Big-Five Personality, Risky Sexual Behavior, and Pornography Consumption
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Abstract
Engagement in risky sexual behavior poses health risks for individuals and society. This study investigated the relationship between the big-five personality traits, risky sexual behavior, and pornography consumption. An online survey was completed by undergraduate students recruited from psychology courses (N = 337). Results show a modest positive correlation between extraversion and risky sexual behaviors. Understanding these relationships may support sexual health interventions and education.

Introduction
Researchers have found it relevant to examine the relationship between the Big-Five Personality Traits and risky sexual behaviors, such as intercourse with multiple partners, unprotected intercourse, use of alcohol, and non-discriminating sex partner recruiting (Miller, Lyman, Zimmerman, Logan, Leukfeld, & Clayton, 2004).

The big-five personality model consists of five different personality traits: extraversion (E), neuroticism (N), openness to experience (O), agreeableness (A), and conscientiousness (C).

Studies have shown that, more than other personality traits, extraversion correlates positively with engagement in risky sexual behaviors (Moyano & Sierra, 2013).

Wright and Randall (2012) found that different types of risky sexual behaviors were correlated positively with Internet pornography consumption.

Hypotheses
1. Extraversion, openness and neuroticism will correlate positively with risky sexual behavior.
2. Agreeableness and conscientiousness will correlate negatively with risky sexual behavior.
3. Pornography usage will correlate positively with risky sexual behaviors.
4. Extraversion, openness and neuroticism will correlate positively with pornography consumption.
5. Agreeableness and conscientiousness will correlate negatively with pornography consumption.

Method
Participants were 337 undergraduate students.
Participants recruited from psychology classes were offered extra credit as compensation; participants recruited via Facebook posts received no compensation.
Data were collected online with a Qua1trics.com survey using the Mini IPIP Personality Measure (Donnellan, Oswald, Baird, and Lucas, 2006), an extended extraversion section of the 50-Item IPIP (Goldberg, Johnson, Eber, Hogan, Ashton, Cloninger, & Gough, 2006), The Sexual Experience and Risk Factors in Sexual Behavior Measure (D’Abreu & Krahé, 2014), and the Pornography Acceptance and Use Measure (D’Abreu & Krahé, 2014).

Results
66% of participants reported they were sexually active, while 34% reported that they were not.
A modest positive correlation was observed between extraversion and risky sexual behaviors.
A correlational analysis yielded a significant but modest positive correlation between risky sexual behaviors and pornography consumption.

Discussion
Sexual activity is a social behavior. Therefore, it was no surprise that risky sexual behavior correlated with extraversion.
Risky sexual behavior and pornography consumption may have correlated with openness because more open individuals may be willing to experiment sexually and replicate behaviors seen in pornography.
Further understanding of these relationships may lead to better targeting of education about STD transmission and unplanned pregnancies.

Results (continued)
- There was a modest positive correlation between openness and pornography consumption.
- Pornography consumption and conscientiousness correlated negatively, to a modest degree.
- Pornography consumption by males (M = ???) was higher than the rate of pornography consumption by females (M = 15.5; t = -5.805, p < .001).

Table 1
Alpha Coefficients and Correlations of Big-Five Personality Traits With Sexual Behavior and Pornography Consumption

<table>
<thead>
<tr>
<th></th>
<th>E</th>
<th>A</th>
<th>C</th>
<th>N</th>
<th>O</th>
<th>Porn</th>
</tr>
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<tbody>
<tr>
<td>Alpha</td>
<td>.86</td>
<td>.68</td>
<td>.74</td>
<td>.65</td>
<td>.71</td>
<td>.88</td>
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<tr>
<td>Risky sex</td>
<td>.23**</td>
<td>.08</td>
<td>.07</td>
<td>.02</td>
<td>.01</td>
<td>.29**</td>
</tr>
<tr>
<td>First intercourse</td>
<td>.04</td>
<td>.17**</td>
<td>.02</td>
<td>.02</td>
<td>.04</td>
<td>.02</td>
</tr>
<tr>
<td>Coital partners</td>
<td>.25**</td>
<td>.05</td>
<td>.02</td>
<td>.08</td>
<td>.18*</td>
<td>.18**</td>
</tr>
<tr>
<td>Porn consumption</td>
<td>.05</td>
<td>.03</td>
<td>.23**</td>
<td>.05</td>
<td>.08</td>
<td>.26**</td>
</tr>
</tbody>
</table>

Note. Ns for correlations range from ??? to ???; *p < .05, **p < .01