

COLLABORATIVE CARE FOR CHRONIC PAIN IN PRIMARY CARE

Data Sharing

PPACT Trial: What we can access

- For recruitment:
 - Patient ID (linked to medical health record number, patient name, contact information)
 - Site and clinic Kaiser region (Georgia, Hawaii, Northwest) and specific primary care clinic
 - EHR patient data 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)
 - Additional administrative data for patients information regarding patient health plan membership status
 - Administrative data regarding primary care providers (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-variables/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 | -- |