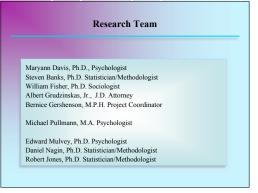
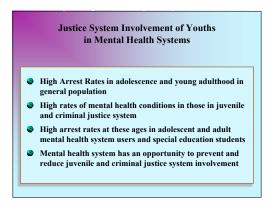
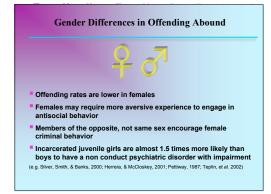
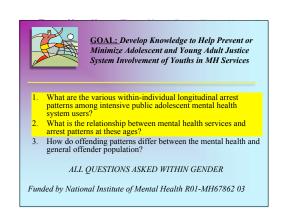
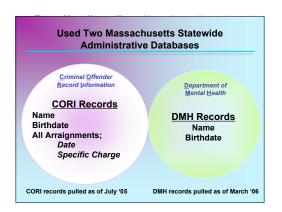
The Massachusetts Transition Age Youth Arrest Study MATAYA Maryann Davis, Ph.D. Principal Investigator Center for Mental Health Services Research Department of Psychiatry University of Massachusetts Medical School

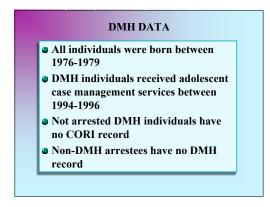


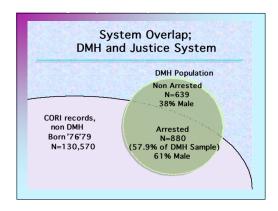


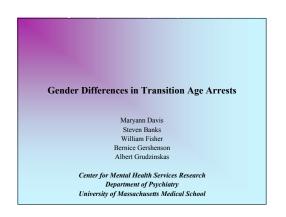


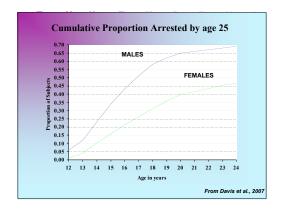


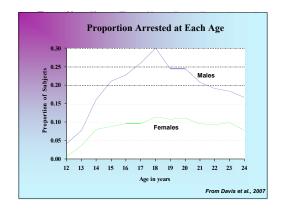


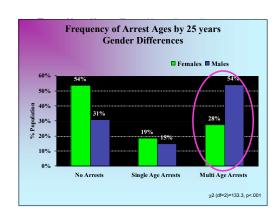


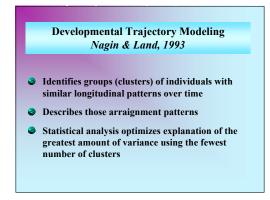


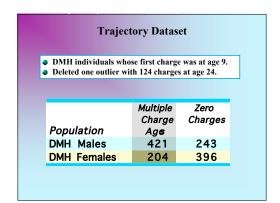


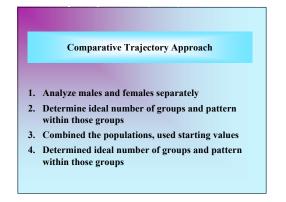


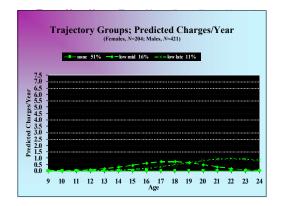


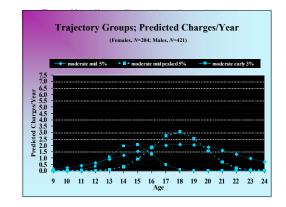


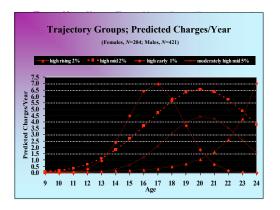


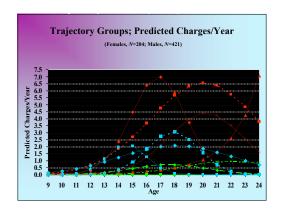


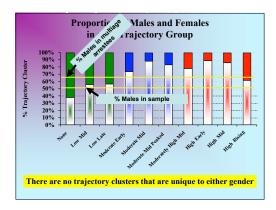












Conclusions

- The biggest differences between DMH males and females are in the proportion never arrested and with multiple arrest years
- Males tend to be overrepresented in moderate and high frequency groups
- Different trajectories have different prevention timing implications; take advantage of their presence in treatment and prevent future offending
- Several clusters had peaks and high charge rates at ages 18 and older; adult mental health systems need to help
- Future question; how to identify high risk before it happens

The Relationship between Transition-Aged Mental Health Services and the Risk of Adult Arrest Michael Pullmann Vanderbilt University Maryann Davis, Ph.D. University of Massachusetts Medical School

Criminological Theory

- · Aberrant behavior is socially determined
- Criminology is the study of particular aberrant behavior in violation of law
- Laws are codified proscriptions sanctioning particular aberrant behavior
- Integrative models of delinquency propose a variety of factors that contribute to longitudinal criminal behavior, including biological (individual), social, and structural factors
 - Even the best integrative models predict only 25-49% of the variance in long-term offence patterns¹

Mental Health and Criminal Justice

- The Mental Health and Criminal Justice systems are structures designed to address aberrant behavior
- High rate of youth with MH problems in the justice system²⁻⁴
 50-80% of youth in detention are estimated to have a diagnosable
- 20% of youth in detention are estimated to have a serious MH disorder
- Increased probability of justice contact for youth receiving
- One study found that 20% of youth receiving public mental health services were arrested over the course of 38 months⁵

Transition to Adulthood

- The transition to adulthood is a particularly sensitive time, especially for people involved in institutions such as mental health and the justice system⁶
 - Changing *individuals* (brain maturation, hormones, moral development)
 - Changing *social* networks (peers, mentors, authority)
 - Changing structures: differing MH eligibility requirements, differing laws and sanctions

Hypotheses

- People who offend in adolescence will be more likely to offend in adulthood
- People who are diagnosed with externalizing mental health disorders during adolescence will be more likely to offend in adulthood
- Mental health system contact during the transition to adulthood will be related to justice system contact in adulthood, such that those who received restrictive MH services (inpatient hospitalization and residential treatment) will be more likely to offend in adulthood.

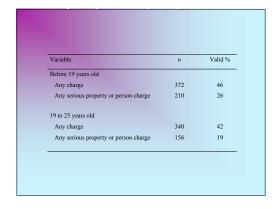
Methods

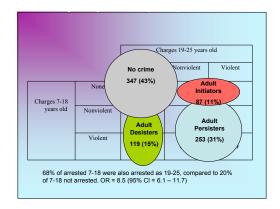
- Subsample of previous presentation; people born in 1978 or 1979
- N = 806
- · For this analysis:
 - "Juvenile": ages 7-18
 - "Adult": ages 19-25
 - "Transition years": ages 16-18

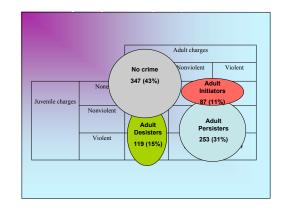
Variable	n	Valid %
Male	413	51%
Female	393	49%
Race/ethnicity		
White	584	73%
African American	72	9%
Hispanic	63	8%
Asian	11	1%
Other	60	8%
Missing/unknown	16	2%
16 through 18 years old*		
Outpatient services	366	45%
Residential tx	202	25%
Inpatient hospitalization	212	26%
19 through 25 years old*		
Outpatient services	223	29%
Residential tx	140	17%
Inpatient hospitalization	114	14%

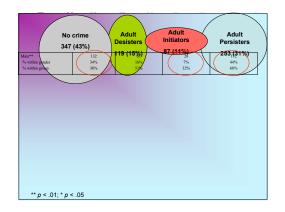
Variable	7-18 years		19-25 years	
	n	Valid %	n	Valid %
Any MH diagnosis	367	46%	161	20%
Of those with a diagnosis:				
Mood Disorder	256	70%	102	63%
PTSD	136	37%	55	34%
Thought Disorder	68	19%	62	39%
Conduct Disorder/ODD	64	17%	12	8%
ADD/ADHD	61	17%	19	12%
Substance Abuse Disorder	49	13%	46	29%
Impulse Control Disorder	28	7%	2	1%
Personality Disorder	27	7%	41	26%
Anxiety Disorder	25	7%	13	8%
Developmental Disorder	20	5%	14	9%
Adjustment Disorder	16	4%	8	5%
Learning Disorder	9	3%	1	1%
Eating Disorder	8	2%	3	2%

Variable	n	Valid %
Any MH diagnosis before 19 years old	367	46%
Of those with a diagnosis:		
Mood Disorder	256	70%
PTSD	136	37%
Thought Disorder	68	19%
Conduct Disorder/ODD	64	17%
ADD/ADHD	61	17%
Substance Abuse Disorder	49	13%
Impulse Control Disorder	28	7%
Personality Disorder	27	7%
Anxiety Disorder	25	7%
Developmental Disorder	20	5%
Adjustment Disorder	16	4%
Learning Disorder	9	3%
Eating Disorder	8	2%









subgroup of people with a diagnosis pric to 19 years old		Adult Desisters 57 (12%)	Adult Initiators 45 (16%)	Adult Persisters 116 (32%)	
ODD/CD**	12	12		116 (32%)	
% within DX	12	12	6	53%	
% within group	8%	21%	13%	29%	
Substance use*	13	8	3	25	
% within DX	27%	16%	6%	51%	
% within group	9%	14%	7%	2%	
PTSD*	56	19	25	36	
% within DX	41%	14%	18%	27%	
% within group	38%	33%	56%	31%	
Anxiety*	18	1	2	4	
% within DX	72%	4%	8%	16%	
% within group	12%	2%	4%	3%	
Impulse control (NS)	6	6	3	13	
% within DX	21%	21%	11%	46%	
% within group	4%	11%	7%	11%	
Personality*	10	9	6	2	
% within DX	37%	33%	22%	7%	
% within group	7%	13%	16%	2%	

People diagnosed with ODD/CD or substance use disorders were more likely to imitate criminal behavior in childhood and persist into adulthood People diagnosed with PTSD were more likely to imitate criminal behavior in adulthood People diagnosed with anxiety disorders were less likely to engage in criminal behaviors at any time Surprisingly, people diagnosed with impulse control disorders were not significantly more likely to engage in criminal behaviors No other class of disorders was significant, including thought disorders, learning disorders, adjustment disorders, or ADD/ADHD

** p < .01; * p < .05

	No crime	Adult Desisters	Adult Initiators	Adult Persisters 253 (31%)	
	347 (43%)	119 (15%)	87 (11%)		
Community based services					
16-19*	164	57	47	98	
% within services	45%	16%	13%	27%	
% within group	47%	48%	54%	39%	
Residential treatment, 16-19					
(NS)	74	36	28	64	
% within services	37%	18%	14%	32%	
% within group	21%	30%	32%	35%	
Inpatient hospitalization					
(NS)	88	33	27	64	
% within services	42%	16%	13%	30%	
% within group	25%	28%	31%	25%	

		Any charge before 19 years	Any violent charge before 19 years	Any charge 19-25 years	Any violent charge 19 25 years
Community based treatment	No	OR=1.33	OR=1.76	44%	21%
16-18 years	Yes	(1.00-1.75)	(1.28-2.44)	40%	17%
Residential treatment 16-18	No	45%	27%	41%	19%
years	Yes	50%	24%	46%	21%
Inpatient hospitalization 16-	No	46%	27%	42%	19%
18 years	Yes	46%	24%	43%	20%

• Specific forms of treatment during the transition to adulthood do not seem to be related to adult criminal behavior

• This is also true when examining only those people with substance use disorders or CD/ODD in adolescence (data not shown).

Overall Summary

- The strongest predictor of adult offense is offending as a juvenile. Juveniles who were arrested were 8.5 times more likely to be arrested than juveniles who were not arrested.
- Males were more likely to offend at any time. Females were more likely to initiate offending in adulthood
- People diagnosed with ODD/CD or substance use disorders were more likely to initiate criminal behavior in childhood and persist into adulthood
- · Specific forms of treatment during the transition years, including residential treatment and inpatient hospitalization, do not seem to be related to offending in this group of mental health service receivers

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