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"Identifying Skeletal Trauma Markers Associated With Intimate Partner Violence"

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"Identifying Skeletal Trauma Markers Associated with Intimate Partner Violence" Haley K. Omeasoo, B.A. Forensic Anthropology Department of Anthropology, The University of Montana

Introduction

- ✤ Intimate Partner Violence (IPV) is an issue that has been around for a very long time and needs to be put in the spotlight.
- According to the National Institute of Justice Research Report (2016), more than half of American Indian/Alaskan Native women (55.5%) have experienced violence by intimate partners in their lifetime and are 1.7x more likely than white women to have experienced violence in the past year.
- ✤ According to Adserias-Garriga (2019) & Keith Biddle (2019), maxillo-facial fractures seemed to correlate the most with IPV situations.



Research Questions:

- What is IPV, and how is it identified on the skeleton?
- Which trauma markers can we group to correlate the individual to an IPV situation?

Hypotheses/Test Expectations:

- 1. I expect to find that facial fractures, specifically those of the zygomaticomaxillary complex (ZMC), will highly correlate with IPV situations. My reason for expecting that the ZMC fracture will be the most common is because of the expected place that a person might punch another to the cheek.
- I expect to see that more <u>Native American</u> individuals and Women of Color (WOC) in the age range of <u>20-30 years old</u> will have a higher frequency of these IPV skeletal trauma markers than males and those of European descent.



Methodology



Results

| | Со |
|---|------------------------------------|
| Facial fracture trauma area, the body. Nasal fracture fractures, we locations. | es we as of es, fo ere th |
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| Acknow | |
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- trauma. Forensic science international, 299, 80–88.
- 11399.
- 3. UNODC, Global Study on Homicide 2019 (Vienna, 2019)



nclusion

ere the most common pposed to other areas of

ollowed by the ZMC e most common fracture

ghest Frequency:

cestral Group → European

 $x \rightarrow Male$

Je Range → 21-30 years



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ledgements

References

Adserias-Garriga J. (2019). A review of forensic analysis of dental and maxillofacial skeletal 2. Biddle, Keith, (2019). "Sexual Dimorphism in Skeletal Trauma Associated with Intimate Partner Violence (IPV)" Graduate Student Theses, Dissertations, & Professional Papers.