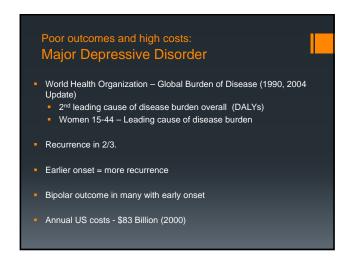
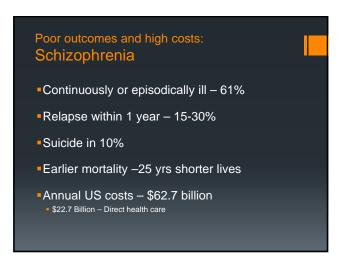
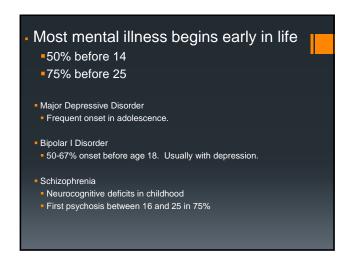


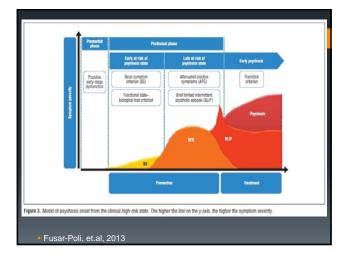
Poor outcomes and high costs: Bipolar Disorder Recurrent in 90%. Over 50% recur in 1 year Avg 5 hospitalizations in 10 years 47% of life ill. Days depressed 3X > Days manic High suicide rate Indirect costs – Disability, premature death Lifetime cost for severe cases - \$624,785. Annual US direct healthcare costs: \$45.2 Billion Intangible costs Family burden of illness, lost work productivity Impaired Health Related Quality of Life (HRQoL)

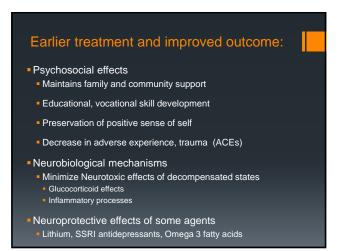




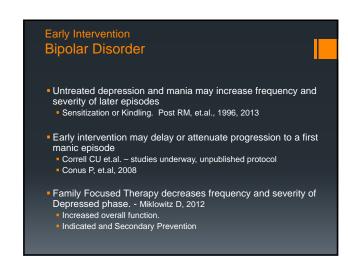


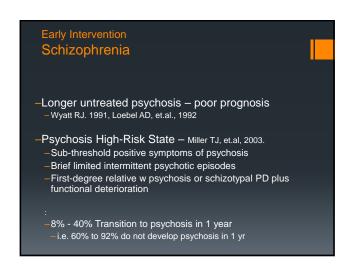
Identifiable patterns of progression. Targets for early treatment Non-specific increased risk states MDD - e.g. offspring at risk, adverse or traumatic experience Bipolar - offspring, anxiety, depression Schizophrenia - offspring, neurocognitive deficits High Risk states MDD - e.g. Dysthymia + family history mood disorder Bipolar - Major Depression + family history, psychotic subtype, abrupt onset, agitation with antidepressants. Schizophrenia - Attenuated positive symptoms, genetic risk and deterioration, brief limited intermittent psychotic episode Early-onset illness





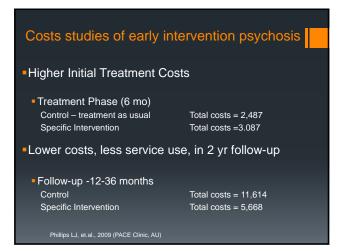


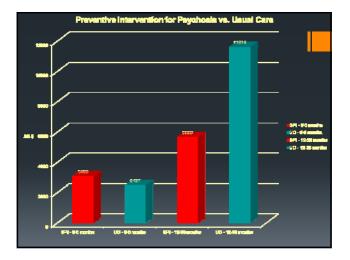




Meta-analysis: Interventions in the High-Risk state - 7 RCTs - Fusar-Poli, et.al., 2013 Transition to psychosis at 1 year : -23% of controls -7.6% with focused treatment Risk Ratio = 0.34, NNT=6 P<0.001 Antipsychotic medication NS Cogn.-Behav. Therapy, Cogn. Therapy (2 trials) NS CBT + Antipsychotic medication (2 trials) NS Omega 3 Fatty Acids P 0.02 P 0.02 CBT, Family Psychoeducation, Soc. Skills







Intervention in the state of high risk for psychosis Family support and psychoeducation PIER Multifamily Psychoeducation Group Individual psychotherapy Vocational and Educational Support Care Coordination Team-Based treatment Medication as needed for specific impairing symptoms Depression, anxiety, psychotic symptoms Health and Wellness Exercise, Diet, Sleep, Screen time, Omega 3 Fatty Acids, Vitamin D

Intervention in First Episode Psychosis

- NIMH Recovery After Initial Schizophrenia Episode (RAISE)
- Team-Based Treatment vs. Fragmented care
- Care Coordination
- Psychotherapy Cognitive Behavioral Therapy for Psychosis
- Family Psychoeducation and Support
- Vocational and Educational Support
- Evidence-based Psychopharmacological Treatment

Engagement – Adolescents and Young Adults

- Families
- Peer support
- Identifying patient's needs, priorities
- Friends
- School and jobs
- Physical well-being

Psychopharmacology in early psychosis



- Balance Effectiveness vs. Adverse Effects
- First meds Minimal sedation, Extrapyramidal effects
 - Aripiprazole
 - More acute Risperidone
- Dose ranges Start low if possible
- Long-Acting Injectable Antipsychotic medications. E.g.
- Paliperidone Invega Sustenna
- Risperidone Long-Acting
- Associated symptoms important to the patient:
 - Mood Symptoms
- Anxiety
- Insomni
- Active management of Adverse Effects
 EPS, Akithesia, Sedation, Weight gain, Sexual

Early intervention for Psychotic Disorders in Maine



- Portland Identification and Early Referral (PIER)
 Focused on Clinical High Risk for Psychosis
 William McFarlane, MD
- Now Is The Time: Healthy Transitions (NITT-HT) SAMHSA
 - 5 Year grant to Maine DHHS. 2015-2020
- CHR and First Episode Psychosis, Ages 16-25
- 25 patients per year. 2 year duration of treatment
- Initially Cumberland County. Expansion to Androscoggin, York, Penobscot
- Maine Medical Center, Youth Move, Transition to Independence (TIP)

