COLLABORATIVE CARE FOR CHRONIC PAIN IN PRIMARY CARE

Data Sharing

PPACT Trial: What we can access

- For recruitment:
  - <u>Patient ID</u> (linked to medical health record number, patient name, contact information)
  - <u>Site and clinic</u> Kaiser region (Georgia, Hawaii, Northwest) and specific primary care clinic
  - <u>EHR patient data</u> regarding opioid and benzodiazepine prescription fills, primary care utilization (in-person, telephone, and e-mail encounters), diagnostic (e.g., psychosis, dementia, current malignancies) and health service utilization (enrollment in intensive outpatient substance abuse programs, palliative care)
  - <u>Additional administrative data for patients</u> information regarding patient health plan membership status
  - <u>Administrative data regarding primary care providers</u> (provider names and IDs, paneled patients for each PCP)

- For outcome and descriptive analyses:
  - Patient reported outcomes (Brief Pain Inventory-Short Form, Patient satisfaction, Exercise as Vital Sign)
  - Medications dispensed (opioids in morphine equivalents; benzodiazepines)
  - Patient use of relevant health services (pain-related treatments and diagnostic procedures, emergency and urgent care services, primary care-related services, overall outpatient service utilization, inpatient services related to pain condition
  - Patient level baseline co-variates/descriptors (demographics [age, sex, race/ethnicity], chronic disease burden, concomitant psychiatric diagnosis, history of substance abuse dx, number and type of pain disorder diagnoses)
  - Primary care provider descriptors (FP/IM specialty, MD/DO/NP/PA training, age, sex, % of eligible patients, % of patients >120 MEQ of opioids, pain referral practices)
  - Primary care provider feedback (appraisal of intervention impact on clinical work flow and patient care support)
  - Patient censoring information (membership disenrollment and date, mortality and date of death)

What We Can Access

Type of Data	Baseline	Follow-up
Patient level		
ID (MHRN, name and contact info)	X	
Demographic information	X	
Relevant medical characteristics / comorbidities	X	
Health care utilization	X	X
Medication use (opioids in MEQ, benzos)	X	X
PRO (BPI, patient satisfaction, EVS)	X	X
Provider level		
Provider ID/Name/Eligible paneled patients	X	
Demographic information & med specialty	X	
Pain prescribing/referral practices	X	X
Cluster level		
Cluster ID	X	X
Clinic ID	X	X
Health Plan Region / Site	X	X

PPACT Trial: What We Need for Analysis

- Trial enrollment date

- Treatment assignment

- Patient ID (linked to MHRN, ~~patient name, contact information~~)

- Site and clinic

- Patient reported outcomes (BPI-SF, patient satisfaction, exercise as vital sign)

- Medications dispensed (opioids in morphine equivalents; benzodiazepines)

- Patient use of relevant health services (pain-related treatments and diagnostic procedures, emergency and urgent care services, primary care-related services, overall outpatient service utilization, inpatient services related to pain condition)

- Patient level baseline co-variates/descriptors (demographics [age, sex, race/ethnicity], chronic disease burden, concomitant psychiatric diagnosis, history of substance abuse dx, number and type of pain disorder diagnoses)

- Primary care provider descriptors (FP/IM specialty, MD/DO/NP/PA training, age, sex, % of eligible patients, % of patients > 120 MEQ of opioids) – for descriptive tables and potentially aggregate means for cluster level analyses

- Primary care provider feedback (appraisal of intervention impact on clinical work flow and patient care support) - – for descriptive tables and potentially aggregate means for cluster level analyses

- Patient censoring information(membership disenrollment and date, mortality and date of death)

- EHR measures of adherence to PPACT intervention (intervention-related encounters)

What We Need for Analysis

Type of Data	Baseline	Follow-up
Patient level		
ID (MHRN, ~~name and contact info~~)	X	
Treatment assignment	X	
Demographic information	X	
Relevant medical characteristics / comorbidities	X	
Health care utilization	X	X
Medication use (opioids in MEQ, benzos)	X	X
PRO (BPI, patient satisfaction, EVS)	X	X
Cluster level (including PCP information)		
~~Provider ID/Name/Eligible paneled patients~~	~~X~~	~~X~~
Mean demographic info & med specialty	X	
Mean pain prescribing/referral practices	X	
Cluster ID	X	X
Clinic ID	X	X
Health Plan Region / Site	X	X

PPACT Trial: What we can share
(via unsupervised data archive)

- Trial enrollment ~~date~~ year

- Treatment assignment

- Anonymous Patient ID (~~linked to MHRN, patient name, contact information~~)

- Site? ~~and clinic~~

- Patient reported outcomes (BPI-SF, patient satisfaction, exercise as vital sign)

- Medications dispensed (opioids in morphine equivalents; benzodiazepines)

- Patient use of relevant health services (pain-related treatments and diagnostic procedures, emergency and urgent care services, primary care-related services, overall outpatient service utilization, inpatient services related to pain condition) – likely at higher level of aggregation

- Patient level baseline co-variates/descriptors (demographics [age with extreme values windsorized, sex, race/ethnicity], chronic disease burden, concomitant psychiatric diagnosis, history of substance abuse dx, number and type of pain disorder diagnoses)

- Primary care provider descriptors (FP/IM specialty, MD/DO/NP/PA training, age, sex, % of eligible patients, % of patients > 120 MEQ of opioids) – for descriptive tables and potentially aggregate means for cluster level analyses

- Primary care provider feedback (appraisal of intervention impact on clinical work flow and patient care support) - – for descriptive tables and potentially aggregate means for cluster level analyses

- Patient censoring information (quarterly membership disenrollment ~~and date~~, quarterly mortality ~~and date of death~~)

- EHR measures of adherence to PPACT intervention (intervention-related encounters)

What we can share

Type of Data	Baseline	Follow-up
Patient level		
Anonymous study ID, ~~name and contact info~~	X	--
Treatment assignment	X	
Relevant medical characteristics / comorbidities	X	--
Demographic information	X (potentially Windsorized)	--
Health care utilization	X (with time since rand replacing dates)	X (with time since rand replacing dates)
Medication use (opioids in MEQ, benzos)	X (with time since rand replacing dates)	X (with time since rand replacing dates)
PRO (BPI, patient satisfaction, EVS)	X (with time since rand replacing dates)	X (with time since rand replacing dates)
Cluster level (including PCP information)		
PCP demographic info & med specialty	Aggregate by condition descriptive tables only	--
PCP pain prescribing/referral practices	Aggregate by condition descriptive tables only	Aggregate by condition descriptive tables only
Cluster ID, ~~Clinic ID~~	X	--
Health Plan Region / Site?	X	--