

Draft - Wyoming's Occupational Projections Methodology Outline 2011.

Part 1 of Wyoming's Projections Methodology (completed and submitted to ETA for review)

Historic data are compiled by sub-state region (6 in Wyoming), detailed industry (3-digit NAICS code), and month for the last 10 years.



The historic data are used to project employment over the next decade. Projections are based on simple linear regression models blended at 80.0% for the last decade and 20.0% for the last 2 years.



Part 2 of Wyoming's Projections Methodology (Currently being written)

Replacements due to retirement are estimated using an administrative database containing date of birth and employment history by sub-state region and detailed industry. Retirement age is operationally defined as 65. Therefore, individuals that are 55 or older and attached to the same employer for the previous 4 quarters are placed in our replacement due to retirement pool.



Add Replacement tabulations for those 55 years or older that are likely to retire or exit for other reasons and attached persons that permanently exit the labor force.



An annual permanent exit rate for individuals attached to the same employer for four consecutive quarters is estimated by mining an administrative database that includes employment history and excludes individuals 55 years and older by sub-state region and detailed industry. The rate is calculated by dividing the number of individuals attached for four quarters that leave Wyoming's labor force by all that are attached for four quarters (both leavers and stayers).



Part 3 of Wyoming's Projections Methodology (pending)

Data are compiled from the most recent Occupational Employment Statistics survey which includes employment by occupation at the sub-state region and detailed industry level.



Combine the sub-state region by detailed industry projections (part 1), the replacement data (part 2), and the OES data (part 3) by joining the data on sub-state region and industry.



Distribute the employment projections and replacement data proportionally across the occupational distribution at the sub-state region and detailed industry level from the OES.



Aggregate data to the sub-state region by occupation level, major industry by occupation level, and statewide all industry level. Suppressions are determined by confidentiality flags from the OES program.