**Table 3 Study recruitment and data collection procedures**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Timeline** | **Procedures** | | | **Data collected**  **(Intervention and Control Groups)** |  |
| **Nurse** | | **Researcher**  **(for Intervention and Control Groups)** |
| Routine nurse home visit at which participation invited | (intervention and Control Group) Introduces study; invites participation. Obtains verbal consent. Completes eligibility questionnaire. Gives carer baseline questionnaires to complete later. Forwards patient contact details to researcher.  Patient pain assessment at baseline. | |  | **Patient BPI-SF** | baseline |
| Within several days phone call and collection of carer baseline data |  | | Provides verbal information on study.  Arranges home visit to deliver study information sheets and collect self-completed carer baseline questionnaires. Obtains written consent (patient and carer) | **Carer** **FPQ, self-efficacy, CSI, POMS-SF**  Written consent |
| After baseline data received, next nurse routine home visit | **Control group**  usual care  Patient pain assessment | **Intervention group**  usual care **+ CCMM**  nurse completes reflective record  Patient pain assessment |  | Nurse reflective record (Intervention Group only) |  |
| One week after nurse visit/intervention | Routine contacts: usual care  Patient pain assessment | Routine contacts: usual care **+ CCMM**  Patient pain assessment | Face-to-face meeting with carer at home.  Collects completed carer questionnaires and demographic profile. Interviews carer. | **Carer FPQ, self-efficacy, CSI**  Carer demographics  Carer interview  **Patient BPI-SF** | week 1 |
|  | Reviews patient medical record | Patient demographic and clinical details |  |
| Four weeks after nurse visit/ intervention | Face-to-face meeting with carer at home.  Interviews carer.  Collects completed carer questionnaires. | **Carer FPQ, self-efficacy, CSI**  Carer interview  **Patient BPI-SF** | week 4 |
| After end of study data collection period | (Intervention and Control Group) Nurses invited to take part in interview | | Interviews nurse in work setting | Nurse interview |  |

BPI-SF - Brief Pain Inventory Short Form (Cleeland 1991)

FPQ –Family Pain Questionnaire (Ferrell 2000)

Self-efficacy - Problem-solving caregiver self-efficacy (Zeiss et al 1999)

CSI - Carer Strain Index (Robinson 1983)

POMS-SF Profile of Mood States Short Form (Curran et al 1995)