudice in divided societies. First, I argue that public institutions that employ minority service providers in visible and reputable positions facilitate recurring interactions which emphasize the value of intergroup complementarity and cooperation (Jha 2013, 2022). For example, inclusionary healthcare systems generate daily interactions between majority patients and minority doctors, and inclusionary education systems connect majority students with minority teachers. In these instances, majority-group members engage in an unusual form of intergroup interaction that violates commonly stated conditions for effective intergroup contact (i.e., equal status prolonged contact that facilitates relationship building) (Allport 1954). Nonetheless, such interactions are unusually helpful in reducing prejudice because they allow majority group members to receive vital services from highly professionalized, high-status, respected outgroups, an experience that, I argue, can lead to prejudice reduction.

Second, I argue that even absent direct interactions with minority service providers, inclusionary institutions can reduce prejudice because they signal information about minorities' participation in reputable institutions and contribution to the common good. In divided societies, minorities are wrongly viewed as a fifth column or societal burden (Bracic 2020; Lajevardi 2020). Therefore, learning that minorities are employed in public institutions serves to disconfirm misperceptions, shape beliefs about minorities' contributions to society, and reduce prejudice.

My theory of prejudice reduction through public institutions applies to a broad range of contexts with deep societal divides and reputable, established institutions. However, most of the empirics in *Prejudice Reduction at Scale* focus on Jewish-Israeli prejudice towards PCIs and its response to PCI inclusion in public institutions. The empirical component of the book begins with two descriptive chapters. First, I provide a historical overview of intergroup relations in Israel, emphasizing how the durability of prejudice and intergroup avoidance render prejudice reduction a challenging task in Israel, as well as other conflict-ridden societies. In light of this overview, I document the puzzling pattern of minority inclusion in Israeli public institutions since the early 2000s, explain the political economy rationale leading center and right-wing governments to promote PCI inclusion in public institutions, and describe how such inclusion generates unintended, albeit promising, opportunities for prejudice reduction.

After contextualizing prejudice and institutional inclusion in Israel, I test the observable implications of my theory through a series of novel experiments. Using a natural experiment in over 20 clinics across Israel, I show that Jewish patients receiving medical care from PCI (rather than Jewish) doctors report lower levels of prejudice. I then report results from a survey experiment showing that even absent direct interactions, Jewish Israelis that learn about rates of PCI inclu-

sion in healthcare report lower levels of prejudice towards PCIs. I bolster the generalizability of these findings through additional experiments implemented in Israel and the U.S., demonstrating that similar patterns of prejudice reduction emerge when focusing on other institutions and countries. Finally, I consider the limits of institutional inclusion and emphasize the centrality of service providers' social status and skills in a series of studies demonstrating how exposure to low-status service providers as well as service providers recruited via affirmative action programs, are ineffective in shaping majority group members' prejudice towards minorities.

Prejudice Reduction at Scale makes two major contributions to ongoing research and public conversations on prejudice in conflict-ridden societies and diversity and inclusion in public institutions. First, scholars and practitioners are increasingly interested in developing promising programs and interventions to reduce prejudice toward minorities. Departing from existing trends that focus on micro-level interventions directed often at self-selecting individuals, *Prejudice Reduction at Scale* encourages readers to think systematically about the institutions that are an inseparable part of our daily experiences and how minority inclusion within them can reduce prejudice in divided societies. Second, *Prejudice Reduction at Scale* builds on existing research documenting how minority inclusion in public institutions yields equitable public goods provision and demonstrates an unexplored benefit of minority inclusion leading to more favorable intergroup relations. Finally, *Prejudice Reduction at Scale* informs ongoing debates regarding intergroup dynamics within the Israeli state and the potential of institutional inclusion to reduce PCI social exclusion.

Proposed Chapter Outline

1. **Introduction:** I motivate *Prejudice Reduction at Scale* by describing high-profile manifestations of prejudice towards PCIs in Israel in recent years, which I complement with cross-national data from the World Values Survey documenting the prevalence of prejudice around the world. Emphasizing the adverse consequences of prejudice, its prevalence, and the challenges of reducing exclusionary preferences in conflict-ridden societies, I introduce the main objective of the book: developing and testing an institutional framework for prejudice reduction. After motivating the book, I define core concepts (i.e., prejudice, social distance, public institutions), lay out the main argument alongside an overview of the evidence, and provide a roadmap of chapters.
2. **A Theory of Prejudice Reduction through Public Institutions:** This chapter lays out the theoretical argument of the manuscript explaining how minority inclusion in public institutions reduces majority group members' prejudice towards minorities. The chapter begins by overviewing what we know about prejudice and how to reduce it. This overview emphasizes the limited attention allocated to public institutions as a vehicle for meaningful social change

and makes a case for my focus on public institutions and prejudice. Specifically, I explain why public institutions are well suited to overcome challenges relating to the durability of prejudice and intergroup avoidance. Then, in light of my argument regarding the importance of public institutions, I describe how inclusionary institutions can reduce prejudice by facilitating meaningful interactions between majority citizens and skilled high-status minority service providers and by signaling to majority group members that minorities are credibly committed to contributing to a common good through their participation in reputable institutions. Finally, I conclude the chapter by listing a series of hypotheses to be tested throughout the manuscript, as well as three central scope conditions.

3. **The Nature of Prejudice in Israel:** In this chapter, I provide a historical account of intergroup relations between Jewish Israelis and Palestinian citizens of Israel. Drawing on various secondary sources, I trace the development of a complicated relationship between PCIs and the Israeli state. I document the centrality of institutional exclusion as a central component of Palestinian life in the Israeli state and describe how the ongoing intractable conflict between the Israeli state and Palestinians in the West Bank and Gaza influenced PCI's relations with the Israeli state and its Jewish citizens. My overview, which emphasizes institutional exclusion and violent intractable conflict as defining features of intergroup relations in Israel, suggests that prejudice in the Israeli context would be prevalent and durable. Moreover, reducing prejudice in Israel is challenging due to ongoing patterns of intergroup avoidance and segregation. Analyzing over 20 years of public opinion data, I trace the stability of preferences for exclusion among the Israeli Jewish public, provide evidence of extensive intergroup avoidance, and explore the correlates of prejudice with meaningful social and political attributes. I conclude the chapter by explaining why Israel, a context of extreme intolerance and stable preferences for exclusion, is essential for learning about prejudice reduction and a suitable context for testing my theory of prejudice reduction through public institutions.
4. **The Unexpected Rise of Inclusion in Israeli Institutions:** In light of the previous chapter that emphasizes the severity and prevalence of prejudice in Israel, this chapter begins with a puzzling question: why would politicians and bureaucrats representing majority group members in divided societies like Israel allow for minority inclusion in public institutions? To answer this question, I lay out a framework that emphasizes instrumental and normative motivations for inclusion. I then report data on inclusion in Israeli public institutions since the early 2000s, demonstrating the slow and steady rise of PCI inclusion within Israeli public institutions, primarily driven by hiring junior employees in a select set of institutions, including health and education. These patterns emphasize that even in deeply divided so-

cieties like Israel, minority inclusion in public institutions often emerges. In the remainder of the chapter, I analyze historical records, governmental and NGO reports, and secondary sources to explain the rise of institutional inclusion in Israel. I argue that a series of narrow legislations and court rulings during the 1990s raised the initial salience of minority inclusion as a normatively important policy that promotes equality. But ultimately, instrumental motivations to leverage PCI's human capital and strengthen their attachment to the state have motivated center and right-wing governments to use a range of policies to diversify Israeli public institutions. My analyses emphasize how instrumental policy changes promoted by unexpected political actors can yield unintended dynamics that are potentially promising for prejudice reduction.

5. **Palestinian Doctors, Jewish Patients, and Prejudice Reduction:** Acknowledging the prevalence of prejudice in Israel, and the surprising rise of PCI institutional inclusion in recent years, this chapter returns to my theory of prejudice reduction through public institutions to test the first component of my argument. I begin the chapter by recapping my expectation that meaningful interactions between minority service providers and majority citizens can reduce prejudice and emphasize the inferential challenges of identifying the effects of such interactions. In the remainder of the chapter, I describe a natural field experiment I implemented in collaboration with a chain of Israeli medical clinics operating in over 20 locations across Israel.¹ In this experiment, I leverage the random assignment of patients to doctors within clinics, as well as access to de-identified medical records, and a treatment evaluation survey, to identify the effects of receiving medical care from a PCI (rather than a Jewish) doctor, on Jewish Israeli prejudice towards PCIs. I show that Jewish patients receiving medical care from skilled high-status PCI doctors report lower prejudice towards the PCI community 1-10 days after their interaction. Moreover, these effects appear for patients with varying political preferences, regardless of whether they have encountered a PCI doctor in the past. The evidence in this chapter emphasizes how public institutions can facilitate recurring interactions between majority group members and minorities in influential and reputable positions centered around complementarity and cooperation and favorable for prejudice reduction.
6. **Information, Signals of Inclusion, and Prejudice Reduction:** In light of the evidence reported from my natural experiment, this chapter demonstrates that even absent direct interactions, inclusionary institutions can reduce prejudice by providing novel information signals. At the start of the chapter, I recap the second component of my theory, that in-

¹This chapter is based on and extends the evidence from Weiss (2021), published in the Proceedings of the National Academy of Sciences: <https://doi.org/10.1073/pnas.2022634118>.

clusionary institutions provide majority group members with information regarding how minorities are credibly committed to contributing to a common good through their participation in reputable public institutions, and why this information is especially important in divided societies where minorities are often viewed as a fifth column or societal burden. I then describe a survey experiment that I implemented in Israel at the height of the first wave of the COVID-19 pandemic. In the experiment, I provided Jewish Israeli survey respondents with brief information regarding the share of PCIs working in healthcare institutions. Later in the survey, I elicited respondents' prejudice toward multiple social groups in Israel. My results from this experiment demonstrate that information about rates of minority inclusion reduces majority group members' prejudice towards minorities.

7. **Generalizability and Scope Conditions:** Chapters 5-6 take a deep dive into the context of PCI inclusion in Israeli healthcare institutions to provide rigorous evidence supporting the underlying arguments of my theory of prejudice reduction through public institutions. After providing strong evidence supporting my theory, I consider its generalizability through a series of additional studies and extensions. First, I show that my argument extends beyond the healthcare context to other institutions providing public goods for Israeli citizens. Second, I show that similar patterns of prejudice reduction emerge in a survey experiment implemented in the U.S. focusing on Muslim inclusion in U.S. healthcare institutions. Finally, extending evidence from Chapters 5-6, I consider the limits of inclusion and the importance of high status and skills for prejudice reduction through public institutions. To do so, I demonstrate that interactions with lower-status providers do not reduce prejudice, emphasizing the importance of high-status employment as a necessary condition for prejudice reduction through public institutions. Moreover, I examine the effects of exposure to minority service providers recruited via affirmative action and endogenous integration. I find that exposure to minority service providers hired via endogenous integration (affirmative action) is especially effective (ineffective) in reducing prejudice because it emphasizes (de-emphasizes) minority service providers' exceptional complementary skills. Together these additional analyses point to social status and complementary skills as two necessary conditions for my theory of prejudice reduction through public institutions.
8. **Conclusion:** In this chapter, I summarize my central arguments and link each component of my theory with relevant evidence reported throughout the book. After doing so, I elaborate on my contributions to the literature on prejudice reduction and diversity and inclusion in public institutions and delineate the implications of my evidence for intergroup relations in Israel and beyond. Finally, I conclude by describing unexplored mechanisms through which minority inclusion in public institutions might affect intergroup relations in divided societies

and lay out a series of priorities for a research agenda on the links between institutions and intergroup relations around the world.

9. **Appendix:** The appendix will include technical information about all experiments and surveys reported in the book and supplemental analyses relevant to interested and technically inclined readers.

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