

# How can behavioral science be used to improve the assessment of risk and safety?

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In 2017, child welfare agencies across the country received 4.1 million referrals of alleged child maltreatment, 58 percent of which were subsequently screened in for an investigation or assessment, representing an increase of almost 15 percent compared to 2012.<sup>1</sup> The sheer volume of referrals and their steady increase over time put enormous pressure on the system, threatening its ability to deliver positive outcomes. Even with child maltreatment [prevention efforts](#) underway to reduce entries into the system, sharpening staff ability to consistently and accurately assess safety and risk at all stages is critical to ensuring that issues are correctly identified, scarce resources are allocated to the children and families with the highest needs, and those not needing intervention experience minimal disruption to their lives.

Assessment processes involve myriad decision points, from whether to accept a referral for investigation, to the order in which home visits are scheduled. Although there are many different approaches that exist across the country, these decision points and their associated challenges are common. This brief explores the benefits behaviorally designed processes can offer at three key decision points on assessment: 1) the hotline, where reports of maltreatment

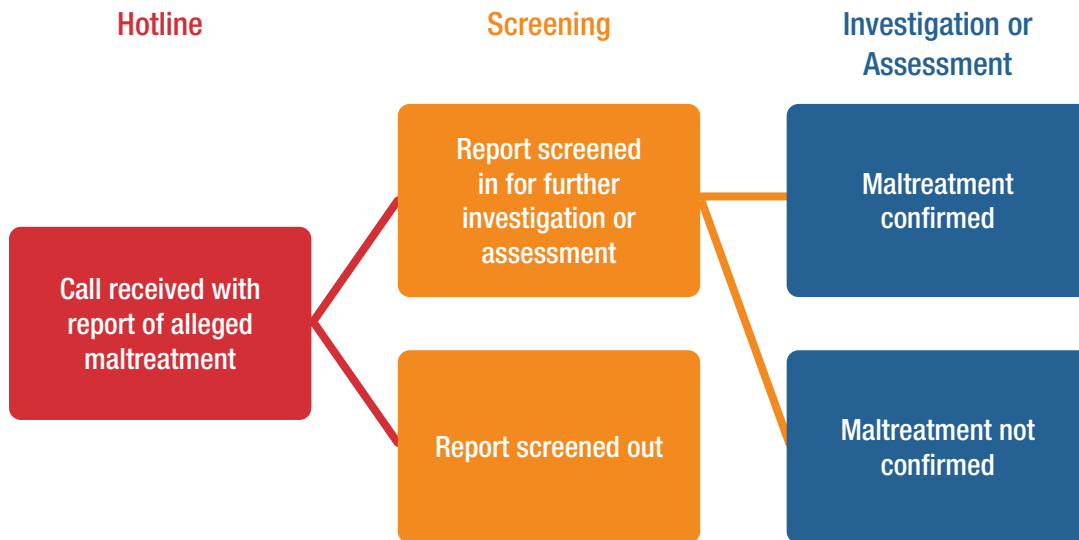


ISSUE BRIEF

# TRANSFORMING CHILD WELFARE SYSTEMS

are initially received; 2) the screening decision, where a determination is made about whether further investigation or assessment is necessary; and 3) the investigation or assessment process, which seeks to determine whether the report of maltreatment is substantiated.

### Front End Decision Points



### Safety first

Practitioners face many barriers/challenges to making the right decision for each child every day, such as processes that promote risk aversion, to administrative costs associated with decisions that might allow a child to stay at home, or overly specified legal definitions of maltreatment. **When thinking about redesigning each decision point in the system, understanding the effects of those changes on effective assessment is critical.** There are, of course, already excellent approaches that address these challenges. For example, child welfare agencies are finding that [Safety Organized Practice](#) can drive dramatic improvements, providing staff at all levels with the tools, structure, and team support they need to stay focused on what is best for the child. Such an approach highly complements behavioral design principles and could perhaps be strengthened further by the concepts described throughout this brief.

**Safety Organized Practice (SOP)** emphasizes the importance of teamwork and child-centricity in child welfare. A core belief of SOP is that all families have strengths. SOP aims to build relationships between the child welfare agency and the family, strengthening this partnership through involving information support networks of friends and family members. The goal is to work together to find solutions that ensure safety, permanency, and well-being for children. SOP is informed by an integration of evidence-based practices and approaches.







One approach is comparative judgment.<sup>8</sup> To understand this, now consider a different way of assessing color comparisons. Which of the colors in the pair below is darker?



**How about this pair?**



It is much easier to make a judgment when there is a single point of comparison. A larger number of rapid comparative judgments like this can quickly flush out the objective rank order of colors to reproduce the scale. In one child welfare agency, the night supervisor for the hotline had a secondary task to review every case that came into the hotline over the course of the day to verify recommendations. In these instances, a comparative judgment approach that presents cases side-by-side for comparison may be more effective at establishing the right priority order than sequential review. Of course, there may be logistical challenges in implementing such an approach and it may not be a fit in all settings. At a minimum, ensuring that supervisors or those conducting secondary reviews of cases review in a different order than the initial worker may help break biases in assessment resulting from ordering effects. For example, if a caseworker deemed a borderline case as low risk because the previous case was especially high risk, then a supervisor is less likely to repeat the mistake if review of those same set of cases is done in a different order.

### Strategies that impact investigations and assessments







# LESSONS FROM OTHER FIELDS: How can behavioral science be used to improve the assessment of risk and safety?

- 1 U.S. Department of Health & Human Services, Administration for Children and Families, Administration on Children, Youth and Families, Children's Bureau. (2018). Child Maltreatment 2017. Available from <https://www.acf.hhs.gov/sites/default/files/cb/cm2017.pdf>
- 2 <http://www.behaviouralinsights.co.uk/wp-content/uploads/2016/09/BIT-Update-Report-2015-16.pdf>
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- 5 Described at <https://medium.com/finding-needles-in-haystacks/hiring-honeybees-and-human-decision-making-33f3a9d76763>
- 6 Inspired by <https://www.nomoremarking.com/demo1>
- 7 Initially documented: Rowe, P. M. (1967). Order effects in assessment decisions. *Journal of Applied Psychology*, 51(2), 170.
- 8 Jones, I., Swan, M., & Pollitt, A. (2015). Assessing mathematical problem solving using comparative judgement. *International Journal of Science and Mathematics Education*, 13(1), 151-177.
- 9 Haynes, A. B., Weiser, T. G., Berry, W. R., Lipsitz, S. R., Breizat, A. H. S., Dellinger, E. P., ... & Merry, A. F. (2009). A surgical safety checklist to reduce morbidity and mortality in a global population. *New England Journal of Medicine*, 360(5), 491-499.
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*This article is the second in a **four-part series on decision-making and behavioral science** in child welfare. The series looks at lessons from other fields and considers their relevance at critical steps in the child welfare system.*

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