

Postural Analyses of Coal Mining in Low Working Heights:
Effect of Working Height and Job Type

- 1. Subject Code _____
- 2. Date _____
- 3. Time _____
- 4. Height (feet +inches) _____ (meters) _____
- 5. Weight (lbs) _____ (kilograms) _____
Body Mass Index (kg/m²) _____
- 6. Age (years) _____
- 7. Time in job (years) _____
- 8. Time in low height mines (years) _____
- 9. Type of knee pad used _____
- 10. Side SCSR is worn on _____
- 11. Side cap lamp battery is worn on _____
- 12. How control is worn _____
- 13. Weight of mining belt (lbs) _____ (kilograms) _____

Items worn on mining belt: _____

Least physically demanding task that you perform on a daily basis: _____

Most physically demanding task that you perform on a daily basis: _____

Comments on knee pads used. _____

How often do you clean your knee pads?

How do you clean them?

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintain the data needed, and completing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-XXXX).

Subjects will be asked the following questions by a NIOSH representative. This data will be used to determine whether or not an injury to the knee may have influenced the postures utilized by the subject.

Check all that apply:

___ Diagnosed knee injury:_____

___ Pain/Redness/Swelling in front of knee

___ Infection/ Hardening at the front of knee

___ Popping feeling in knee






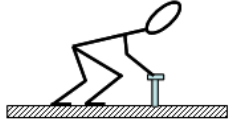
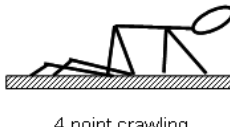





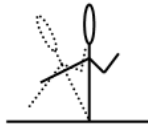



___ Pain inside the knee

___ Catching/Locking of knee

___ Instability/Feeling like knee is going to give away

___ Knee stiffness after waking up

___ General knee weakness

<p>1</p>  <p>Kneeling near full flexion</p>	<p>2</p>  <p>Kneeling near 90° flexion</p>	<p>3</p>  <p>Kneeling on one knee</p>	<p>4</p>  <p>Squatting</p>
<p>5</p>  <p>2 point crawling</p>	<p>6</p>  <p>3 point walking – with object</p>	<p>7</p>  <p>4 point crawling</p>	<p>8</p>  <p>Duck Walking</p>
<p>9</p>  <p>Any above posture with $\geq 45^\circ$ twisting at waist</p>	<p>10</p>  <p>Any above posture with forceful PUSH/PULL exertion of arm</p>	<p>11</p>  <p>Any above posture with forceful SWINGING exertion of arm</p>	<p>12</p>  <p>Any above posture with forceful exertion of leg</p>
<p>13</p>  <p>Any above posture with leaning to left</p>	<p>14</p>  <p>Any above posture with leaning to right</p>	<p>15</p>  <p>Any above posture with an object other than a control in either hand</p>	<p>16</p>  <p>Reaching</p>

Please check all tasks that you perform on a daily basis.

- Building stoppings
- Rock dusting
- Scooping/clean up
- Bolting where unfinished
- Advancing power load center
- Moving/advancing belt (where applicable)
- Changing miner bits
- Other (please explain) _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____

Task: _____

How many hours do you spend performing this task on a daily basis? _____

Which two postures from the above chart (1-16) do you use most often?

a) _____ b) _____

What percentage of your time is spent in each posture (a, b)?

a) _____ % b) _____ %

Did the subject indicate that they used an obscure posture (posture not on list)?

If so, please describe. _____
