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

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| **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 carePatient pain assessment | **Intervention group** usual care **+ CCMM**nurse completes reflective recordPatient pain assessment |  | Nurse reflective record (Intervention Group only) |  |
| One week after nurse visit/intervention | Routine contacts: usual carePatient 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)