

Restricting Data's Use: A Spectrum of Concerns in Need of Flexible Approaches

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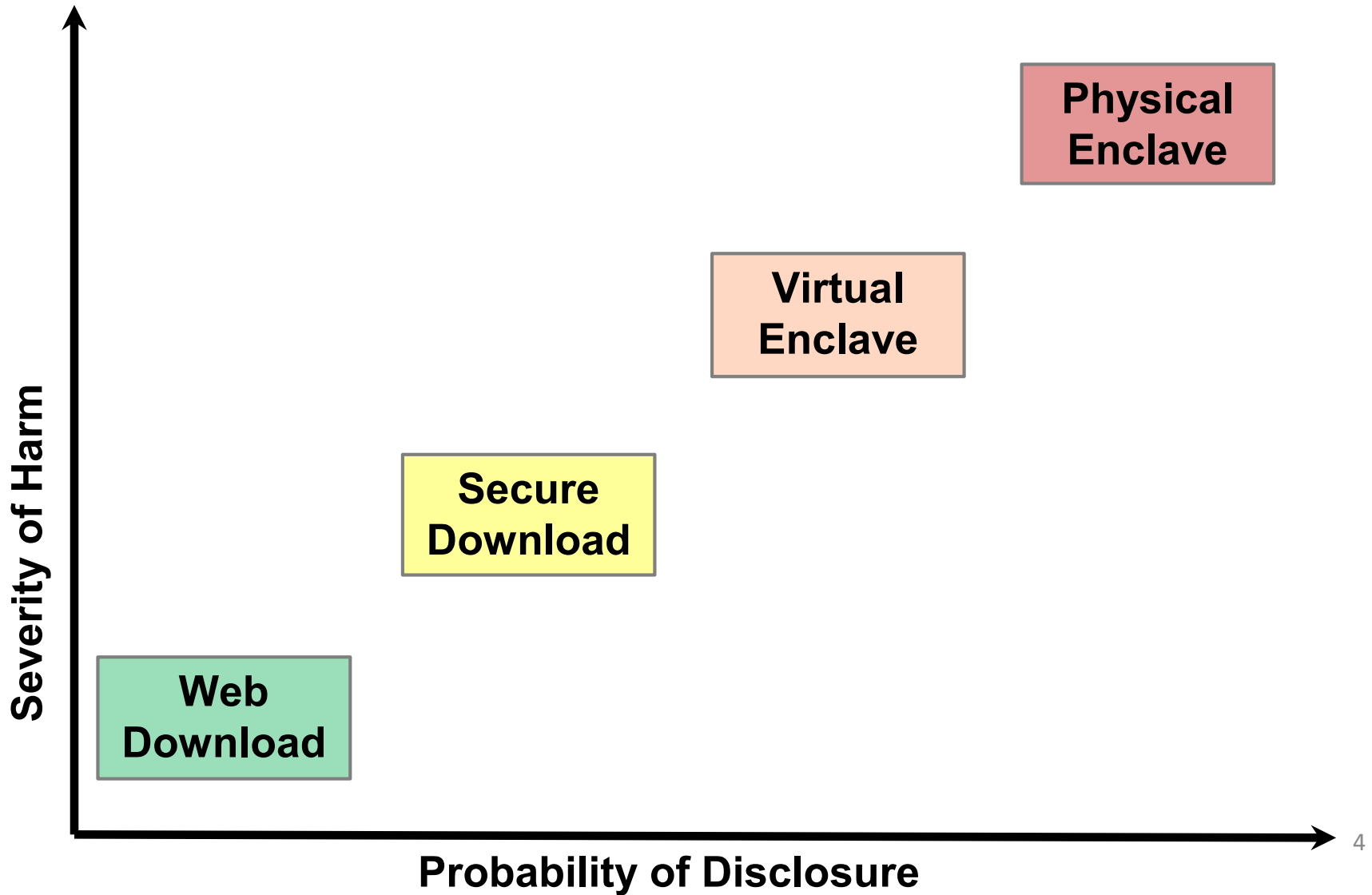
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Presentation Outline

- ICPSR's options for restricting access to data
- Three case examples demonstrating nuance in restriction needs
- System design implications

ICPSR's Restricted Access Options



Three Case Examples



Head Start Family &
Child Experiences
Survey (FACES)



Head Start Impact Study



**American Indian and
Alaska Native**

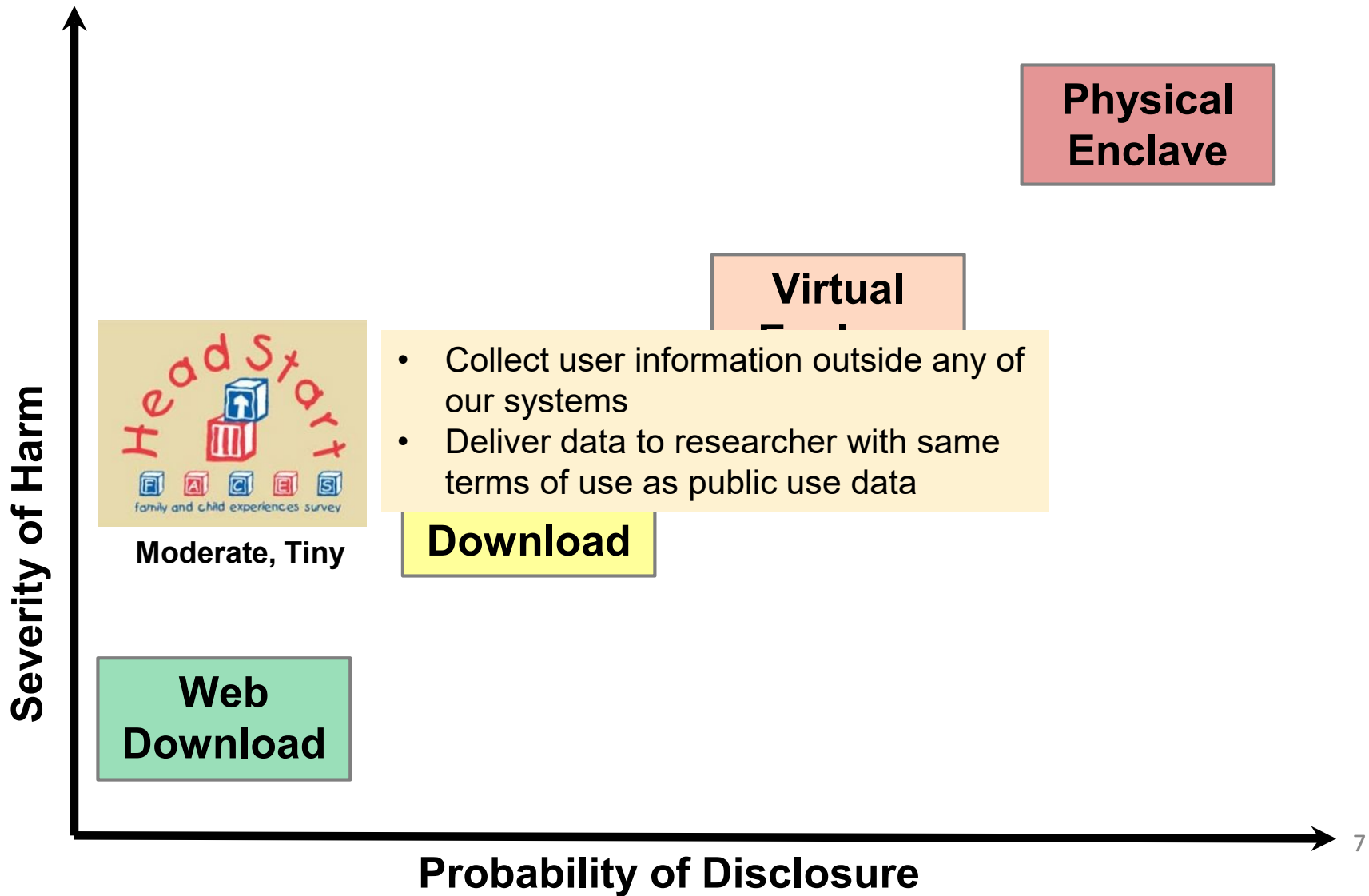
American Indian/Alaska
Native Head Start Family &
Child Experiences Survey
(AI/AN FACES)

Head Start Family & Child Experiences Survey



- Nationally representative sample of HS programs and 2000+ children/families
- Probability of disclosure = tiny
- Severity of harm = moderate
- Sponsor wants ICPSR to track who is using the data, have documented purpose of research, have recourse for dealing with misuse

FACES Mapped to Harm-Risk Profile



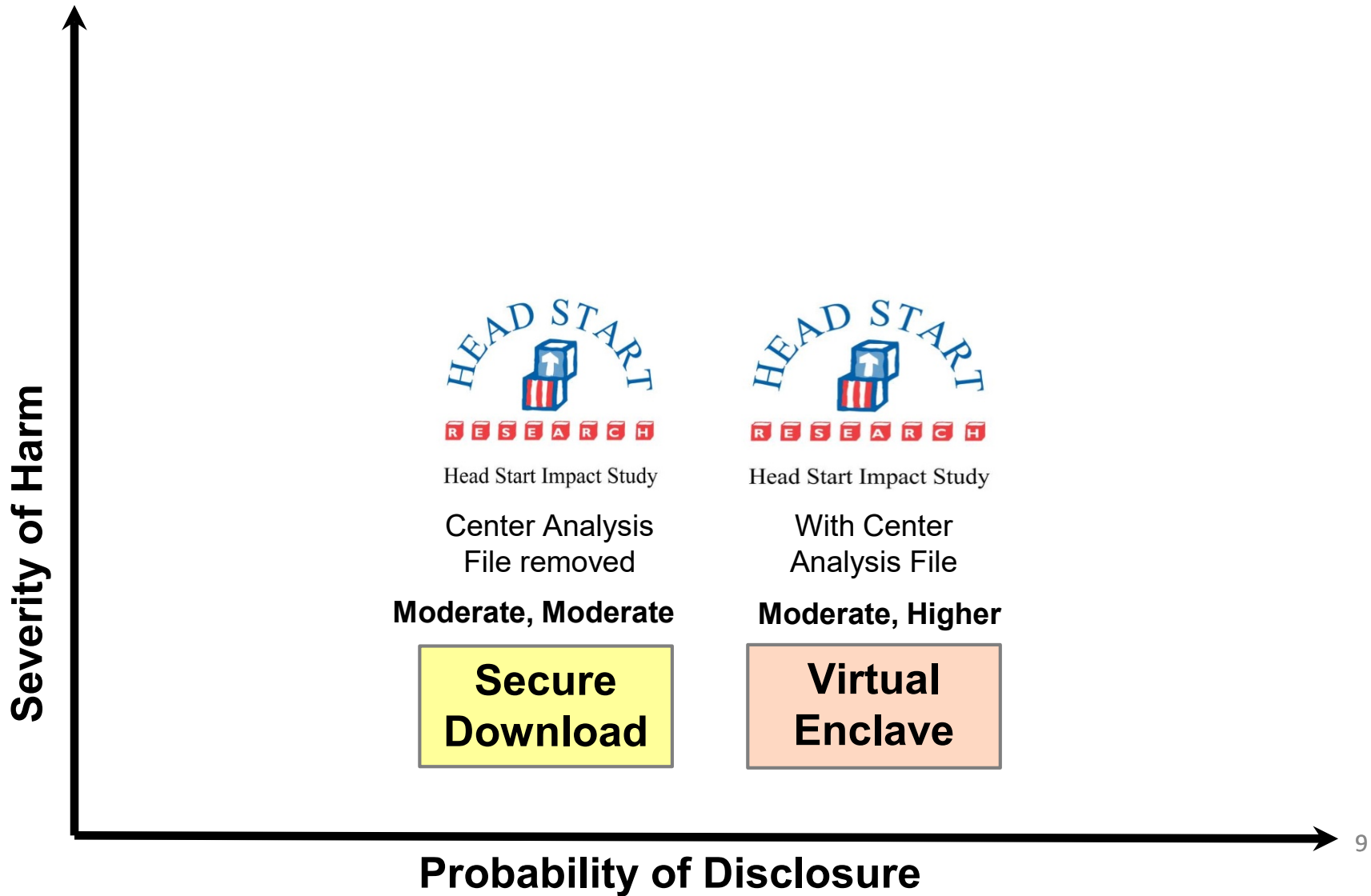
Head Start Impact Study



Head Start Impact Study

- Nationally representative sample of HS programs and 4500+children
- Probability of disclosure = Moderate (direct IDs removed)
- Severity of harm = Moderate
- The Center Analysis File (1 file in the study) has a different risk profile than the others (disclosure of centers more likely)

HSIS Mapped to Harm-Risk Profile



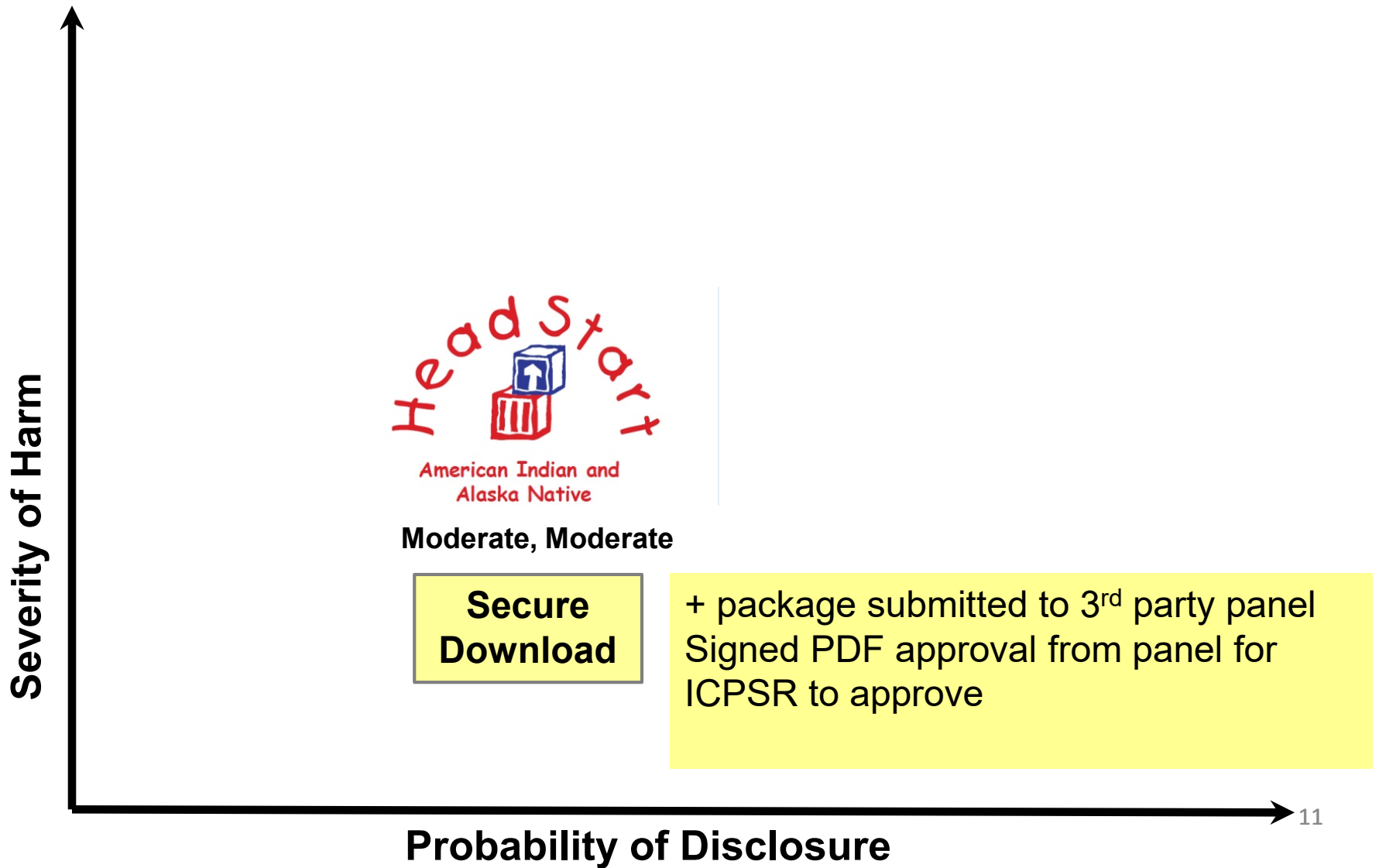
AI/AN Head Start Family & Child Experiences Survey



American Indian and
Alaska Native

- First national study of AI/AN HS children/families
n=1000+
- Probability of disclosure = Moderate (direct IDs removed)
- Severity of harm = moderate
- Need to protect against reidentification inside AI/AN community; fulfill sharing requirement to include external review panel w/ AI/AN reps

AI/AN FACES Mapped to Harm-Risk Profile



Summary of Restriction Needs Revealed

- Options to collect, share/report out on user data (e.g. institution, research question, contact info)
- Setting restrictions at the file level
- Third party sign-off, application review

Technology Implications

- Good news: ICPSR is designing a new restricted use application system to:
 - Streamline the application and access processes;
 - Send data applicants to one system
- Apply restrictions and associated requirements at the file level
- Integrate terms that inform researchers if their information might be shared as part of their use of data
- Rely on a researcher credentialing system