Table S1: Disability in women due to musculoskeletal pains in rural Gadchiroli measured on the HAQ* scale

(n = 323)

| Question                                   | No difficulty% | Mild difficulty% | Moderate to severe difficulty% | Cannot do at all % |
|---------------------------------------------|----------------|------------------|--------------------------------|--------------------|
| Wearing Clothes                            | 48             | 27               | 24                             | 0                  |
| Sleeping and Getting Up From Wooden Bed    | 18             | 41               | 41                             | 0                  |
| Lifting a Full Glass or Cup To Mouth       | 74             | 20               | 6                              | 0                  |
| Walking On Plain Ground                    | 37             | 38               | 24                             | 0                  |
| Bathing and Wiping Body To Dry             | 52             | 31               | 17                             | 1                  |
| Sitting To Defecate Or On The Floor Folding Legs | 28           | 36               | 31                             | 6                  |
| Bending Down To Lift Things                | 34             | 43               | 22                             | 1                  |
| Using The Tap                              | 80             | 13               | 6                              | 1                  |
| Boarding and Getting down From Bus Or Anyother Vehicle | 32           | 42               | 25                             | 2                  |
| Walking 3 km.                              | 22             | 37               | 32                             | 9                  |
| Shopping in Vegetable Market or Grocery    | 39             | 26               | 21                             | 14                 |
| Climbing Few Steps                         | 25             | 34               | 29                             | 11                 |

* HAQ: Health Assessment Questionnaire
Table S2: Disability in men due to musculoskeletal pains in rural Gadchiroli measured on the HAQ* scale

(n = 201)

| Question                                           | No difficulty % | Mild difficulty % | Moderate to severe difficulty % | Cannot do at all % |
|----------------------------------------------------|------------------|-------------------|----------------------------------|-------------------|
| Wearing Clothes                                   | 61               | 24                | 13                               | 2                 |
| Sleeping and Getting Up From Wooden Bed           | 31               | 49                | 19                               | 0                 |
| Lifting a Full Glass or Cup To Mouth              | 76               | 19                | 5                                | 0                 |
| Walking On Plain Ground                           | 48               | 32                | 17                               | 2                 |
| Bathing and Wiping Body To Dry                     | 51               | 32                | 16                               | 1                 |
| Sitting To Defecate Or On The Floor Folding Legs  | 24               | 41                | 27                               | 7                 |
| Bending Down To Lift Things                       | 50               | 33                | 16                               | 0                 |
| Using The Tap                                      | 80               | 16                | 4                                | 0                 |
| Boarding and Getting down From Bus Or Anyother Vehicle | 38               | 41                | 19                               | 1                 |
| Walking 3 km.                                      | 22               | 41                | 30                               | 6                 |
| Shopping in Vegetable Market or Grocery            | 33               | 33                | 26                               | 8                 |
| Climbing Few Steps                                 | 22               | 33                | 37                               | 7                 |

* HAQ: Health Assessment Questionnaire
### Table S3: HAQ Questionnaire

**Ask the following questions if the respondent has pain in hands/legs/joints/limbs**

| Sr. No | Daily Activities                                      | Able to do without any problem | A little problem while doing | More problem while doing | Not able to do | Score |
|--------|-------------------------------------------------------|---------------------------------|-------------------------------|--------------------------|-----------------|-------|
| 1      | Wearing own clothes                                   |                                 |                               |                          |                 | 0     |
| 2      | Sleeping on bed and getting up                        |                                 |                               |                          |                 | 1     |
| 3      | Lifting a full glass or cup to mouth                  |                                 |                               |                          |                 | 2     |
| 4      | Walking on plain land                                 |                                 |                               |                          |                 | 3     |
| 5      | Taking bath and wiping the body                       |                                 |                               |                          |                 | 0     |
| 6      | Squatting to defecate Or sitting on the floor folding legs |                               |                               |                          |                 | 1     |
| 7      | Bending down to lift things                           |                                 |                               |                          |                 | 2     |
| 8      | Opening and stopping the tap                          |                                 |                               |                          |                 | 3     |
| 9      | Boarding or getting down from bus or any vehicle      |                                 |                               |                          |                 | 0     |
| 10     | Walking 3 KM.                                         |                                 |                               |                          |                 | 1     |
| 11     | Buying goods from shops or vegetable markets           |                                 |                               |                          |                 | 2     |
| 12     | Climbing few steps                                    |                                 |                               |                          |                 | 3     |

**Maximum score = 36**

**No. of incorrect entries in the form =**
Obtained score =
Percentage =
### Table S4: RIALQ to measure activity limitation due to back pain in men

|^|**SEARCH**|**|^|
|---|---|---|
|**Male**| | |
|Sr. No| Activities males cannot do due to back pain | A little | Medium | Too much | Disabled |
|---|---|---|---|---|---|
|1| Do you face difficulties in farming tasks (ploughing, harvesting) due to back pain? | | | | |
|2| Do you face difficulties in cutting wood due to back pain? | | | | |
|3| Do you face difficulties travelling by bus due to back pain? | | | | |
|4| Do you face difficulties in lifting by bending and lifting and carrying heavy things on head due to back pain? | | | | |
|5| Do you face difficulties in squatting for toilet and getting up after due to back pain? | | | | |
|6| Do you face difficulties in sitting straight or upright due to back pain? | | | | |
|7| Do you face difficulties in sitting for a long time due to back pain? | | | | |
|8| Do you face difficulties in standing for a long time due to back pain? | | | | |
|9| Do you have problems in regular walking due to back pain? (Unable to walk as before or as usual) | | | | |
|10| Do you feel it is difficult to move inside of pond or riverbed or walk across the farm land due to back pain? Do you need support of stick or other person during such? | | | | |
|11| Do you sleep well in presence of back pain? | | | | |
|---|---|---|---|---|---|
|Total| | | | | |

A little : Has pain but is able to works as usual
Medium: Has pain, and can only partially work
Too Much : Has pain and unable to any work at all.
Disabled : Has to only sleeps / lie down due to pain.
Table S5: RIALQ to measure activity limitation due to back pain in women

**SE**ARCH**

| Sr. No | Activities males cannot do due to back pain                                                                 |
|--------|-----------------------------------------------------------------------------------------------------------|
| 1      | Do you have trouble in doing the household works (sweeping, cooking or washing clothes) due to back pain? |
| 2      | Do you have difficulties in drawing water from well or bore well?                                         |
| 3      | Do you have difficulties in doing works of farming (sowing, cutting paddy or grass) due to back pain?    |
| 4      | Do you have difficulties in lifting heavy things as wood logs, grass or water pots by bending or carrying on head due to back pain? |
| 5      | Do you face difficulties in sitting upright or straight due to back pain?                                 |
| 6      | Do you face difficulties in squatting for toilet and getting up due to back pain?                          |
| 7      | Do you face difficulties in sitting for a long time due to back pain?                                     |
| 8      | Do you face difficulties in standing for a long time due to back pain?                                    |
| 9      | Do you have problems in regular walking due to back pain? (Unable to walk as before or as usual)         |
| 10     | Do you feel that back pain makes it difficult to move inside of pond, riverbed or walking farm land? Do you need support of stick or other person while moving in these areas? |
| 11     | Do you sleep well in presence of back pain?                                                               |

Total
A little: Has pain but is able to works as usual
Medium: Has pain, and can only partially work
Too Much: Has pain and unable to any work at all.
Disabled: Has to only sleeps / lie down due to pain.