

The Impact of Psychiatric Disorder: An Overview for Multinational Corporations

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Ten Leading Causes of DALY's at Ages 15-44 years

<u>Rank</u>	<u>Disease or Injury</u>	<u>DALY's</u> (in 000's)
1	Unipolar major depression	42,972
2	Tuberculosis	19,673
3	Road traffic accidents	19,625
4	Alcohol use	14,848
5	Self-inflicted injuries	14,645

Ten Leading Causes of DALY's at Ages 15-44 years

<u>Rank</u>	<u>Disease or Injury</u>	<u>DALY's</u> (in 000's)
6	Bipolar disorder	13,189
7	War	13,134
8	Violence	12,955
9	Schizophrenia	12,542
10	Iron deficiency	12,511

Reasons for High DALY's of Psychiatric Disorders

- High prevalence
- Early age of onset
- High chronicity
- High impairment
- Low treatment rate

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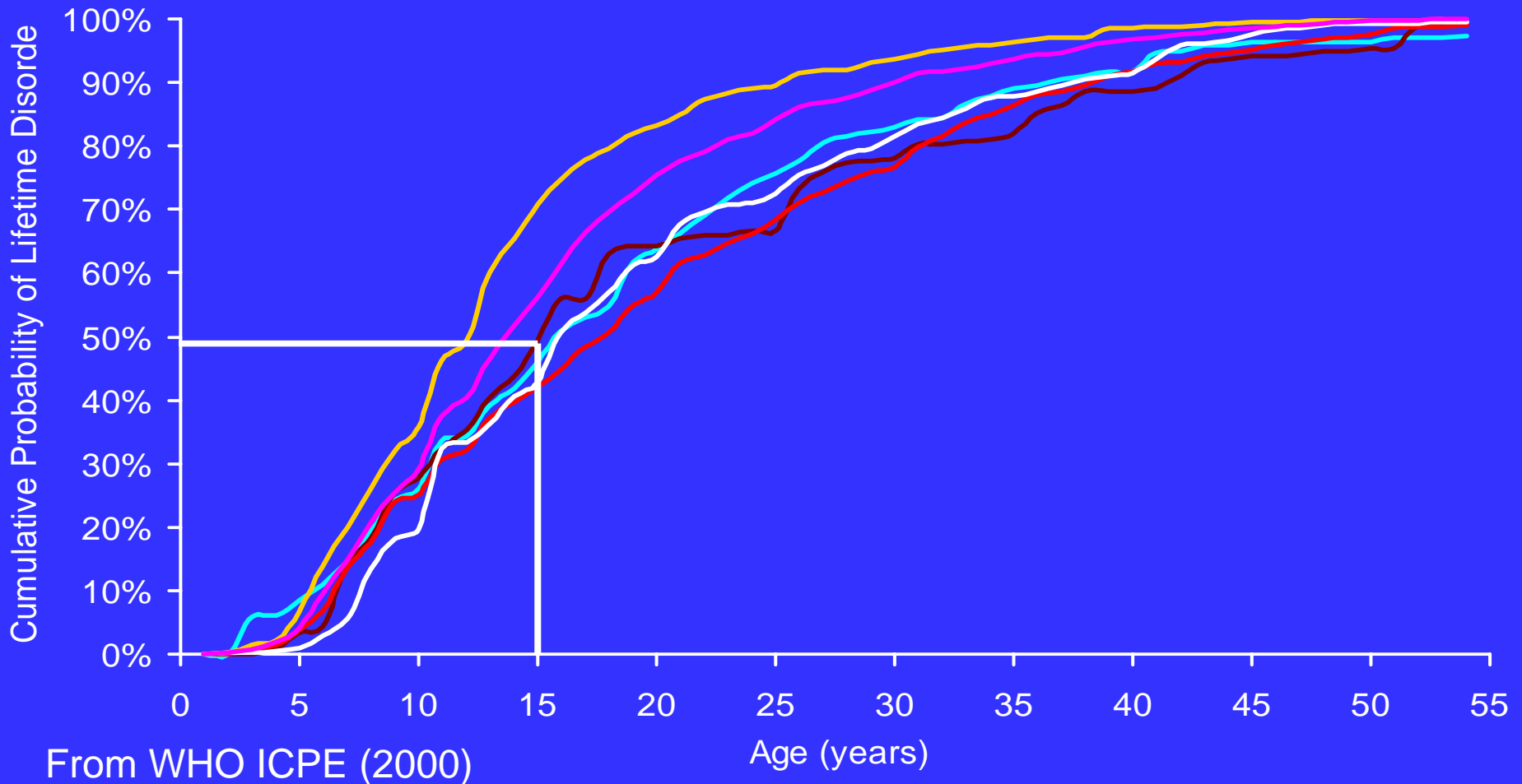
Lifetime Prevalences in the ICPE Surveys

Any anxiety disorder	5.6-25.0%
Any mood disorder	7.3-19.4%
Any addictive disorder	9.6-28.2%
Any ICPE disorder	12.2-48.6%

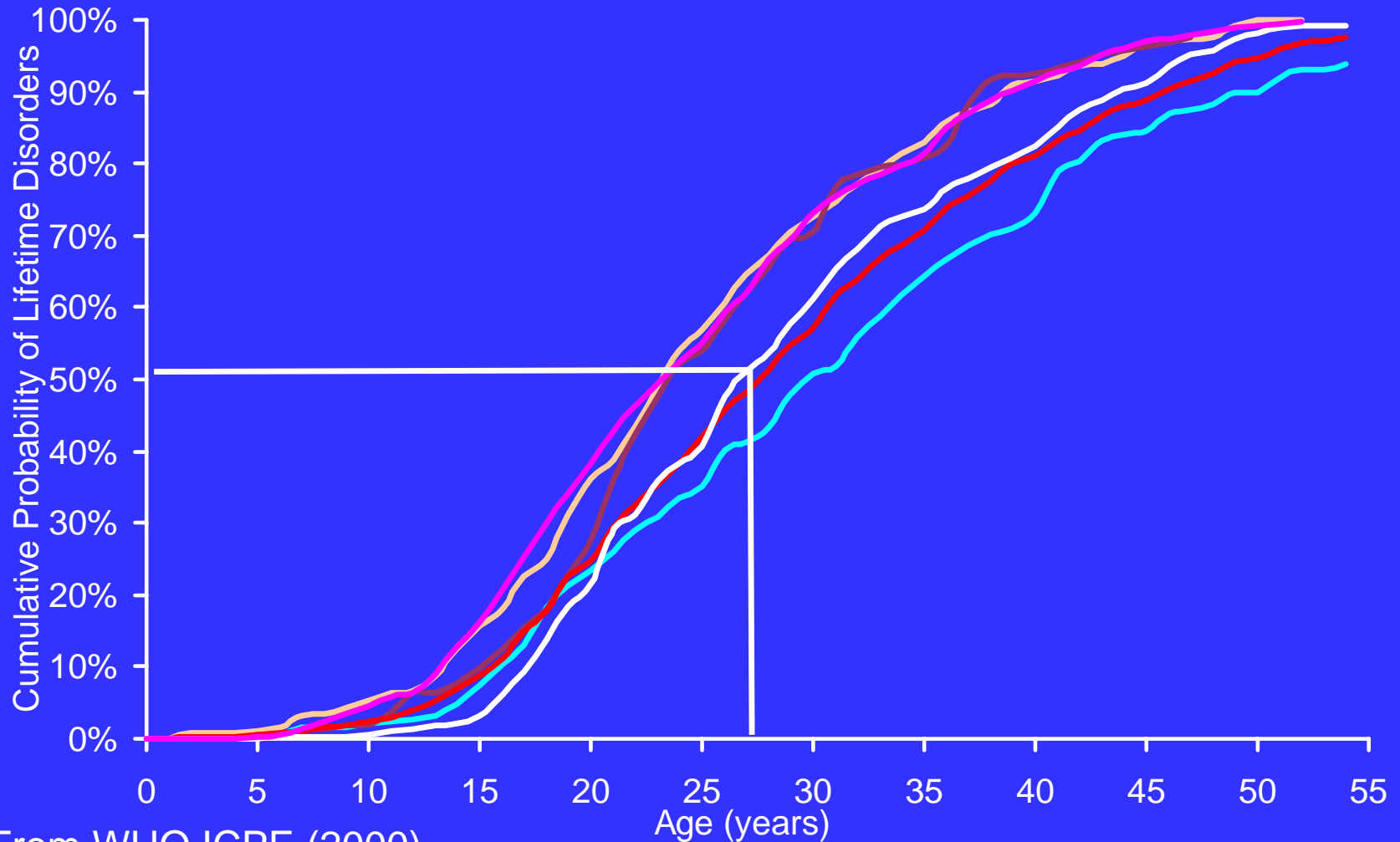
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Age of Onset of Anxiety Disorders in the ICPE Surveys

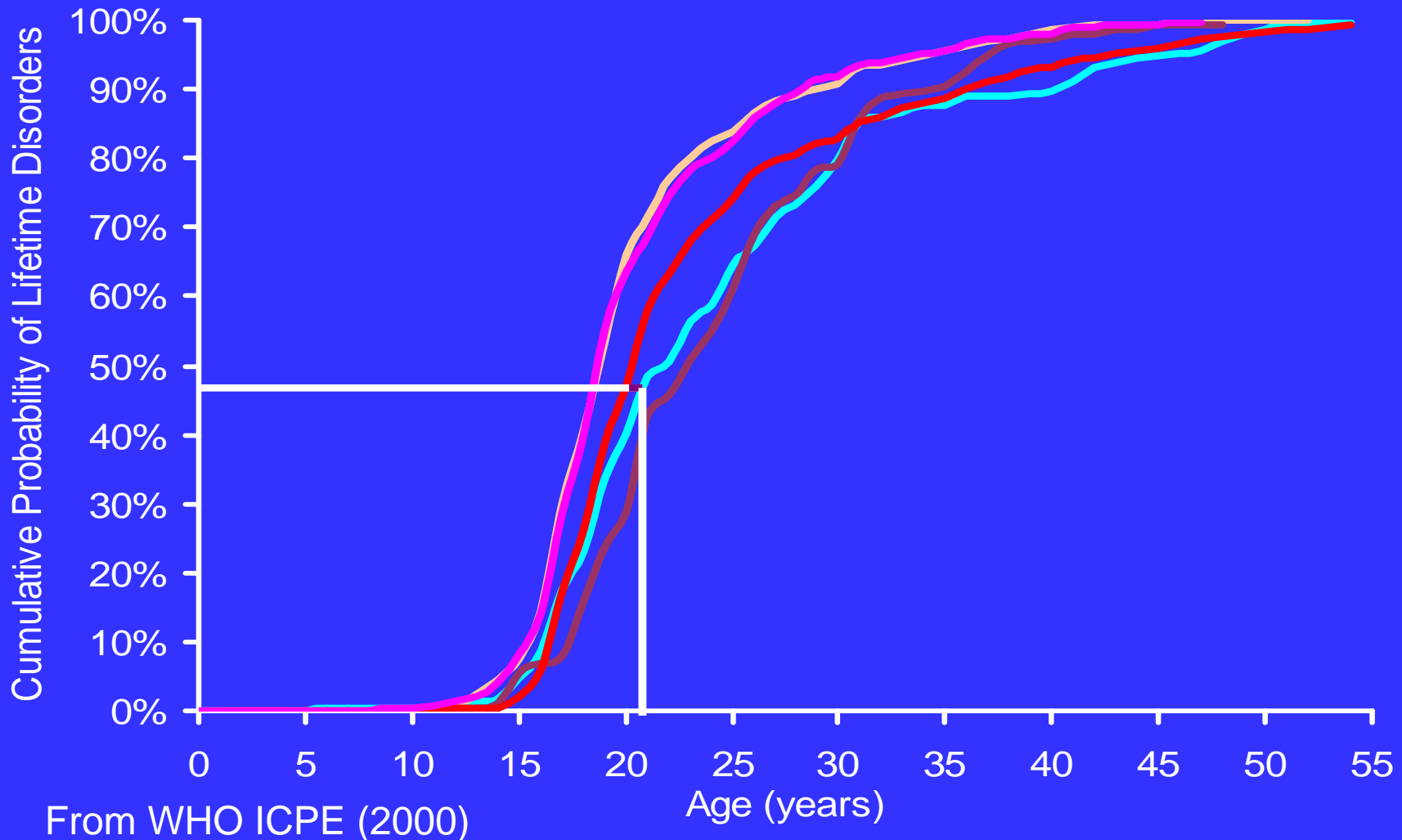


Age of Onset of Mood Disorders in the ICPE Surveys



From WHO ICPE (2000)

Age of Onset of Addictive Disorders in the ICPE Surveys



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Percentage of Lifetime Disorders

Anxiety 60%

Mood 50

Addiction 45

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Work Impairment Days (MIDUS Survey)

	Any Impairment <u>Days</u> %	# of Impairment <u>Days</u> Mean
Work-loss Days	16.0	6.7
Work-cutback Days	18.8	5.9
Impairment Days	28.0	5.8

Condition-specific Impairment Days in the MIDUS Survey

Panic attack	1.8*
Ulcer	1.7*
Sleep problems	1.6*
Autoimmune	1.5*
Major depression	1.4*

* significant at the .05 level

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Condition-specific Impairment Days in the MIDUS Survey

Generalized anxiety disorder	1.4*
Hernia	1.3*
Drug dependence	1.2*
Lung problems	1.2*
Bladder problems	0.9*

* significant at the .05 level

-continued-

Condition-specific Impairment Days in the MIDUS Survey

Hypertension, stroke	0.8*
Asthma	0.7*
Arthritis	0.7*
Migraine headaches	0.4*
Back problems	0.4*

* significant at the .05 level

Summary of Workplace Costs of Depression

(in billions of 1990 US dollars)

Absenteeism	\$24.5	(74.3%)
While at work	\$ 8.5	(25.7%)
Total	\$33.0	(100.0%)

Expected Effects of Depression Treatment on Workplace Recovery

Lost Yearly Salary

Additive model	\$1,300
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Nonadditive model	\$1,820
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Example: Restricting Benefits for Treatment of Mental Illness

	<u>1993</u>	<u>1995</u>	Percent <u>Change</u>
% of enrollees using outpatient MH services	5.8%	5.2%	-11%
% of enrollees using other outpx services	63.5%	75.8%	19%

Example: Restricting Benefits for Treatment of Mental Illness (cont.)

	<u>1993</u>	<u>1995</u>	Percent <u>Change</u>
Nonmental health costs of prior MH users	\$2325	\$3175	37%
Nonmental health costs of MH nonusers	1297	1315	1%

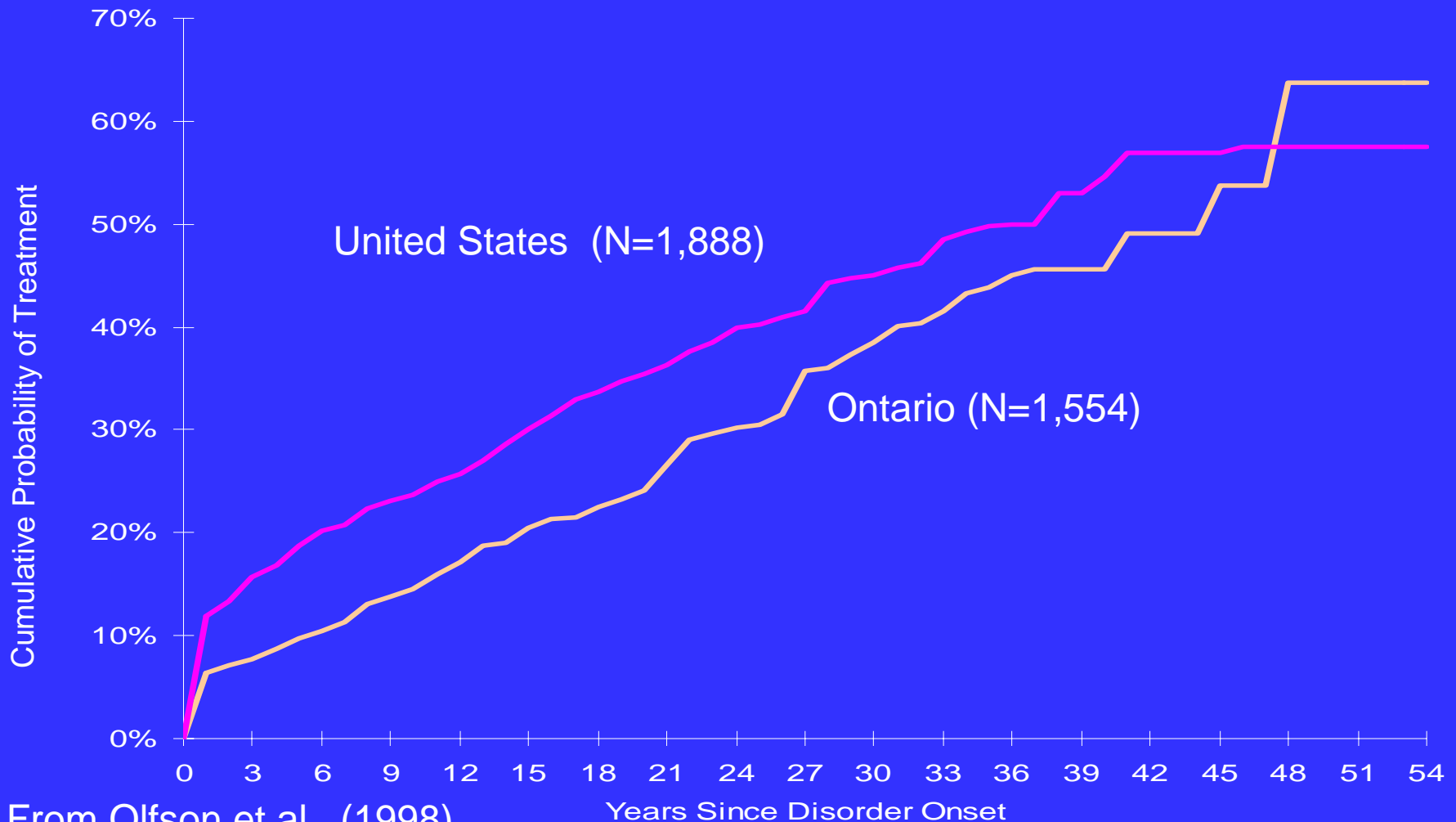
Opportunity Costs Associated with Psychiatric Disorders

- School failure
- Teen pregnancy
- Marital disruption
- Unemployment
- Underemployment

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Speed-of-Contact Curves for First Treatment of Phobia



From Olfson et al. (1998)

Years Since Disorder Onset

12-mo Prevalence* of Outpatient Service Use by Sector

General medical	7.9
Specialty	12.4
Human services	8.9
Self-help	7.4
Any	24.7

* In NCS with DSM-III-R criteria

Challenges for the 21st Century

- Demand management
- Early intervention
- Maintenance treatment
- Quality assurance

Healthy Corporations

- What does the term mean?

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- Sites for health prevention

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- Low-stress environments