

Reducing Readmissions:

The Role of Long Acting Injectable Psychotropic Medications, Gaining Consumer Acceptance,

and Peer Counselors

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Quality Healthcare Solutions
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Institute For Behavioral Healthcare Improvement Reducing Readmissions Project

This project will involve hospitals and related outpatient providers, and is dedicated to reducing readmission within 30 days of people initially admitted to hospitals for a behavioral health problem

Planned to begin in February 2012

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Tuesday, December 11, 2012



OUTLINE

QHS

Strategic Solutions.
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- Learning Objectives
- Readmissions
- Antipsychotic Long Acting Injectables
- Administrative/Operational Overview
- Recommendations
- •Q & A



DISCLOSURE

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Dr. Jorge Petit does not have any financial arrangements or affiliations with any commercial entities whose products, research or services may be discussed in these materials.



Learning Objectives



Upon completion of the webinar, the participant will:

- 1) Understand the use of the long acting injectable psychotropic medications as a strategy to improve adherence.
- Understand the administrative and operational aspects of implementing services aimed at the use of injectable psychotropic medications.
- 3) Identify the importance of using injectable psychotropic medications as an important treatment intervention in different service settings.

Overview



- Hospitalizations make up a large percentage (almost 31%) of the total healthcare expenditures.
- Hospital readmissions are increasingly a public policy concern due to the cost and quality burdens.
 - 19.6% of Medicare beneficiaries (about 2 million) discharged were re-hospitalized within 30 days
 - Cost = \$17.5B in additional hospital bills
 - Medicaid enrollees (18-64 years old) had a 10.7% 30-day readmission rate

Overview



- Federal and state agencies and private payers are searching for ways to reduce or contain costs and improve quality of care.
- More than 2,000 hospitals will be penalized by CMS starting in October 2012 because many of its patients are readmitted soon after discharge.
- Readmission rates are an important indicator of quality of care because they may result from actions taken or omitted during the initial hospital stay.



Overview

MDC at 1 st Admission	Readmission Rate	% Readmissions (non-OB related)
Circulatory System	10.4%	15%
Mental Disorder	11.8%	12%
Respiratory System	11.4%	10.7%
Digestive System	10.3%	9.6%
Substance Use Related	13%	8.4%



- Behavioral health disorders affect a substantial portion of the U.S. population.
- Nearly half of all Americans will develop a mental illness during their lifetime.
- One in four Americans experiences a mental illness or substance abuse disorder each year, and the majority also has a comorbid physical health condition.



- Approximately 17% of Medicare beneficiaries have a mental illness.
- An analysis of Medicaid beneficiaries across 13 states found that more than 11 percent of beneficiaries used behavioral health services in a year.
- Treatment capacity for behavioral services is in critically short supply and getting worse.



- Many states have cut their mental health budgets dramatically, and that trend is intensifying.
 - States are closing their government-funded psychiatric hospitals
 - States are reducing payment rates for mental health providers and residential treatment.
- In 2009, more than 2 million discharges from community hospitals were for a primary diagnosis of mental illness or substance abuse disorder.
- Psychiatric LOS and total days of treatment have decreased and readmission rates have dramatically accelerated in the past decade when compared to other medical conditions.



- Early return to hospital is a frequently measured outcome in mental health system performance monitoring.
 - risk is greatest in the 30-day period immediately after discharge
 - history of repeated admission increases risk
- Impacts on the system include:
 - Cost of care per patient
 - Inpatient bed availability
 - Increase ED utilization
 - Negative influence on patient's and staff's perception of treatment and recovery



- 1) Prior Hospitalizations
 - Many studies have demonstrated an association between prior inpatient admission and readmissions
 - Prospective cohort study (2012) of 233 high utilizing psychiatric inpatients found that number of inpatient days in previous year predicted readmission within 2 years



- 2) Engagement in Outpatient Services
- Retrospective review of 3,113 inpatients found that those without an outpatient appointment after discharge were twice as likely to be rehospitalized in the same year compared to those with at least one outpatient appointment
- 3) Substance Use Disorders
- Prospective cohort study of 262 adult inpatients with schizophrenia found those readmitted within 3 months were more likely to have comorbid SUD
- Study of 50 Medicaid inpatients at high risk for readmission identified SUD as a common reason for readmission



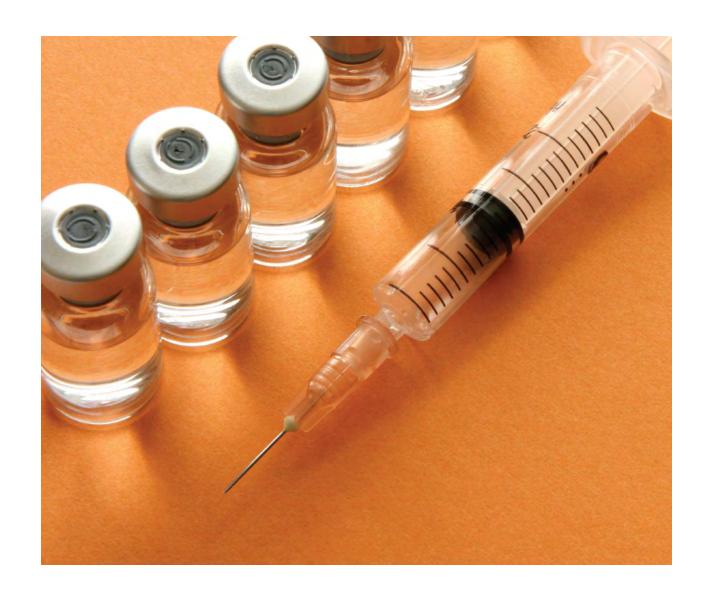
- 4) Medication Non-Adherence
- Non-adherence to oral antipsychotic medications is one of the most significant clinical challenges in the treatment of schizophrenia.
- Over 90% of patients with schizophrenia are prescribed medication.
- Reviews indicate that non-adherence rates are as high as 50% in the first year of treatment, and almost 75% in the first two years of treatment.



- 4) Medication Non-Adherence
- In an effectiveness study it was found that 9 of 10 patients taking oral antipsychotic medication for 1 year were only partially adherent.
 - degree of their adherence was linked to outcome: lower adherence was significantly associated with higher (worse) symptom ratings.
- Despite these statistics only 30% or less of patients with schizophrenia are prescribed a long-acting antipsychotic injectable.



- 4) Medication Non-Adherence
- Another analysis found that patients who stopped taking their medication for as little as 10 days incurred a significantly increased risk of hospitalization.
- Other studies have demonstrated a direct relationship between reduced adherence, re-hospitalization, and hospitalization costs.





Medication adherence is a common treatment focus for persons with serious mental illnesses, including schizophrenia and schizoaffective disorder.

Medication non-adherence can be a significant barrier to recovery.

A potential clinical benefit for the use of intramuscular, long-acting medications is to help patients improve medication adherence.

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Guidelines

- National Institute for Health and Clinical Excellence (NICE)
 Guidelines, 2002
- PORT Recommendations, 2003
- American Psychiatric Association Guidelines, 2004
- Texas Medication Algorithm Project



RECENT STUDIES COMPARING ORAL TO LONG-ACTING INJECTABLE ANTIPSYCHOTICS

- Veterans Affairs Cooperative Studies Program 555
 - Robert Rosenheck et al.
- NIMH Relapse Prevention Study (PROACTIVE)
 - John Kane et al.



VA STUDY 555

- Psychiatric symptoms, quality of life, scores on the Personal and Social Performance scale of global functioning, and neurologic side effects were not significantly improved with long-acting injectable risperidone as compared with control treatments.
- CONCLUSION: Long-acting injectable risperidone was not superior to a psychiatrist's choice of oral treatment.



CONCLUSIONS:

PROACTIVE

- No significant difference in time to first relapse and hospitalization between risperidone microspheres and oral SGAs
- Psychotic symptoms benefit favoring risperidone microspheres



Treating with LAI as early as possible, from the first episode if possible, can reduce relapse, number and duration of rehospitalization, and cognitive symptoms and improve the quality of life and prognosis.

From the clinical point of view, psychiatrists should think in terms of relapse prevention from the outset of the illness, identify and overcome local barriers to use LAIs, and consider the option of SG-LAIs to all patients with first-episode or recent-onset schizophrenia in a shared decision-making approach.



Randomized studies suggest that suggest that LAIs reduce risk of relapse versus oral antipsychotics in schizophrenia outpatients when combined with quality psychosocial interventions.

In Finland, only a minority of patients adhere to their initial antipsychotic during the first 60 days after discharge from their first hospitalization for schizophrenia but use of depot antipsychotics was associated with a significantly lower risk of re-hospitalization than use of oral formulations.



Healthcare providers, patients and family members should be made aware of the safety and benefits of long-acting injectable atypical antipsychotics in order to diminish the unnecessary restrictions of these therapies for patients with schizophrenia.

Observational data confirm that risperidone LAI is an effective treatment in schizophrenia and high levels of adherence to therapy offers an opportunity for effective long-term disease management and significant sustained decreases in hospitalization.





PREPARATIONS



- Haloperidol decanoate
- Fluphenazine decanoate
- •Risperidone microspheres [Risperdal Consta]*
- Paliperidone palmitate [Invega Sustenna]*
- Olanzapine pamoate [Zyprexa Relprevv]*

*On patent

LAI/DEPOT COMPARISON CHART



TABLE 8-4. Long-acting antipsychotic drugs (all given intramuscularly)

	How supplied	Half-life (days)	Starting dose (mg)	Second dose (mg)	Maintenance dose (mg)
Fluphenazine decanoate	25 mg/mL	6–10	12.5	12.5-25 (6-14 days later)	12.5-50 every 2-3 weeks
Haloperidol decanoate	50 mg/mL or 100 mg/mL	21	50	50-100 (3-28 days later)	50-200 every 3-4 weeks
Risperidone microspheres	Prepared packages of 25, 37.5, and 50 mg	3-6	25	25-50 (2 weeks later)	25-50 every 2 weeks
Paliperidone palmitate	Prefilled syringes containing 39, 78, 117, 156, or 234 mg	25-49	234	156 (7 days later)	39–234 every 4 weeks
Olanzapine pamoate	Prepared packages of 210, 300, or 405 mg	30	210–300	210–300 (2 weeks later)	150–300 every 2 weeks or 300–405 every 4 weeks

Stroup et al. in Essentials of Schizophrenia, 2011

LAI/DEPOT COMPARISON CHART

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	Weight gain and metabolic side effects	Extrapyramidal side effects	Hyper- prolactinemia
Fluphenazine	+	+++	+++
Haloperidol	+	+++	+++
Olanzapine	+++	+	+
Paliperidone	++	++	+++
Risperidone	++	++	+++



HALOPERIDOL DECANOATE





FLUPHENAZINE DECANOATE



RISPERIDONE MICROSPHERES QHS







PALIPERIDONE PALMITATE









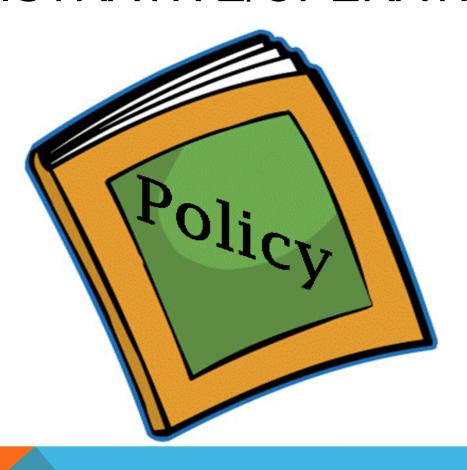




Warnings

- •Post-Injection Delirium/Sedation Syndrome: Adverse events with signs and symptoms consistent with olanzapine overdose, in particular, sedation (including coma) and/or delirium, have been reported.
- •Zyprexa® Relprevv™ must be administered in a registered healthcare facility with ready access to emergency response services. After each injection, patients must be observed at the healthcare facility by a healthcare professional for at least 3 hours.







Overall Medication Management Policy, Practices or Guidelines





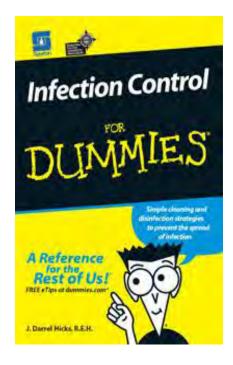
 Disposal of medical waste and sharps including placement and handling of regulated medical waste containers, identification of hazardous to handle medications and mitigation techniques, and disposal guidelines for expired or unusable medications.





















Improve engagement and linkages across the service continuum:

- Increase use of case management and/or ACT (where available)
- Increase use of peer services
- Increase hospital and community-based linkages and collaborations
- Develop group programming and/or Injection clinics



Improve clinical practices:

- Develop a RARC (Repeat Admission Review Committees/Coordinator)
- Increase focus on integrated dual diagnoses treatment
- Increase focus on management of comorbid medical conditions
- Develop recovery-oriented, strengths based treatment planning
- Other:
 - Motivational Interviewing (pre-discharge)
 - CBT





Improve overall medication practices:

- Increase use of clozapine and LAIs
- Increase staff and patient awareness and education about LAIs.
- Improve medication prescription fills upon discharges
- Increase medication-assisted alcohol treatment



Agency for Healthcare Research and Quality – AHRQ / Service Delivery Innovation

Plan: Strategies focused primarily on steps that could be taken in the inpatient setting to facilitate the provision of appropriate treatment and support services after discharge including switching medications from oral to LAI.

Outcome: Significant reduction in overall readmission rates at participating hospitals with associated declines in inpatient days and costs.

http://www.innovations.ahrq.gov/content.aspx?id=3082



A New Psychosocial Tool for Gaining Patient Understanding and Acceptance of Long-acting Injectable Antipsychotic Therapy

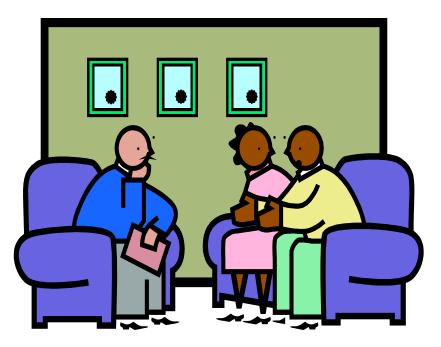
by Robert A. Lasser, MD, MBA; Nina R. Schooler, PhD; Mary Kujawa, MD, PhD; Kathleen Jarboe, PHMCNS-BC; John Docherty, MD; and Peter Weiden, MD

GAIN approach was designed as a standard interview process for presenting the option of changing from oral antipsychotic to LAI and encompasses (acronym for) **g**oal setting, **a**ction planning, initiating treatment, and **n**urturing motivation.

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2714813/pdf/PE_6_04_22.pdf

Role of Peers in Promoting Recovery

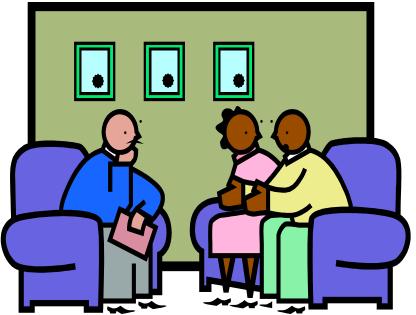
- Some Research findings
- Theories and concepts that support the work of peer counseling
- Defining peer counselor and roles





Some Research Findings

- Utilizing people in recovery from serious mental illnesses improves and augments public care.
- Peers provide services that yield equivalent patient outcomes compared to professionals by offering role modeling, hope for recovery, practical skills training and engagement and have impacted the wider mental health system by reducing costs, improving outreach and engagement improving provider attitudes.
- Psychiatric patients who received peer support were less likely to be readmitted.





Theories & Concepts Supporting Peer Counseling

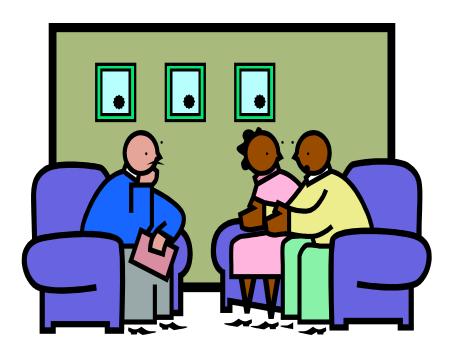
Social support – people around us who care about us

Experiential knowledge – specialized information gleaned from living with a mental illness

Helper-therapy principle – benefits from helping others (enhanced interpersonal competence; feeling of gaining as much as given to others; gets knowledge from working with others; enhances sense of self through positive feedback and affirmations)

Social learning theory – credibility of peers leads to better outcomes and – enhances both parties' self-efficacy

Social comparison theory – people are attracted to others who share commonalities, in order to feel a sense of "normalcy"

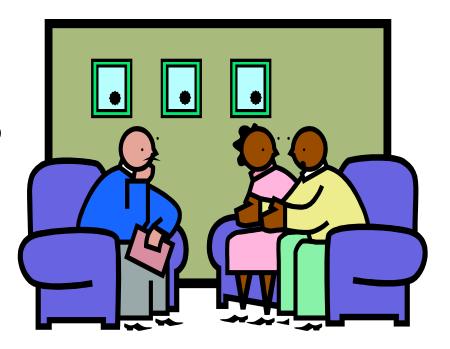




The Role of Peer Counselors

Peer Counselors are individuals with lived experience in using the mental health system, and who have...

- Been trained within peer advocacy and other human service agencies to help current consumers of services
- Reached a point in their personal recovery where they can give hope to others by sharing stories of overcoming challenge and stigma related to living with a mental illness
- Developed an understanding of recovery principles

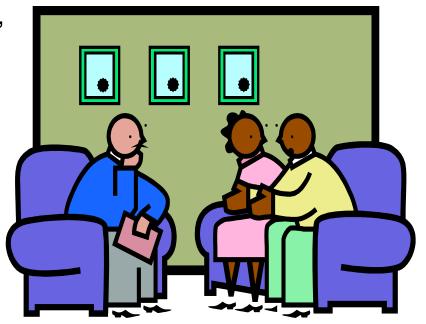




The Role of Peer Counselors

Peer Counselors also

- ■Teach self-advocacy and encourage consumers to ask questions, set goals, and discuss concerns with their care team
- Run recovery-focused groups and build trust with consumers
- Share resources about recovery programs in the community
- Engage consumers using supportive counseling, role modeling, appropriate disclosure, and providing hope





CONCLUSION



LAIs may be useful for people who:

- experience frequent relapses on oral medications
- have trouble maintaining oral regimen
- who prefer injections over oral treatments

LAIs are an important evidenced-based clinical intervention, although underutilized despite strong evidence, that has an impact on treatment adherence, costs, quality, outcomes and re hospitalizations.



Thank You!

Q & A



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