

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?

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






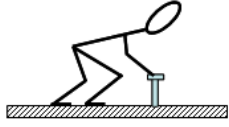


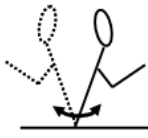



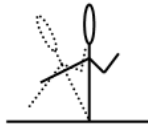
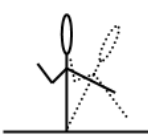
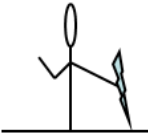
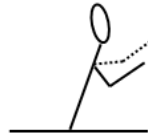
___ Pain inside the knee

___ 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. _____
