

Study 1

Thematic Coding Methodology used to Distill Stereotypes Identified from Free-Responses

Consistent with established methodology for thematic coding of qualitative data,^{1, 2, 3, 4} a multistep approach was used to increase the rigor of our analysis.

1. All free responses were de-identified such that coders would not know whether the response was generated for Black or Latinx youth.
2. The first three authors reviewed all free responses to identify repeated cited stereotypes (e.g., aggression/anger, academic failure, lack of motivation, delinquency/rule breaking, “broken family”, limited English proficiency) and developed a codebook.
3. The 2nd and 3rd author along with another research assistant independently coded 10% of all free responses using the first draft of the codebook, reached consensus through joint discussion, and revised the codebook to improve specificity of each identified stereotype.
4. There 3 coders (same as in step 3) coded all free-responses to determine which stereotype(s) were identified in each free-response (with 97% agreement) and jointly discussed disagreements until consensus was reached for all codes.
5. Final codes or stereotype identified for each free response was then reconnected to the original free response items to reveal the group for which the stereotype was cited.

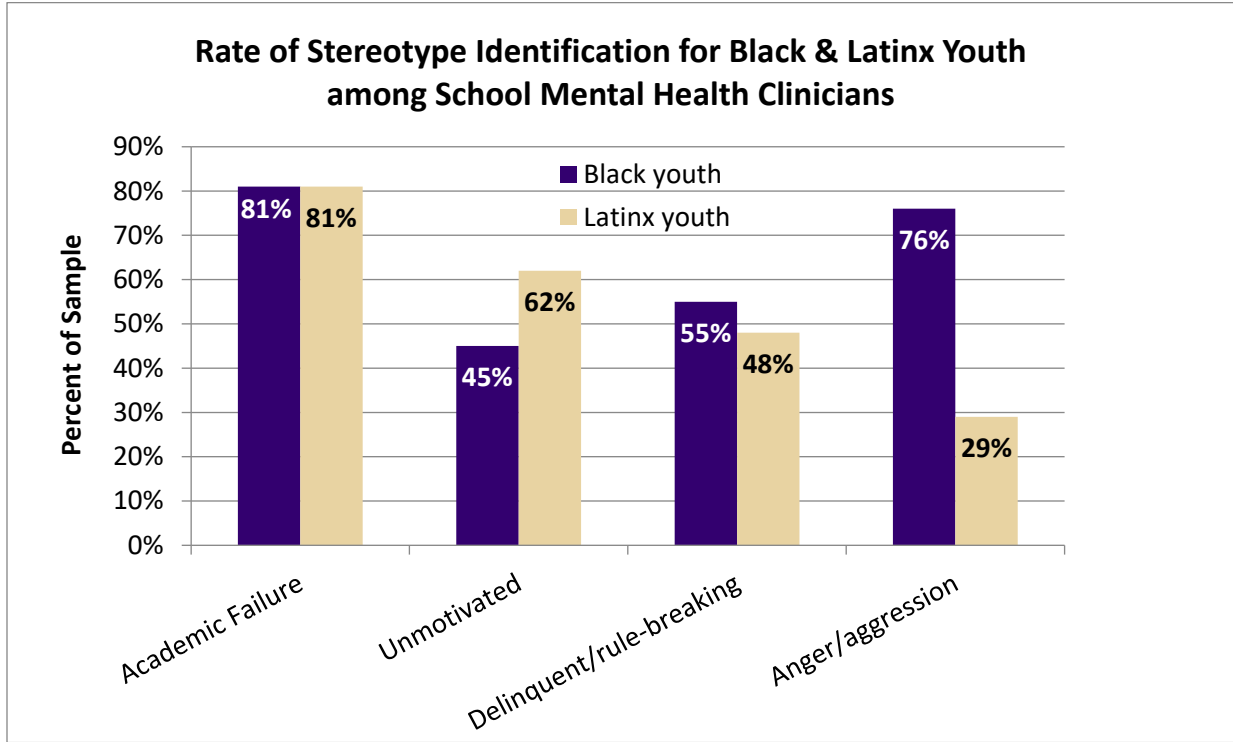
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Summary Graph for Frequency of Most Commonly Identified Stereotypes



Chi-Square Analysis Results

| | Black youth | Latinx youth | χ^2 (42, 1) | <i>p</i> |
|--------------------------|-------------|--------------|------------------|----------|
| Academic Failure | 81% | 81% | 0.00 | 1.00 |
| Unmotivated | 45% | 62% | 2.41 | 0.12 |
| Delinquent/rule-breaking | 55% | 48% | 0.41 | 0.52 |
| Anger/aggression | 76% | 29% | 18.38 | <.001 |

Study 2

Implicit Association Tests (IAT) Development Process

The original Black/White race IAT⁵ and more recently developed Latinx IATs^{6,7} use photos of adult faces. For the current study, we developed IATs with Black or Latinx youth faces representing the full developmental school age range (K – 12th grade)—the population served by school mental health clinicians. Photos of elementary school age children (first 2 in each group below) were selected from a published young children’s IAT.⁸ Photos representing middle and high school age youth were selected from another validated source of youth faces.⁹ Youth faces stimuli used in the current IATs were selected from among those that were reliably identified as one specific racial/ethnic group (i.e., white, black, or Latinx) and matched on perceived likeability and perceived age (as rated by youths ages 10 to 23). IAT attribute words were selected following established methods of IAT development,¹⁰ paying careful attention to balancing meaning, size, and reading level of attribute words describing opposing constructs (e.g., obedient vs. defiant). All IATs were programmed using the IATGen Shiny App¹¹ and administered via Qualtrics—a secure online data collection platform.

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Implicit Association Tests Stimuli and Attributes

Attributes

| | |
|-------------------------|---|
| Good | Excellent, Wonderful, Good, Positive, Happy, Nice |
| Bad | Terrible, Awful, Bad, Negative, Sad, Mean |
| Academic Success | Ambitious, Dedicated, Studious, Motivated, Achieving, A grade |
| Academic Failure | Delinquent, Dropout, Careless, Unmotivated, Failing, F grade |
| Obedient | Calm, Gentle, Cooperative, Controlled, Polite, Well-behaved |
| Defiant | Angry, Aggressive, Oppositional, Explosive, Rude, Disruptive |

Youth Faces Stimuli

Photos below are presented in ascending order by perceived age.

Black Youth Faces*



*While most adult IAT race stimuli consist of faces with neutral expressions, there are very few previously studied youth face stimuli with neutral expressions, especially for non-white youth.

Latinx Youth Faces*



White Youth Faces*



IAT Psychometrics

| IATs | Error Rate | Reliability | D-Score | SD |
|--|------------|-------------|---------|-----|
| | N = 58 | | n = 42* | |
| Black-White / Good-Bad | 6.10% | .91 | .42 | .46 |
| Black-White / Defiant-Obedient | 4.93% | .83 | .35 | .44 |
| Latinx-White / Good-Bad | 5.56% | .71 | .31 | .39 |
| Latinx-White / Academic Failure-Academic Success | 6.13% | .82 | .30 | .42 |

* Excluding participants who identified as Black/African American or Latinx/Hispanic; D-Score = IAT difference score, SD = Standard Deviation

IAT Correlations

| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|-------|-------|-------|-------------------|-------|
| 1. Black-White / Good-Bad | 1 | .64** | .54** | .48** | -.27 [†] | -.16 |
| 2. Black-White / Defiant-Obedient | | 1 | .39* | .67** | -.26 [†] | -.22 |
| 3. Latinx-White / Good-Bad | | | 1 | .36* | -.25 | -.37* |
| 4. Latinx-White / Academic Failure-Success | | | | 1 | -.31* | -.26 |
| 5. Implicit Bias Awareness – Black Youth | | | | | 1 | .69** |
| 6. Implicit Bias Awareness – Latinx Youth | | | | | | 1 |

* $p < .05$, ** $p < .01$, *** $p < .001$, [†] $p < .1$