

## DEVELOPING AND EVALUATING TOOLS TO ASSESS THE IMPACT OF CHIMPANZEE SANCTUARIES VIA A UNIQUE ZOO-SANCTUARY PARTNERSHIP

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Sanctuaries are crucial to the survival and welfare of chimpanzees (*Pan troglodytes*). They also play an important role in educating the public about chimpanzee behavior and conservation. However, as many sanctuaries lack the capacity to collect long-term data, there is no standardized protocol for evaluating these aims. To address this, the Lincoln Park Zoo, USA, has partnered with Chimp Haven, Inc., USA. Chimp Haven houses nearly 200 chimpanzees in several enclosure types including traditional indoor-outdoor runs (~20m<sup>2</sup> in area), open-top corrals (~300m<sup>2</sup>), and large forested habitats (up to 24,000m<sup>2</sup>). By leveraging the expertise from both institutions we will evaluate the aims of the sanctuary considering both the behavior and welfare of the chimpanzees and the impact of the sanctuary's public education program. To address the first aim, we will use non-invasive focal observations to evaluate whether and how different housing types affect the chimpanzees' activity budgets, enclosure usage, and social interactions. To inquire about the success of the second aim, we will evaluate education programs at Chimp Haven during which the public can view the chimpanzees. We will investigate whether public viewing opportunities affect the chimpanzees' behavior through the use of observational data collected on the chimpanzees. Simultaneously, we will evaluate the learning outcomes and attitudes of visitors at Chimp Haven, using questionnaires and observations of visitor behavior. Findings from this research will inform decisions about the care and management of captive chimpanzees. This research will also provide information about how sanctuaries can best engage and educate the public.