Assessment to determine productive sectors (departments) eligibility

n= 1.897 workers
n= 10 departments

excluded for not meeting the eligibility criteria
n= 940 workers
n= 6 departments

n= 957 workers
n= 4 departments

Randomization by Cluster (departments and Shifts)
n= 957

Control Group
Ergonomic Guidelines
n= 2 departments
n= 453 workers

Informed consent; Application of baseline questionnaires

Absence from work due to sick leave; Musculoskeletal symptoms; Psychosocial factors and fatigue; General Health; Productivity

3, 6, 9 e 12-months follow-up

Intervention Group
Job Rotation + Ergonomic Guidelines
n= 2 departments
n= 504 workers

Informed consent; Application of baseline questionnaires

Absence from work due to sick leave; Musculoskeletal symptoms; Psychosocial factors and fatigue; General Health; Productivity

Cluster Allocation