

# Symposium: Examining Pedophilia and Hebephilia

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ATSA CONFERENCE

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1:30-3:00PM

# Outline

- ▶ Brief introduction to assessment at CAMH
- ▶ Development and Validation of the Revised Screening Scale for Pedophilic Interests
- ▶ Questions
- ▶ Is Hebephilic Sexual Interest a Criminogenic Need?: A Large Scale Recidivism Study
- ▶ Questions

# Acknowledgements

- ▶ Association for the Treatment of Sexual Abusers Pre-Doctoral Research Grant
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- ▶ Doctoral Dissertation Co-supervisors & committee
- ▶ RA Kylie Reale
- ▶ Clinicians at the Sexual Behaviours Clinic



# Introduction to CAMH SBC Assessment



# CAMH: Sexual Behaviours Clinic (SBC)

- ▶ Provided interdisciplinary assessment and treatment to those with sexual behaviour problems
- ▶ Heterogeneous sample due to referral source:
  - ▶ Probation and Parole
  - ▶ Children's Aid Society
  - ▶ Legal representation
  - ▶ Medical
  - ▶ Institutions

# Phallometric Testing

- ▶ Psychophysiological technique for assessing erotic interests
- ▶ Blood volume monitored during presentation of a standardized set of laboratory stimuli depicting a variety of potentially erotic activities or objects.
- ▶ Examinee's penile blood volume increases are taken as an index of his relative attraction to the different classes of stimuli

# Measurement of Penile Tumescence

- ▶ Circumference (mercury-in-rubber strain gauge)
- ▶ Volume (true plethysmography)
  - ▶ Used at CAMH
  - ▶ Not commercially available
  - ▶ About 10,000 patients assessed at CAMH since 1968

# Stimulus Modalities and Materials

- ▶ No universal standard
- ▶ Depends on parameter assessed
- ▶ Still photographs
- ▶ Pre-recorded audio narratives
- ▶ Videotapes or DVDs
- ▶ Combination of modalities



# Apparatus for Volume Measurement



# Cuff





# Inflated Cuff



# Cylinder Over Cuff



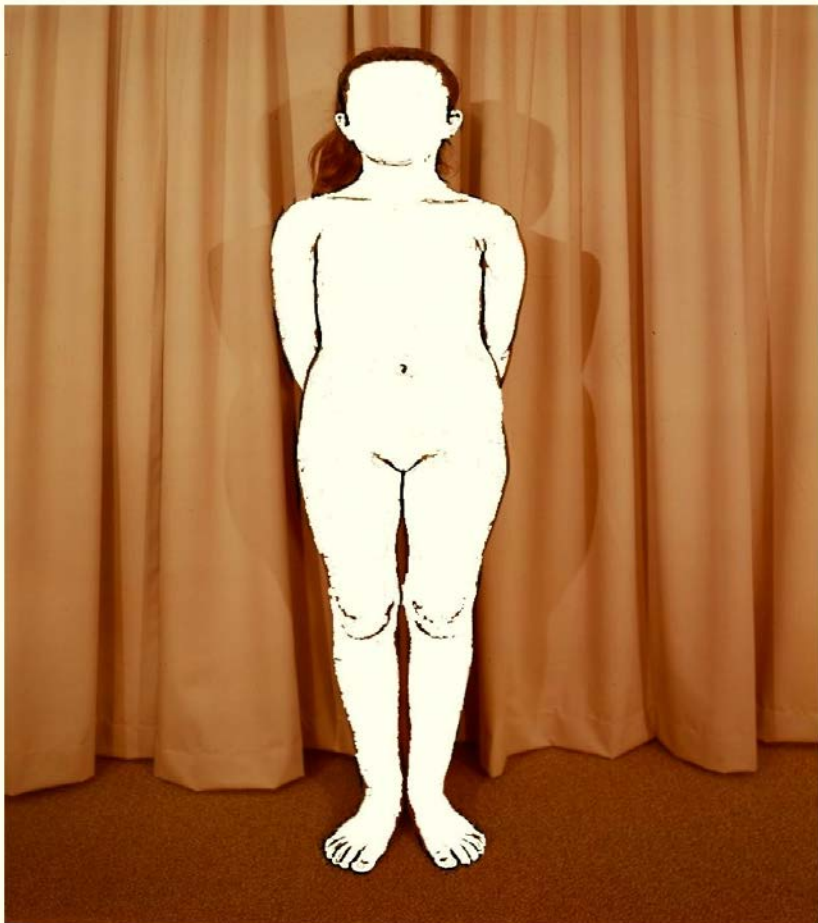


# The Stimuli

- ▶ Audiotaped narratives accompanied by slides
- ▶ Seven stimulus categories:
  - ▶ Adult women
  - ▶ Pubescent girls
  - ▶ Prepubescent girls
  - ▶ Adult men
  - ▶ Pubescent boys
  - ▶ Prepubescent boys
  - ▶ Neutral stimuli



# The Stimuli



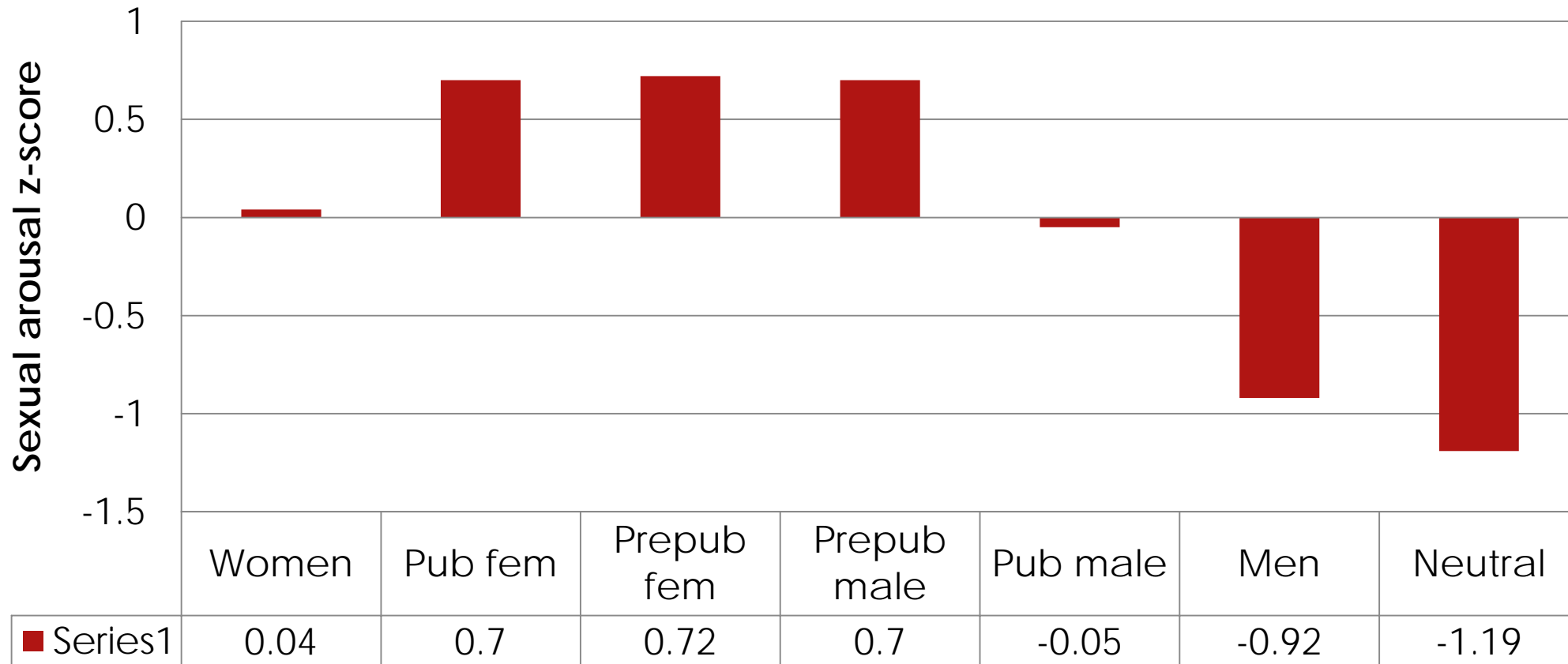
## Audiotaped narrative

“You are watching a late movie on TV with your neighbours’ 12-year-old daughter. You have your arm around her shoulders, and your fingers brush against her chest. You realize that her breasts have begun to develop....”

# The Stimuli



# Interpreting Phallometric Responses



# Interpreting Phallometric Responses

- ▶ Relative assessment consistent with DSM nosology
  - ▶ Continuous versus cut-off scores
- ▶ For our purposes:
  - ▶ Pedophilia Index: Max response to prepubescent children – max response to adults
  - ▶ Hebephilia index: Max response to pubescent children – max response to adults

# Discriminant Validity (Blanchard et al., 2001)

- ▶ Accuracy of assessment
- ▶ *Sensitivity*—percentage of pedophilic men who are correctly diagnosed as pedophilic
- ▶ *Specificity*—percentage of nonpedophilic men who are correctly diagnosed as nonpedophilic
- ▶ Clinical challenge of nonadmitters



# Discriminant Validity

		<u>Reality</u>	
		Pedophile	Gynephile
Test Result	Pedophile	n = 36 True Positives	n = 1 False Positives
	Gynephile	n = 23 False Negatives	n = 26 True Negatives
		$\Sigma = 59$	$\Sigma = 27$
		<i>Sensitivity</i> = $36/(36+23)$ = 61%	<i>Specificity</i> = $26/(26+1)$ = 96%

# SBC Phallometric Interview

- ▶ Admitted sexual preferences
  - ▶ Follow stimulus categories
- ▶ Victim information and admitted victim information
- ▶ Review of official file information (e.g., criminal records)

# Development and Validation of the Revised Screening Scale for Pedophilic Interests

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# Introduction: Why a SSPI-2?

- ▶ Assessment of pedophilic interest
- ▶ SSPI(Seto & Lalumière, 2001)
- ▶ Why do we need a revision?
  - ▶ Child pornography as an indicator of pedophilia (Seto et al., 2006)
- ▶ Purpose: Examine the inclusion of CP to the SSPI
  - ▶ Sample does not overlap with original sample
  - ▶ New and improved phallometric assessment (Lykins et al., 2010)

# Hypotheses

- ▶ H1: All five items would correlate with phallometrically assessed arousal to prepubescent children
- ▶ H2: The fifth item CP would contribute additional unique variance in its association with phallometrically assessed arousal to prepubescent children
- ▶ H3: Five item proxy scale would perform significantly better than the four-item original scale



# Method

- ▶ N= 2,464:
  - ▶ 166(7%) non-offenders
  - ▶ 249 (10%) sex offenders against adults (victim 17+)
  - ▶ 149 (6%) sex offenders against teens (victims 15 or 16)
  - ▶ **1900 (77%) sex offenders against children under age 15**
- ▶ 45% referred by probation parole, 27% by a correctional institution, 16% referred by a lawyer, 12% were self referred

# Measures

- ▶ Pedophilia Index ( $M = -0.36$ ,  $SD = 0.93$ )
- ▶ SSPI-2: Items Scored as present or absent
  - ▶ Any male victim under age 15 (30%)
  - ▶ Any extrafamilial child victim under age 15 (80%)
  - ▶ Any young victim under age 12 (73%)
  - ▶ More than one child victim under age 15 (51%)
  - ▶ Child pornography (10%)

# Development Sample

- ▶ SSPI-2 & pedophilia index:  $r(948) = .27, p < .001$
- ▶ Does CP account for additional variance in the prediction of pedophilia?

	B(SE)	95% CI for B
Step 1 Original SSPI	.13(.02)***	[.10, .16]
Step 2: SSPI	.12(.02)***	[.09, .15]
CP	.68(.10)***	[.48, .87]

SSPI-2 Score	Mean Pedophilia Index	Cut-off = 0	Cut-off = 0.25
0	-0.96	3%	3%
1	-0.56	23%	18%
2	-0.45	31%	23%
3	0.15	46%	45%
4	-0.67	21%	14%
5	-0.06	46%	37%
6	0.58	78%	66%
0	-0.96	3%	3%
1	-0.65	19%	14%
2	-0.49	29%	21%
3	-0.20	39%	32%
4	0.06	54%	43%
5	0.76	79%	73%

# Development Sample: SSPI Versus SSPI-2

	Cut-off 0	Cut-off .25	Admitted Interest
SSPI	.64***	.63***	.73***
SSPI-2	.68***	.68***	.78***



# Validation Sample: Summary of Results

- ▶ SSPI-2 & pedophilia index are correlated
- ▶ CP accounts for additional variance in its association with pedophilia
- ▶ High scores on the SSPI-2 associated with greater number of men classified as pedophilia
- ▶ SSPI-2 outperforms the SSPI in its predictive validity of the pedophilia index and predictive validity

# Discussion

- ▶ Child pornography adds to the prediction of pedophilia
- ▶ SSPI versus SSPI-2

Limitations	Future Research Directions
Undisclosed victims	Correlation of SSPI-2 with other measures of pedophilic interest
Nature of CP	Replication in independent samples
Exclusion of other measures of pedophilia	SSPI-2 & sexual recidivism

# Questions?

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# Is Hebephilia a Criminogenic Need?: A Large Scale Recidivism Study

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# What is Hebephilia?

## Tanner stages

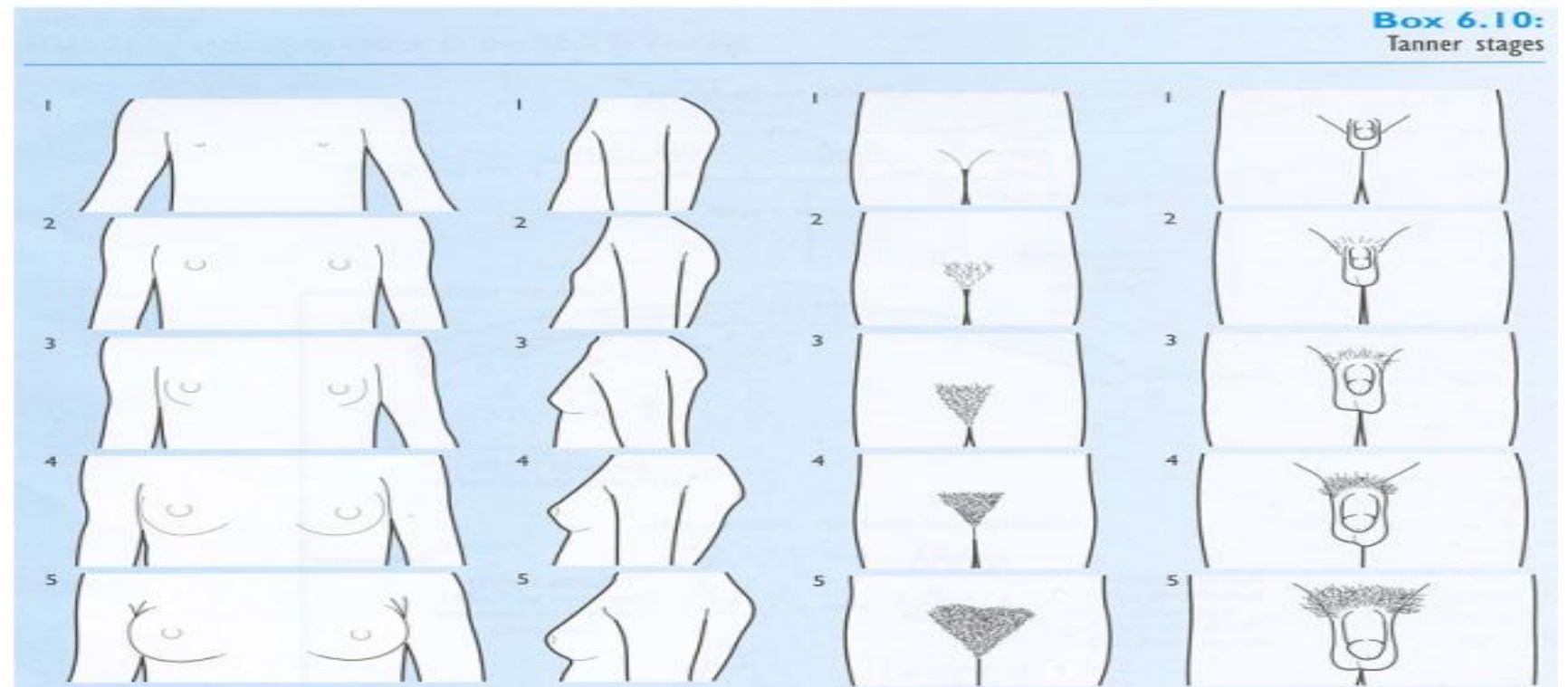
Pedophilia

Hebephilia

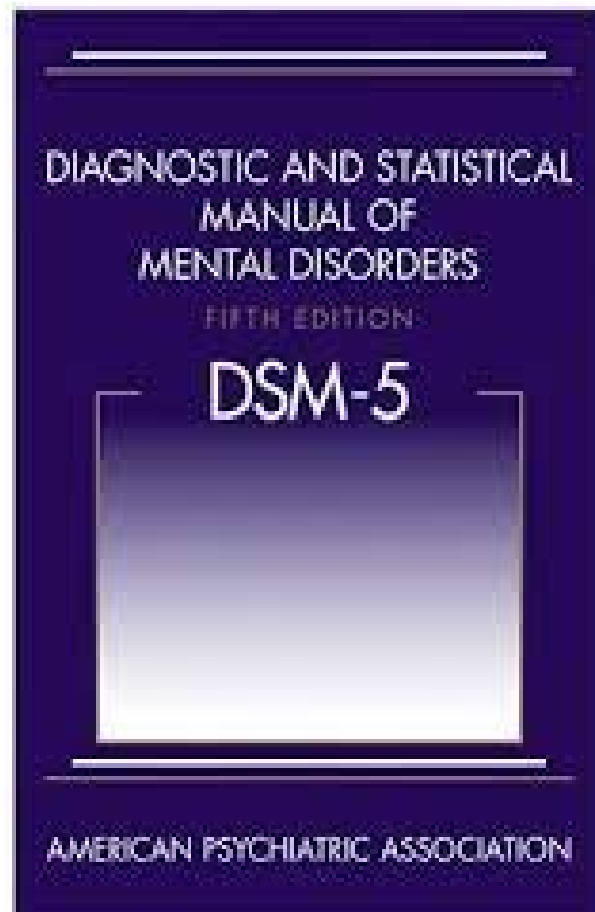
Hebephilia

Ephebophilia

Teleiophilia



# Why Study Hebephilia?



# Establishing the Predictive Validity of Hebephilia

- ▶ Sexual deviancy is a strong predictor of recidivism ( $d = .30$ ; Hanson & Motron-Bourgon, 2005)
  - ▶ Sexual interest in children as measured by phallometry ( $d = .32$ ; Hanson & Bussiere, 1998)
  - ▶ Two studies have found arousal to pubescent children also related to recidivism (e.g., Canales et al., 2009)
- ▶ Purpose: Is hebephilia associated with sexual recidivism using volumetric phallometry?

# Hypotheses

- ▶ Both pedophilia and hebephilia are predictive of sexual recidivism
- ▶ Pedophilia and hebephilia are predictive of sexual recidivism when taking into account total street time (opportunity to reoffend)

# Methodology

- ▶ 844 assessed between 1995-2006
- ▶ Recidivism information from national database until 09/13
- ▶ Recidivism defined as conviction/charge in the following categories:
  - ▶ Sexual contact
  - ▶ Sexual non-contact
  - ▶ Total sexual (contact + non-contact)
  - ▶ Violent recidivism (violent only + sexual contact)



# Procedure

- ▶ Developed coding manual and trained RA: Static-99R, recidivism, street time (opportunity to reoffend)
  - ▶ Two coders with acceptable inter-rater reliability
- ▶ End of follow-up was:
  - ▶ Date records received if there was no recidivism
  - ▶ Date of death if no recidivism
  - ▶ Date of first reoffence

# Sample Information

Sample Information	N (%) OR Average(SD)
Age at assessment	39.83(12.90)
Mean Pedophilia Index	-0.45(.92)
Mean Hebephilia Index	-0.09(.82)
Child victim under age 15	700(83%)
Average Static-99R Score	1.96(2.44)
Average Follow-up Time	10 years

# Recidivism Information

Type of Recidivism	N (%)
Sexual Contact	93(11%)
Sexual Non-Contact	36(4%)
Sexual Total	115(14%)
Violent	183(22%)

# Sample for Analyses

- ▶ To be included in the analyses:
  - ▶ At least one child victim <14 (9%)
  - ▶ Excluded self-report offenders (5%)
- ▶ After exclusion n=656
  - ▶ Age at assessment= 41.06 (SD=13.01)
  - ▶ S99R: 1.74(SD=2.41)
  - ▶ Pedophilia index= -0.26(SD=0.91) & hebephilia index= -0.02(SD=0.90)
  - ▶ Total follow-up 10 years

# Intercorrelations

	Pedophilia Index	Hebephilia Index
Pedophilia Index	-	
Hebephilia index	.82***	-
Sexual contact	.02	-.02
Sexual non-contact	.06	.07
Total Sexual	.05	.01
Violent	-.05	-.04



# Do Pedophilia and Hebephilia Predict Recidivism?

	Pedophilia Index	Hebephilia Index
Sexual Contact	.51	.48
Sexual Non-Contact	.59	.61+
Total Sexual	.54	.51
Violent	.47	.47

# Does Hebephilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	.02(.16)	1.02[0.75, 1.39]
Sexual Non-Contact Recidivism	<b>.64(.27)*</b>	<b>1.89[1.12, 3.20]</b>
Total Sexual Recidivism	.14(.14)	1.15[0.87, 1.52]
Violent Recidivism	-.10(.11)	0.91[0.73, 1.13]

# Does Pedophilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	.13(.15)	1.14[0.88, 1.40]
Sexual Non-Contact Recidivism	.49(.22)*	1.63[1.05, 2.53]
Total Sexual Recidivism	.24(.13)+	1.27[0.99, 1.63]
Violent Recidivism	-.05(.10)	.96[0.78, 1.16]

# Discussion

- ▶ Pedophilia and hebephilia on their own predict sexual non-contact recidivism when controlling for street time
- ▶ Implications for risk assessment:
  - ▶ Results are preliminary
  - ▶ Factors to consider
    - ▶ Nature of the sample (i.e., non-contact offenders)
    - ▶ Inclusion of assault stimuli
    - ▶ Level of management



# Questions?

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# Results by Male Gender Interest

	M Pedophilia Index	M Hebephilia Index
Sexual Contact	.53	.48
Sexual Non-Contact	.51	.47
Total Sexual	.52	.47
Violent	.53	.50

# Does M Hebephilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	-.08(.20)	.93[0.63, 1.38]
Sexual Non-Contact Recidivism	-.08(.32)	0.80[.49, 1.74]
Total Sexual Recidivism	-.13(.18)	0.88[.62, 1.26]
Violent Recidivism	.01(.15)	1.01[0.76, 1.34]

# Does M Pedophilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	.21(.18)	1.24[0.87, 1.76]
Sexual Non-Contact Recidivism	.09(.29)	1.10[.62, 1.3]
Total Sexual Recidivism	.15(.17)	1.16[0.85, 1.62]
Violent Recidivism	.19(.13)	1.21(.94, 1.56]

# Results by Female Gender Interest

	F Pedophilia Index	F Hebeophilia Index
Sexual Contact	.48	.48
Sexual Non-Contact	.61+	.61+
Total Sexual	.52	.51
Violent	.46	.46

# Does F Hebephilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	-.03(.15)	0.97[0.73, 1.30]
Sexual Non-Contact Recidivism	.62(.26)*	1.85[1.11, 3.09]
Total Sexual Recidivism	.08(14)	1.08[0.82, 1.42]
Violent Recidivism	-.13(.11)	0.88[0.72, 1.09]



# Does F Pedophilia Predict Recidivism when Controlling for Street Time?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	-.04(.09)	0.96[0.75, 1.24]
Sexual Non-Contact Recidivism	.52(.22)*	1.69[1.10, 2.57]
Total Sexual Recidivism	.10(.12)	1.11[0.88, 1.40]
Violent Recidivism	-.13(.10)	0.73[0.73, 106]

# Do Pedophilia and Hebephilia Predict Recidivism Excluding OI <2?

	Pedophilia Index	Hebephilia Index
Sexual Contact	.48	.46
Sexual Non-Contact	.57	.56
Total Sexual	.51	.49
Violent	.43	.44

# Does Hebephilia Predict Recidivism when Controlling for Street Time Excluding OI <2?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	.02(.16)	1.02[0.75, 1.39]
Sexual Non-Contact Recidivism	<b>.56(.27)*</b>	<b>1.76[1.03, 2.99]</b>
Total Sexual Recidivism	.12(.15)	1.13[0.84, 1.51]
Violent Recidivism	-.10(.11)	0.90[0.72, 1.12]

# Does Pedophilia Predict Recidivism when Controlling for Street Time Excluding OI <2?

	Beta (SE B)	Hazard Ratio [95%CI]
Sexual Contact Recidivism	.13(.14)	1.14[0.87, 1.59]
Sexual Non-Contact Recidivism	.47(.22)*	1.60[1.03, 2.48]
Total Sexual Recidivism	.24(.13)+	1.27[0.98, 1.63]
Violent Recidivism	-.06(.10)	0.95[0.78, 1.16]