Empathy-Building Interventions: A Review of Existing Work and Suggestions for Future Directions

Erika Weisz and Jamil Zaki

Abstract

A major question in the study of empathy—the capacity to share and understand others’ internal states—is whether it can be increased. Scientists have designed a number of effective interventions through which to build empathy, especially in cases where it typically wanes. Here we review these efforts, which often focus on either enhancing individuals’ skills in experiencing empathy or expressing empathy to others. We then propose a novel approach to intervention based on a motivated account of empathy: not only teaching people how to empathize, but also encouraging them to want to empathize. Research traditions from social psychology offer several ways of increasing empathic motivation, which can complement existing work and broaden the palette of applied scientists seeking to help people develop their capacities to care for and understand others.

Key Words: interventions, empathy, self-oriented interventions, group-based interventions, situation-based interventions

More than any other species on earth, humans vicariously experience others’ thoughts and feelings. Empathy—the capacity for one person (a perceiver) to share and understand internal states of someone else (a target)—is a social bridge that allows us to connect with one another. It also drives many crucial downstream outcomes, including individual well-being (Davis, 1983; Mehrabian, 1996; Wei, Liao, Ku, & Shaffer, 2011) and prosocial behavior (Batson & Shaw, 1991).

Yet, for all its benefits, empathy is not a universal response; it predictably fails under certain conditions (Zaki & Cikara, 2015). For instance, people experience reductions or even reversals in empathy during conflict (Brewer, 1999; Hein, Silani, Preuschoff, Batson, & Singer, 2010; Sherif, 1936) and when interacting with dissimilar others (Chiao & Mathur, 2010; Mitchell, Macrae, & Banaji, 2006; Singer, Seymour, & O’Doherty, 2006; Xu, Zuo, Wang, & Han, 2009). In other cases, an individual’s experience or even their profession reliably diminishes empathy. For example, doctors sometimes fail to correctly understand the depth of their patients’ suffering (Decety, Yang, & Cheng, 2010; Marquié et al., 2003), diminishing well-being in both patients (Hojat et al., 2011) and physicians (Krasner et al., 2009). Sources of empathic failure can compound each other. For instance, empathy impairments among medical professionals are exacerbated when interacting with black patients (Goyal, Kuppermann, Cleary, Teach, & Chamberlain, 2015; Trawalter, Hoffman, & Waytz, 2012). These empathy failures and their devastating consequences generate an important question: Is it possible to build empathy through intervention? To answer this question, we must first consider the nature of empathy. Is empathy a fixed capacity, or is it a skill that can be developed over time?

Individual differences in empathic tendencies register on a number of indices, suggesting that
Empathy may be a stable trait. First, people differ in reports of how much empathy they feel for a target (Davis, 1983; Eisenberg & Miller, 1987; Mehrabian, Young, & Sato, 1988). They also differ in their tendencies to convey empathy in facial expressions (Lundqvist & Dimberg, 1995; Sonnby-Borgström, Jönsson, & Svensson, 2003), in their empathy-related brain activity (Hooker, Verosky, Germine, Knight, & D’Esposito, 2010; Marsh et al., 2008; Singer et al., 2006), and in their capacities to offer help when confronted with others’ distress (Davis et al., 1999; Hein et al., 2010).

Other evidence challenges this notion, however, demonstrating that empathy is highly sensitive to situational forces. For example, though some studies find that women are more empathic than men, a closer examination shows that this difference only manifests under certain contextual constraints (like when empathy-relevant gender expectations are made salient) (Ickes, Gesn, & Graham, 2000). Clever manipulations of situational features reduce these differences (Klein & Hodges, 2001; Thomas & Maio, 2008), supporting the idea that empathy is susceptible to change across contexts. In many cases, individual differences are only weak indicators of empathy and related behavior. Sometimes situational factors (e.g., limited time) change the likelihood that someone will empathize (Shaw, Batson, & Todd, 1994) and predict helping behavior better than trait indices of empathy (Darley & Batson, 1973).

These findings align with a malleable view of empathy; though there is evidence for variability in individuals’ trait empathy, inconsistent responding across situations suggests that empathy can be developed. In an effort to further investigate the flexibility of empathy, researchers have endeavored to change it through intervention.

**Empathy and Compassion**

*Empathy* encompasses at least three related, but distinct, subprocesses. *Mentalizing* refers to the ability to draw inferences about a target’s thoughts and feelings (Davis, 1983). *Experience sharing* refers to the process by which someone vicariously experiences another person’s emotional state (Hatfield, Cacioppo, & Rapson, 1993). Finally, *empathic concern* captures a perceiver’s desire to alleviate a target’s distress (Batson, 2009). Though behaviorally and physiologically dissociable, the three subprocesses are deeply intertwined and interactive (Zaki & Ochsner, 2012). For example, exercises in perspective-taking can elicit increases in empathic concern (Batson et al., 1997; Batson, Turk, Shaw, & Klein, 1995).

*Compassion*, on the other hand, is the capacity to perceive and desire to alleviate others’ suffering (Goetz, Keltner, & Simon-Thomas, 2010). Features of empathy (particularly the empathic concern subprocess) bear great resemblance to compassion; both qualities feature an understanding of another person’s emotional states, coupled with a desire to help. However, though they probably share evolutionary roots, empathy and compassion are conceptually distinct constructs (Zaki, 2014). Compassion entails recognizing specific negative emotional states (like pain) and subsequently experiencing an urge to help; empathy involves sharing and understanding a range of emotions, both positive and negative. Empathy also involves both an understanding and a sharing of someone else’s feelings, whereas compassion may not require a perceiver to vicariously share another person’s feelings. Later in this chapter, we offer a framework of motivated empathy intended to complement existing empathy interventions. Though here we address interventions specifically designed at bolstering empathy, it should be noted that our motive-based framework could be similarly applied to compassion-related interventions, because both involve engagement with others’ emotions (Zaki, 2014).

Given the interplay of mentalizing, experience sharing, and empathic concern (and because there are relatively few empathy training studies), in this chapter we will review interventions aimed at increasing any of these three empathic subprocesses. We will start by reviewing empathy-building efforts, then suggest a novel framework for constructing empathy interventions. Crucially, we will differentiate between two categories of interventions; first, we will review existing interventions, which typically aim to bolster people’s empathic *ability*. We will then explore a novel, theory-driven approach for instead building people’s *motivation* to empathize, and describe applications of motive-based empathy interventions.

**A Review of Existing Interventions**

Many empathy interventions focus on developing people’s *ability* to empathize by targeting their capacity to experience empathy or expressing empathy to others. *Experience-based interventions* feature tasks that encourage “tuning in” to targets’ internal states. *Expression-based interventions* help perceivers more effectively convey empathy for a target.
Experience-based interventions often offer perceivers an opportunity to take a target’s perspective, through either imagining themselves in the target’s position or considering a target’s internal states. These two approaches build empathy for targets by providing a deeper understanding of their thoughts and feelings. Some interventions use role-play techniques to build empathy through simulating a target’s experience. Allowing perceivers to see the world through the target’s perspective facilitates better understanding of their internal states, in turn cultivating empathy for them. In one such project, medical students were admitted to stay overnight in a hospital to experience hospitalization from a patient’s perspective. The students who participated expressed greater interest in improving the doctor–patient relationships, suggesting that this role-play exercise worked in evoking sympathy for patients (Wilkes, Milgrom, & Hoffman, 2002).

Bunn and Terpstra (2009) used a novel experiential technique for medical students during their psychiatry rotation. Students underwent an auditory hallucination simulation while completing a battery of cognitive tasks in an effort to understand patients’ experiences during neuropsychological testing. Participating students later had higher scores on a self-report measure of empathy for individuals with mental illness (Bunn & Terpstra, 2009). Similar methods have been used to increase empathy among adolescents for their peers (Jacobs, 1977), among sex offenders for assault victims (Webster, Bowers, Mann, & Marshall, 2005), and among college students for the disabled (Claro & Jeffery, 1972) (see Table 16.1 for a selection of empathy interventions, and for a more thorough review of existing empathy interventions see Davis & Begovic, 2014).

Other perspective-taking techniques explicitly instruct perceivers to consider a target’s internal states. In one study, perceivers were asked to imagine the life and feelings of a target who was a member of a stigmatized group. This intervention increased positive evaluations, both for the stigmatized targets and for other members of the stigmatized group (Batson et al., 1997). In a study using a similar paradigm, imagining the thoughts and feelings of a heroin addict led participants to allocate more money to an addiction treatment agency, suggesting that these interventions also elicit positive downstream effects of helping behavior (Batson, Chang, Orr, & Rowland, 2002).

Researchers also use vignettes, videos, stories, and letters to deliver similar information about targets’ perspectives. These techniques are often used to promote empathy for out-group members. One study found that white students who watched a video documenting white privilege and institutional racism showed an increase in empathy and racial awareness (Soble, Spanierman, & Liao, 2011). In another study, Arab participants read and responded to a letter written by a Jewish mother whose son had been killed in a terrorist attack. Participants experienced more empathy and less hostility towards Israelis after the letter-writing activity (Shechtman & Tanus, 2006). Similar effects emerge following first-hand contact between groups. Inter-group contact diminishes prejudice and hostility (Pettigrew & Tropp, 2006) by increasing perspective-taking and empathy toward out-group members (Pettigrew & Tropp, 2008).

Some interventions designed to foster compassion or empathic concern use techniques like meditation to increase understanding of and caring for others. Such “compassion training” has induced changes in psychological (Jazaieri et al., 2015), physiological (Klimecki, Leiberg, Lamm, & Singer, 2013; Weng, Fox, Shackman, & Stodola, 2013), and behavioral (Condon, Desbordes, Miller, & DeSteno, 2013; Leiberg, Klimecki, & Singer, 2011) responses to others’ distress. Through role-play, media presentations, first-hand contact, and compassion meditation, experiential interventions build empathy by giving perceivers a deeper understanding of targets’ experiences.

Expression-based interventions teach participants to recognize targets’ internal states and respond appropriately. They are often implemented in cases where a perceiver fails to identify others’ distress, or when a perceiver is impaired in conveying empathy for a target. Expression interventions are often used among medical professionals, often enhancing doctors’ empathic displays. Empathic displays (e.g., wincing at others’ pain) serve communicative purposes, informing a target that the perceiver understands and shares their suffering (Bavelas, Black, Lemery, & Mullett, 1986). Given that the doctor–patient relationship is a context where showing empathy can improve relations, communication skills training programs are popular techniques among this population (Back et al., 2007; Bonvicini et al., 2009).³

Riess and colleagues developed a program specifically for physicians that featured a scientific justification for being empathic with patients. In their paradigm, physicians watched videos of difficult interactions between doctors and patients. The
<table>
<thead>
<tr>
<th>Study</th>
<th>Participants</th>
<th>Type</th>
<th>Training</th>
<th>Outcome</th>
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</thead>
<tbody>
<tr>
<td>Batson et al. (1997)</td>
<td>Female college</td>
<td>Experiential</td>
<td>Asked to imagine life and feelings of stigmatized targets (AIDS patient,</td>
<td>More positive attitudes towards members of stigmatized group</td>
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<td></td>
<td>students</td>
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<td>homeless person, murderer)</td>
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<td>Batson et al. (2002)</td>
<td>College students</td>
<td>Experiential</td>
<td>Asked to imagine life and feelings of stigmatized target (drug dealer)</td>
<td>Prosocial action on behalf of stigmatized group</td>
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<td>Bunn &amp; Terpstra (2009)</td>
<td>Medical students</td>
<td>Experiential</td>
<td>Audio hallucination simulation during neuropsychological testing</td>
<td>Higher score on Jefferson Scale of Physician Empathy</td>
</tr>
<tr>
<td>Condon et al. (2013)</td>
<td>Adults</td>
<td>Experiential</td>
<td>Attended meditation classes led by Tibetan Buddhist lama for 8 weeks</td>
<td>Increased rates of helping a suffering individual</td>
</tr>
<tr>
<td>Clore &amp; Jeffery (1972)</td>
<td>College students</td>
<td>Experiential</td>
<td>College students travelled around campus in wheel chair</td>
<td>Improved attitudes towards disabled people</td>
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<td>Jacobs (1977)</td>
<td>Adolescents</td>
<td>Experiential</td>
<td>Students role-play adolescent interpersonal interactions</td>
<td>No changes in empathy measures</td>
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<td>Jazaieri et al. (2015)</td>
<td>Adults</td>
<td>Experiential</td>
<td>Participants attended classes on compassion-focused meditation and engaged in daily home meditation</td>
<td>Compassion training increased mindfulness and happiness, which was related to increased caring for others</td>
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<td>Klimecki et al. (2013)</td>
<td>Adults</td>
<td>Experiential</td>
<td>Attended 1-day course of loving kindness mediation</td>
<td>Increased positive affect in response to distress, and increased activity in brain regions supporting affiliation and positive affect</td>
</tr>
<tr>
<td>Shechtman &amp; Tanus (2006)</td>
<td>Arab students</td>
<td>Experiential</td>
<td>Multi-session intervention including reading a letter from a Jewish mother</td>
<td>Increased empathy and reduced hostility toward Israelis</td>
</tr>
<tr>
<td>Soble et al. (2011)</td>
<td>College students</td>
<td>Experiential</td>
<td>Video intervention documenting institutional racism</td>
<td>Increased empathy and racial awareness</td>
</tr>
<tr>
<td>Webster et al. (2005)</td>
<td>Sex offenders</td>
<td>Experiential</td>
<td>Sex offenders complete role-play paradigms</td>
<td>Improved recognition of consequences for victims</td>
</tr>
<tr>
<td>Wilkes et al. (2002)</td>
<td>Medical students</td>
<td>Experiential</td>
<td>Medical students admitted to stay overnight in hospital</td>
<td>Students endorse interest in improving hospital conditions</td>
</tr>
<tr>
<td>Weng et al. (2013)</td>
<td>Adults</td>
<td>Experiential</td>
<td>Participants listened to 30-minute audio recordings featuring compassion meditation</td>
<td>Compassion meditation increased altruistic behavior and activity in brain regions supporting social cognition and emotion regulation</td>
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(continued)
videos displayed the doctor and patient’s physiological responses (e.g., skin-conductance fluctuations) on a portion of the screen during the conversation, providing information about the ameliorative effects of sharing affect with patients. Consistent with the researchers’ expectations, the training improved doctors’ recognition of facial expressions and their evaluation scores on a patient satisfaction measure (Riess, Kelley, Bailey, Dunn, & Phillips, 2012).

In order to convey an empathic response, a perceiver must first recognize a target’s distress. Therefore, some expression-based interventions focus on enhancing a perceiver’s emotion-recognition ability. Such training techniques are often used among people who exhibit impaired empathic responding due to impaired ability to read others’ communicative gestures. People with autism, for example, struggle to understand others’ expressions and mental states. Through systematic training in expression identification, individuals with autism can improve their emotion-recognition abilities (e.g., Golan & Baron-Cohen, 2006). A similar emotion-recognition paradigm was implemented among aggressive adolescents. Adolescents with higher levels of callous/unemotional traits benefitted most from this emotion-recognition training, and displayed significant improvements in affective empathy following the intervention (Dadds, Cauchi, Wimalaweera, Hawes, & Brennan, 2012).

**Summary of Interventions**

Existing empathy interventions can be broadly categorized as enhancing the experience or the expression of empathy. Using a variety of techniques including role-play, perspective-taking, and information sharing, *experiential interventions* increase one’s internal feeling of empathy. *Expression interventions*, on the other hand, change a person’s external display of empathy by teaching perceivers to recognize and respond to targets’ distress. It should be noted that this characterization of existing work serves only to better categorize the most popular methods of existing studies; this is not an exhaustive review of all related work; therefore, this categorization functions only to orient the reader to important features of previous interventions.

**Accounting for Empathic Motives**

Existing interventions are effective in changing empathy; a recent review suggests that interventions can alter people’s capacity to feel empathy and their ability to show empathy, and can even elicit downstream effects of empathy like altruistic helping behavior (van Berkhout & Malouff, 2015). Given
their utility, one may wonder whether these interventions would be effective if applied to novel situations. The answer is probably “yes,” but only under specific conditions. These interventions are likely to work in situations where perceivers are able to empathize (i.e., they can recognize others’ emotions and have the means to respond accordingly) and are ready to empathize (there are no factors discouraging empathy for the target). But is this the case across all perceiver–target relationships? Unfortunately it is not; people frequently fail to empathize with particular targets not because they are unable to do so, but rather because they are unwilling to empathize (Zaki, 2014; Zaki & Cikara, 2015).

In particular, empathy—like many other psychological phenomena (Dweck & Leggett, 1988; Kahneman & Tversky, 1979; Kunda, 1990; Lewin, 1952)—reflects the interplay of approach motives, which drive people toward empathizing, and avoidance motives, which drive people away from empathizing. Avoidance motives include cases in which people expect empathy to be costly (Cameron & Payne, 2011; Pancer, McMullen, Kabatoff, Johnson, & Pond, 1979; Shaw et al., 1994) or painful (Davis et al., 1999; for an in-depth discussion of compassion avoidance motives, see chapter by Paul Gilbert and Jennier Mascaro in this handbook). People also experience empathic avoidance motives when empathy conflicts with their goals; for instance, during competition. To wit, a linebacker who feels the pain of the person he tackles would probably be worse at his job. Evidence suggests that people in such contexts avoid empathy, including under darker contexts, such as executioners downplaying or ignoring the suffering of death row inmates (Osofsky, Bandura, & Zimbardo, 2005).

Empathy-inducing techniques like perspective-taking can even backfire when applied in particular contexts. In competitive interactions, for example, perspective-taking manipulations increase the likelihood that one will behave selfishly (Epley, Caruson, & Bazerman, 2006). Perceiving distress in competitive interactions often elicits counter-empathic emotions like schadenfreude (Cikara & Fiske, 2011; Lanzetta & Englis, 1989; Yamada, Lamm, & Decety, 2011). Considering the mind of another person may be a “relational amplifier,” facilitating prosocial interactions in cooperative contexts but dishonesty or deceitfulness in competitive contexts (Pierce, Kilduff, Galinsky, & Sivanathan, 2013). Such empathic failures do not result from a lack of ability to empathize; rather, they reflect a lack of motivation to empathize. Such empathic failures are often the most pernicious (e.g., bullying, intergroup conflict) and are arguably the cases in which empathy is needed most.

What does this mean for existing interventions? Despite their success, effects of existing interventions may be unnecessarily constrained due to an incomplete depiction of forces impacting empathy. These studies and their findings imply a direct link between perceiving distress and responding empathically; empathy is “triggered” when a perceiver is able to detect someone else’s pain. But this theory does not account for the many cases where empathy breaks down for motivational reasons. An intervention that changes experience or expression of empathy while simultaneously accounting for empathic motives could be even more effective than changing experience and expression alone. By pairing existing techniques with complementary motive-based approaches, we are positioned to expand our scope of influence and correct multiple varieties of “empathy gaps,” including both ability-based and motive-based failures.

Social Psychology and Brief Interventions

Social psychology offers a theoretical foundation for developing motive-based empathy interventions. With an acute understanding of the system of forces governing certain actions, small motive adjustments can elicit big behavioral changes (Yeager & Walton, 2011).

Brief social-psychological interventions derive their success from disrupting cycles of behavior at crucial points. Consider an intervention designed to improve achievement in school: Teaching students that poor performance reflects a lack of effort (not a lack of ability) may encourage them to exert more effort on subsequent tasks, which in turn produces improvements in performance (Dweck & Leggett, 1988). Assuming that people act under the influence of interacting forces, strategically tweaking elements of these systems of motives produces enduring behavioral changes (Lewin, 1943). Brief interventions influence a person’s behavior over time, changing an individual and in turn changing their environment (Walton, 2014).

Social-psychological interventions could be adapted to build empathy in at least three ways: by changing views of the self, by changing perceived social norms, and by shifting people’s construal of particular empathy-evoking situations. Through targeting the motives that bear on empathy, interventionists may be able to preserve empathy in contexts where it is known to fail.
Self-Oriented Interventions

Work by Carol Dweck and colleagues illustrates the degree to which our beliefs influence our behavior. Dweck differentiated two types of mindsets, or beliefs about the nature of a phenomenon, which predict people’s behavior in challenging contexts. Individuals with fixed mindsets about intelligence believe that intelligence is a stable quantity that does not change, whereas individuals with growth mindsets about intelligence believe that intelligence can be developed with effort (Dweck & Leggett, 1988).

These implicit theories about the nature of psychological phenomena extend beyond the domain of intelligence and have implications for other areas of social cognition, including beliefs about personality and interpersonal functioning (Chiu & Dweck, 1997; Erdley, Cain, Loomis, Dumas-Hines, & Dweck, 1997). Interventions targeting beliefs about psychological phenomena have been tremendously effective in improving people’s academic performance (Blackwell, Trzesniewski, & Dweck, 2007), their resilience to academic failure (Wilson & Linville, 1982), and their behavior following social rejection (Yeager et al., 2011).

Drawing from these motive-based interventions, subsequent work has targeted people’s lay theories of empathy to shape their motives and behavior. In a 2014 study, Schumann and colleagues found growth mindsets about empathy (whether measured across people or induced experimentally) predicted greater empathic effort in challenging situations (e.g., when interacting with a target from a social out-group). Interventions seeking to improve empathic effort—especially in contexts when empathy can break down—could approach behavior change by targeting beliefs about empathy’s malleability (Schumann, Zaki, & Dweck, 2014).

Lay theories also predict people’s resilience in the face of failure. Returning to the example of intelligence, individuals with growth mindsets about intelligence are more likely to attribute failure to a lack of effort. They are often motivated to persevere after failure, applying greater effort and in turn developing intelligence. People with fixed mindsets about intelligence attribute failure to a lack of ability. Fixed mindsets about intelligence steer people away from contexts in which they expect to fail, since failure jeopardizes their views of their own intelligence (Elliott & Dweck, 1988; Hong, Dweck, Lin, & Wän, 1999).

Mindsets could similarly influence attributions of empathic failures. When people fail to empathize, they may conclude that they are unable to empathize or that they are not empathic people. Instead, teaching people that empathy failures can be overcome with increased effort (i.e., inducing a growth mindset about empathy) could make them resilient to empathic failures and encourage them to exert more effort empathizing in these contexts.

Interventions designed to teach people that empathy is malleable and can be developed can build their motivation to empathize, change their interpretation of empathic failure, and ultimately increase their willingness to connect to others, even when it is challenging.

Group-Based Interventions

Group dynamics shape empathic behavior. In-group members are often favored over out-group members, a phenomenon referred to as inter-group bias (Brewer, 1979; Tajfel, 1982). This propensity carries over to empathic behavior, and people generally show blunted affective responses to people from an out-group (Cikara, Bruneau, & Saxe, 2011). Intervention techniques that change perceptions of group boundaries may be useful in reducing group-based empathy biases. The Common Group Identity Model (Gaertner & Dovidio, 1977) suggests that the boundaries defining groups are flexible; extending a conception of an in-group to be more inclusive (e.g., Americans instead of New Yorkers) reduces inter-group tension.

Applications of this model highlight its potential to change inter-group relations. In a 2005 study of helping behavior, Levine and colleagues examined the malleability of in-group preference by changing people’s perceptions of group boundaries. When cues of in-group membership were narrow (based on shared support of one particular soccer team), participants were less likely to help a person wearing another team’s jersey (an out-group member). But by changing cues of in-group membership to be more inclusive (defining in-group membership as ‘soccer fans’ rather than ‘Manchester United fans’), the group-based difference is attenuated, and help is offered to those who were previously regarded as out-group members (Levine, Prosser, Evans, & Reicher, 2005).

Similarly, altering inter-group interactions can change perceptions of group boundaries and reduce inter-group bias. Introducing shared goals to groups in conflict reduces tension and increases positive inter-group interactions (Sherif, 1958). Subsequent studies have also ‘overridden’ existing group boundaries by offering salient cues of alternative group membership. Biased processing of racial out-group members’ faces, for example, is reduced...
by the introduction of shared group membership in a minimal groups paradigm (van Bavel, Packer, & Cunningham, 2008). If group-based behavior is determined by in-group boundaries, and such boundaries are flexible, then scientists may elicit motivational and behavioral changes in empathy by broadening people’s views of in-group membership.

In addition to changing the structure of a group to encourage empathy, changing a group’s values could similarly alter empathic behavior. A long tradition of research demonstrates that people willingly adjust their beliefs and behavior to match others around them (Asch, 1956; Sherif, 1936). This effect is amplified in group contexts; to preserve a sense of group membership and belongingness, people even endorse beliefs that they think their in-group holds (Prentice & Miller, 1993). Under the scrutiny of their in-group, people may be motivated to avoid empathy for out-group members if it means deviating from the perceived group norms.

Norms convey powerful messages about how group members typically think and behave (Cialdini, 2003; Sherif, 1936). People are sensitive to these messages and often act in ways consistent with apparent norms (Cialdini, Reno, & Kallgren, 1990). Given that group norms are so closely linked to group membership, shifting norms could be a useful avenue for changing individual members’ attitudes and values.

In instances of empathic failures resulting from inter-group tension, it may be especially important to understand the existing group norms, how they are perpetuated, and how they can be modified. Introducing norms at initial stages of group formation may be particularly fruitful. For example, if one wanted to increase empathy on a college campus, it would be wise to take new members (i.e., college freshman) and teach them that they are entering an environment where empathy is valued and regularly practiced in the community (Nook, Ong, Morelli, Mitchell, & Zaki, 2016; Tarrant, Dazeley, & Cottom, 2009).

Beliefs about the nature of groups and the people that compose them have tremendous implications for an individual’s behavior. Changing a group’s structure (by altering group boundaries) or shifting a group’s values (by adjusting salient norms) can produce long-term changes in people’s social functioning and empathic behavior.

**Situation-Based Interventions**

A third approach to intervention is changing people’s perception of empathy-inducing situations. Just as perceiver and target’s individual attributes shape empathy, characteristics of the contexts in which dyadic interactions occur are also deeply influential. Interventions should be sensitive to cues embedded in situations, and they could work to adjust situational signals to promote empathy. This could be achieved by shaping situations to feature cues illustrating the goal-relevance of empathy, perhaps highlighting how empathy (1) can help people feel good and (2) can help people satisfy the demands of their important social roles.

Emphasizing the personal benefits of empathy could encourage empathic engagement. Empathy changes as a function of people’s beliefs, and it often breaks down when a perceiver expects it to be painful or impose a monetary cost. Fortunately, these beliefs are amenable to change, and adjusting people’s perspective on the costs of empathy changes empathic behavior. In one study, informing participants that prosocial helping imposed only a low cost (i.e., helping the target would not be time-consuming) made them more likely to empathize with a person in need (Shaw et al., 1994).

Addressing people’s concerns about the affective costs of empathy (i.e., whether they’ll feel bad after empathizing) could produce a similar outcome. When people expect that empathy will be painful (imposing an “emotional cost”), they are more likely to avoid it (Davis et al., 1999). By shaping people’s expectations about the emotional outcomes of empathy, we may be able to encourage them to empathize even when they expect it to be painful.

Interventions could similarly highlight the affective benefits of empathy. Predictions of affective outcomes (like vicariously feeling another person’s happiness) powerfully influence behavior and can be harnessed for prosocial purposes; in one study, people’s expectations of positive emotions conferred by volunteering predicted their subsequent volunteering behavior (Barraza, 2011). One could similarly emphasize the benefits of empathy (like its positive influence on psychological and physical health) in creating an intervention to increase empathic engagement.

Finally, people may be more likely to empathize when they see its goal relevance. Showing people how empathy may facilitate their existing goals (for example, fulfilling the duties of their important roles) makes empathizing personally significant to them. Previous interventions have modified situations to signal task significance to increase certain behavior. In an intervention looking at the influence of task significance on performance, lifeguards who read stories about other lifeguards rescuing swimmers volunteered to work more hours and were
rated as more helpful by guests than lifeguards who read stories about how they could personally gain skills or knowledge from the job (Grant, 2008). In a similar study, doctors washed their hands more when reminded of the benefits hand-hygiene had for their patients (Grant & Hofmann, 2011).

In professions like these, where one’s identity is derived from relational connections to others people, highlighting the role-relevant aspects of a novel action encouraged participants to change their behavior. Tailoring experimental messages to emphasize aspects of the behavior that were consistent with the lifeguards’ and doctors’ identities produced more robust behavior change than emphasizing the personal benefits of the same behavior.

When empathy is relevant to one’s important roles and aspects of one’s identity, it may manifest more readily than it otherwise would have. For example, when gender value cues are made salient, women outperform men on tests of empathic accuracy. When the task was presented as relevant to their role as a female, the researchers suspected, women were more motivated to do well on the task and outperformed men in an effort to behave consistently with their roles as women (Klein & Hodges, 2001). Interventions that connect empathy to meaningful aspects of a person’s identity (like occupational or social roles) stand to produce enduring effects on a person’s empathic motivation.

Limitations

Despite the promise of this model for building empathy, there are limitations of a motive-based approach (and of empathy interventions more generally). Motive-based interventions are likely to fail in contexts where competing avoidance motives overpower approach motives. There are many situations in which an individual has the ability to empathize, but lacks the desire to empathize (e.g., when empathy is expected to be painful or costly, or during competitive or hostile interactions). In the face of these powerful motives to avoid empathy, interventions designed to bolster approach-motives are likely to fail (Prentice & Miller, 2013). In constructing a motive-based empathy intervention, it is therefore crucial to consider the entire range of motives influencing a perceiver-target. A wise researcher may recognize, for example, that a small reduction in avoidance motives could yield greater outcomes than a large increase in approach motives.

Furthermore, it is important to consider contexts in which any attempt to develop empathy (motive-based or otherwise) could potentially do more harm than good. Several studies explore the counter-intuitive antiscial effects of perspective-taking (for a review and theoretical exploration, see Vorauer, 2013). In some cases, perspective-taking can aggravate existing tensions between perceivers and targets (Paluck, 2007), or increase the likelihood that a perceiver will seek to harm a target (Okimoto & Wenzel, 2011). Of course, perspective-taking and subsequent behavior are influenced by context. For example, a study finding that perspective-taking increased negative attitudes toward an out-group emphasized that this was a feature of a power imbalance between the two groups (Bruneau & Saxe, 2012). Given that the effects of perspective-taking are highly sensitive to perceiver-target dynamics and the larger context, it is important for researchers to consider these factors in constructing interventions.

Conclusion

Psychologists have generated a number of interventions that successfully build empathy. In addition to their promise in addressing empathic “failures,” these interventions highlight the malleability of empathy overall. The lion’s share of existing interventions focuses on building empathic skills through exposing people to empathy-inducing cues, and teaching them to take others’ perspective, or to better express empathy. Although these approaches have been successful, interventions could also benefit from adopting a complementary, motive-based approach that targets the underlying forces governing empathy. By altering empathic motives through changing perceptions of the self or views of a group, or interpretation of situational cues, new types of interventions stand to make even more impactful change on people’s ability and tendency to consider, share, and care about each other’s experiences.

Notes

1. It’s possible that developing empathy expression simultaneously changes people’s experience of empathy. In one intervention, nurses trained in empathic responding (e.g., listening and adding to a patient’s statement) later reported feeling greater empathy for their patients (Herbek & Yammarino, 1990). Consistent with literature on power-embodiment (Carney, Cuddy, & Yap, 2010), perhaps adopting an empathic disposition changes people’s expression of empathy and their internal experience of empathy.

2. In this section, we organize social psychological interventions into three categories: Self-Oriented Interventions, Group-Based Interventions, and Situation-Based Interventions. This taxonomy is used to highlight similarities and differences between existing social-psychological interventions and the motives they alter. However, many social-psychological interventions may stretch across these categories and could
appeal to multiple motives simultaneously. This categorization should therefore be regarded as an organizational heuristic, not an exhaustive characterization of all motives addressed by these interventions.

References


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