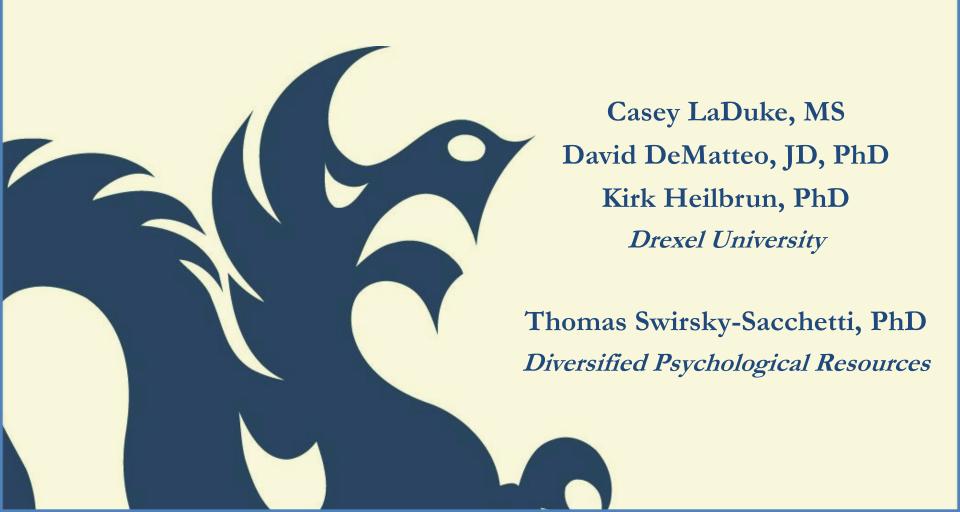
Forensic neuropsychology:

A national survey of practitioner training and experience



What is forensic neuropsychology?

- Definition
- Rapid development
 - Civil versus criminal
- Next steps
 - Legal questions
 - Training
 - Practice and challenges

Method

- Electronic survey
 - 500 NAN members
 - 672 AACN members
- Two sections
 - Demographics and neuropsychological training
 - Forensic experience, training, and practice
- Since 2005

Sample

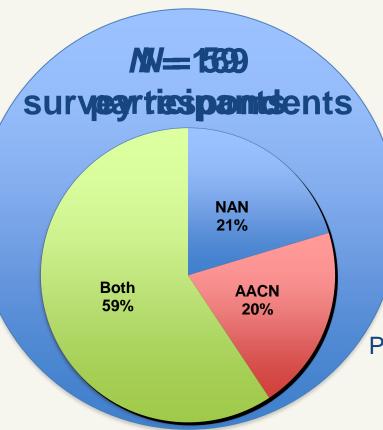
Age

Range = 33-71 years $M_{years} = 53.53$ SD = 9.41

Area of practice*

34 states and DC

Urban: 37 (63%) Suburban: 28 (47%) Rural: 11 (19%)



Race/ethnicity*

Caucasian: 57 (97%)
Hispanic: 2 (3%)
Other: 2 (3%)

Practice setting*

Private practice: 37 (63%)

Medical: 26 (44%) Academic: 13 (22%)

Other: 6 (10%)

Forensic experience

Forensic caseload

Range = 5-100% $M_{percent}$ = 43.50 SD = 30.75

Civil

forensic caseload

Range = 1-100% $M_{percent}$ = 51.25 SD = 37.27

Forensic experience

Range = 2-35 years $M_{years} = 18.24$ SD = 9.31

Criminal experience

N = 38 (66%)

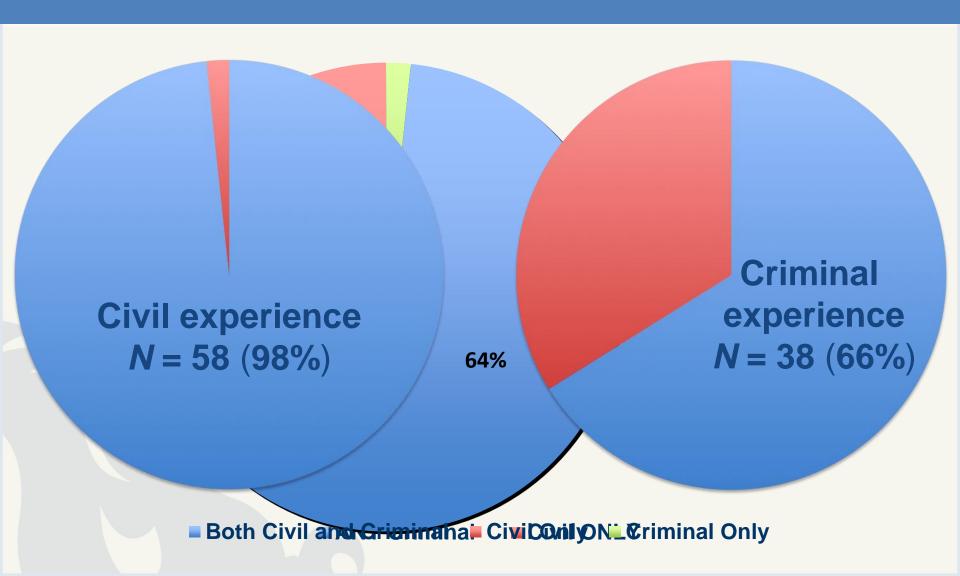
<u>Criminal</u> forensic caseload

Range = 1-100% $M_{percent}$ = 24.39 SD = 31.32

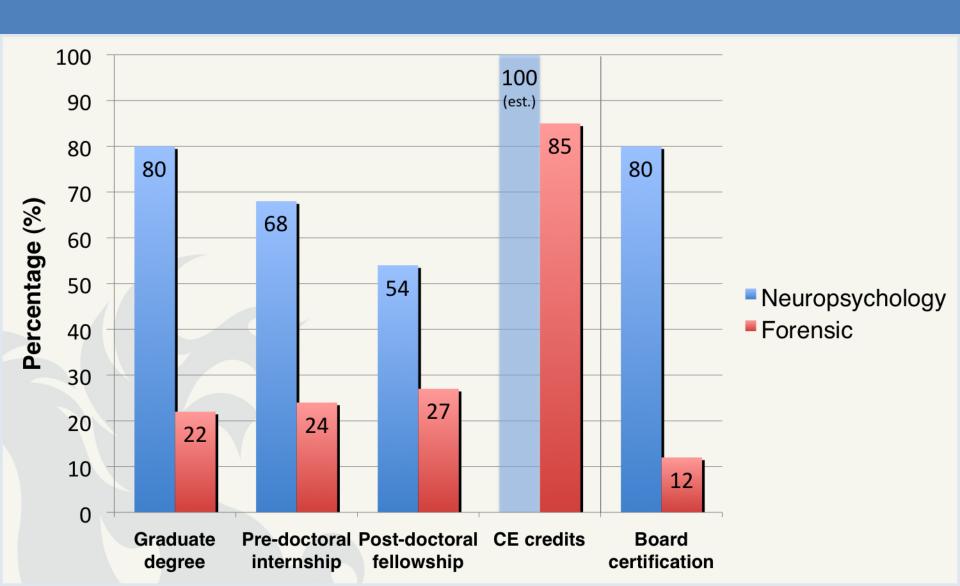
Forensic experience

	Forensic context	Prevalence (%)	Range	M	SD
Personal injury	Civil	56 (97)	1-100%	55.21	36.06
Civil competency (overall)	Civil	42 (71)	1-100%	12.51	21.05
Criminal competency (overall)	Criminal	25 (42)	1-100%	37.37	38.45
Sentencing	Criminal	19 (32)	1-100%	27.83	36.60
Insanity	Criminal	14 (24)	2-75%	16.15	20.68
Child custody	Civil	4 (7)	1-6%	4.00	2.65

Forensic experience groups



Training



Differences in training

Neuropsychology BC > Forensic BC

	ANY Criminal*	Civil ONLY
Neuropsychology	26	15
Forensic	6	0

 χ^2 (1, n = 32) = 12.50, p < .001, ϕ = 0.63 (large effect size)

Differences in training

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	ANY Criminal	Civil ONLY
Neuropsychology	23.18 (8.27)	23.07 (8.69)
Forensic	19.94 (9.97)	18.70 (8.62)

- New Your it (49) \neq 3.24590, \neq .0003012 (\Rightarrow rolation) (for exercise) ct size)
- Existing 1021 Note: Y(563) 9) ± 95 , 325 = $p47000^2$ < $r0 \pm 0$. (500n (2011 get exist exist exist exist) ze

Jurisdictional differences

ANY Criminal: Frye > Daubert

Frye	Daubert
22	10

$$\chi^2$$
 (1, $n = 32$) = 4.50, $p = .034$, $\phi = 0.38$ (medium effect size)

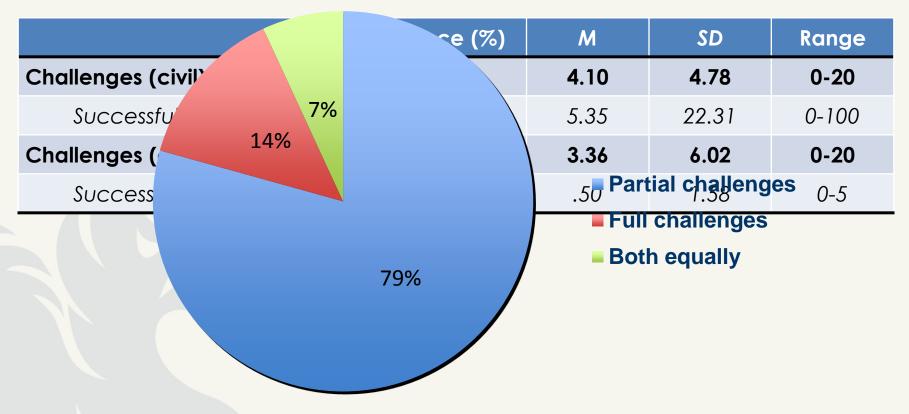
Civil ONLY: Frye ≈ Daubert

Frye	Daubert
10	7

$$\chi^2$$
 (1, $n = 17$) = .53, $p = .467$, $\phi = 0.18$ (small effect size)

Challenges to admissibility

29 participants were aware of challenges to admissibility



 χ^2 (2, n = 29) = 27.79, p < .001, $\phi = 0.98$ (large effect size)

Implications

Experience

- Variability in experience
- Civil vs. Criminal
- Common practice?

Training

- Variability training, but some trends
- Neuropsychological vs. forensic training
- No differences between civil vs. criminal experience
- Board certification

Practice

- Jurisdictional differences for criminal forensic experience
- Challenges to admissibility

Limitations

- Sample size
 - Response rate
 - 5% cutoff
- Generalizability
 - Board certification
 - Racial/ethnic minorities
 - Access issues
- Validity
 - Limited guidance around appropriate questions

Conclusions

- Dramatic growth, and lingering questions
- Importance of common practices and training on admissibility
- Future directions
 - Larger, more representative surveys
 - Development of practice guidelines (and practice standards)
 - Training opportunities
 - Credentialing controversy
 - Jurisdictional differences
 - Incremental utility of neuropsychology in specific legal questions

For more information...

LaDuke, C., DeMatteo, D., Heilbrun, K., & Swirsky-Sacchetti, T. (*in press*). Clinical neuropsychology in forensic contexts: Practitioners' experience, training, and practice. *Professional Psychology: Research and Practice*.