

# Labor in the Food System

## Local and Regional Food Systems (LRFS) Data Warehouse Project



### Overview

This document is one component in the creation of a Local and Regional Food Systems (LRFS) Data Warehouse to support thriving and informed local and regional food sectors. Teams of researchers and community partners reviewed and compiled available data using an equity lens into a single data warehouse to facilitate analysis and visualization.

Our LRFS Data Warehouse contains data indicators related to labor in the food system that can help researchers, practitioners, and policymakers better understand how labor is structured with regards to employment, wages, working conditions, and outcomes at the county scale across the United States through a lens of equity along sectoral, racial, ethnic, gender, and citizenship dimensions.

### These data include:

- **Employment data**, which document employment by sector. Data may be used to understand employment rates by sector.
- **Wages data**, which document wages by sector – including hourly and annual. Data may be used to understand disparities in wages across food system sectors.
- **Working conditions data**, which documents hours worked, occupational injuries and illnesses, and access to health insurance. Data may be used to understand in what sectors employees may be especially vulnerable to disruptions either at the household or society level.

### Narrative Matters - Working towards equity

Not all employees have the same opportunities to safe, healthy, supportive, and financially viable employment. Food system employment is often characterized by stagnant wages, poor working conditions, a lack of benefits, health and safety issues, and mistreatment at work. Food system labor data are categorized by sector, race, ethnicity, gender, and citizenship status.

Site users are encouraged to acknowledge the systemic factors that influence employment, and to seek out opportunities to support policy and program changes that improve labor conditions for all food system workers. When presenting data, we encourage disaggregation by individual sector, race, ethnicity, gender, and citizenship status wherever possible. Aggregation of data can mask important differences that might be relevant for understanding needs and crafting adequate program and policy solutions. We also encourage the use of practices that invite community members to help contextualize data, share their personal stories, and amplify community solutions.

The following data are included in the data warehouse. While there are certainly more data on this topic, these data sets are national in scope, complete, and publicly available. We expect that more data will be submitted and added to the warehouse upon its release.

## LRFS Data Warehouse Labor in the Food System Measures

Topic Area	Variable	Data Source	Link
Employment	Employment level, annual average, NAICS 111 Crop production	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 112 Animal production and aquaculture	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 114 Fishing, hunting and trapping	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 115 Agriculture and forestry support activities	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 311 Food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3111 Animal food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3112 Grain and oilseed milling	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3113 Sugar and confectionery product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3114 Fruit and vegetable preserving and specialty	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3115 Dairy product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3116 Animal slaughtering and processing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3117 Seafood product preparation and packaging	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3118 Bakeries and tortilla manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 311811 Retail bakeries	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Employment	Employment level, annual average, NAICS 3119 Other food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3121 Beverage manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 3122 Tobacco manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 32532 Pesticide and other ag. chemical mfg.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 33311 Agricultural implement manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4244 Grocery and related product wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4245 Farm product raw material merch.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4248 Alcoholic beverage merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 42491 Farm supplies merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 445 Food and beverage stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4451 Grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 44511 Supermarkets and other grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 44512 Convenience stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4452 Specialty food stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 4453 Beer, wine, and liquor stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Employment	Employment level, annual average, NAICS 484 Truck transportation	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 493 Warehousing and storage	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 722 Food services and drinking places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 7223 Special food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 722320 Caterers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 722330 Mobile food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 7224 Drinking places, alcoholic beverages	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 7225 Restaurants and other eating places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Employment level, annual average, NAICS 722511 Full-service restaurants	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 111 Crop production	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 112 Animal production and aquaculture	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 114 Fishing, hunting and trapping	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 115 Agriculture and forestry support activities	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 311 Food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3111 Animal food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3112 Grain and oilseed milling	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Employment	Establishments, annual average count, NAICS 3113 Sugar and confectionery product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3114 Fruit and vegetable preserving and specialty	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3115 Dairy product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3116 Animal slaughtering and processing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3117 Seafood product preparation and packaging	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3118 Bakeries and tortilla manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 311811 Retail bakeries	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3119 Other food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3121 Beverage manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 3122 Tobacco manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 32532 Pesticide and other ag. chemical mfg.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 33311 Agricultural implement manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4244 Grocery and related product wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4245 Farm product raw material merch.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4248 Alcoholic	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
	beverage merchant wholesalers		
Employment	Establishments, annual average count, NAICS 42491 Farm supplies merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 445 Food and beverage stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4451 Grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 44511 Supermarkets and other grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 44512 Convenience stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4452 Specialty food stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 4453 Beer, wine, and liquor stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 484 Truck transportation	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 493 Warehousing and storage	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 722 Food services and drinking places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 7223 Special food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 722320 Caterers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 722330 Mobile food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 7224 Drinking places, alcoholic beverages	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Establishments, annual average count, NAICS 7225 Restaurants and other eating places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Employment	Establishments, annual average count, NAICS 722511 Full-service restaurants	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 111 Crop production	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 112 Animal production and aquaculture	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 114 Fishing, hunting and trapping	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 115 Agriculture and forestry support activities	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 311 Food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3111 Animal food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3112 Grain and oilseed milling	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3113 Sugar and confectionery product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3114 Fruit and vegetable preserving and specialty	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3115 Dairy product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3116 Animal slaughtering and processing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3117 Seafood product preparation and packaging	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3118 Bakeries and tortilla manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 311811 Retail bakeries	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3119 Other food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3121 Beverage manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 3122 Tobacco manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

# LRFS Data Warehouse Labor in the Food System Measures

Topic Area	Variable	Data Source	Link
Employment	Location quotient, NAICS 32532 Pesticide and other ag. chemical mfg.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 33311 Agricultural implement manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4244 Grocery and related product wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4245 Farm product raw material merch.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4248 Alcoholic beverage merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 42491 Farm supplies merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 445 Food and beverage stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4451 Grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 44511 Supermarkets and other grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 44512 Convenience stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4452 Specialty food stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 4453 Beer, wine, and liquor stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 484 Truck transportation	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 493 Warehousing and storage	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 722 Food services and drinking places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 7223 Special food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 722320 Caterers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 722330 Mobile food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>



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Topic Area	Variable	Data Source	Link
Employment	Location quotient, NAICS 7224 Drinking places, alcoholic beverages	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 7225 Restaurants and other eating places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Location quotient, NAICS 722511 Full-service restaurants	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Employment	Farmers, ranchers, ag managers, Male	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Food preparation, serving occupations, Male	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Farming, fishing, forestry occupations, Male	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Farmers, ranchers, ag managers, Female	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Food preparation, serving occupations, Female	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Farming, fishing, and forestry occupations, Female	U.S. Census Bureau American Community Survey Table, B24010, SEX BY OCCUPATION FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER, 2019 1-year estimate	<a href="https://data.census.gov/cedsci/table?q=B24010">https://data.census.gov/cedsci/table?q=B24010</a>
Employment	Labor, hired agricultural workers	U.S. Department of Agriculture, National Agricultural Statistics Service, 2017 Census of Agriculture	<a href="https://www.nass.usda.gov/Publications/AgCensus/2017/index.php">https://www.nass.usda.gov/Publications/AgCensus/2017/index.php</a>
Employment	Labor, agricultural migrant workers	U.S. Department of Agriculture, National Agricultural Statistics Service, 2017 Census of Agriculture	<a href="https://www.nass.usda.gov/Publications/AgCensus/2017/index.php">https://www.nass.usda.gov/Publications/AgCensus/2017/index.php</a>
Employment	Labor, unpaid agricultural workers	U.S. Department of Agriculture, National Agricultural Statistics Service, 2017 Census of Agriculture	<a href="https://www.nass.usda.gov/Publications/AgCensus/2017/index.php">https://www.nass.usda.gov/Publications/AgCensus/2017/index.php</a>
Wages	Wages, total annual, NAICS 111 Crop production	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Wages	Wages, total annual, NAICS 112 Animal production and aquaculture	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 114 Fishing, hunting and trapping	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 115 Agriculture and forestry support activities	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 311 Food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3111 Animal food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3112 Grain and oilseed milling	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3113 Sugar and confectionery product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3114 Fruit and vegetable preserving and specialty	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3115 Dairy product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3116 Animal slaughtering and processing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3117 Seafood product preparation and packaging	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3118 Bakeries and tortilla manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 311811 Retail bakeries	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3119 Other food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3121 Beverage manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 3122 Tobacco manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 32532 Pesticide and other ag. chemical mfg.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 33311 Agricultural implement manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Wages	Wages, total annual, NAICS 4244 Grocery and related product wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 4245 Farm product raw material merch.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 4248 Alcoholic beverage merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 42491 Farm supplies merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 445 Food and beverage stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 4451 Grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 44511 Supermarkets and other grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 44512 Convenience stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 4452 Specialty food stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 4453 Beer, wine, and liquor stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 484 Truck transportation	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 493 Warehousing and storage	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 722 Food services and drinking places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 7223 Special food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 722320 Caterers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 722330 Mobile food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 7224 Drinking places, alcoholic beverages	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wages, total annual, NAICS 7225 Restaurants and other eating places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

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Topic Area	Variable	Data Source	Link
Wages	Wages, total annual, NAICS 722511 Full-service restaurants	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 111 Crop production	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 112 Animal production and aquaculture	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 114 Fishing, hunting and trapping	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 115 Agriculture and forestry support activities	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 311 Food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3111 Animal food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3112 Grain and oilseed milling	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3113 Sugar and confectionery product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3114 Fruit and vegetable preserving and specialty	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3115 Dairy product manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3116 Animal slaughtering and processing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3117 Seafood product preparation and packaging	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3118 Bakeries and tortilla manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 311811 Retail bakeries	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3119 Other food manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3121 Beverage manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 3122 Tobacco manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

# LRFS Data Warehouse Labor in the Food System Measures

Topic Area	Variable	Data Source	Link
Wages	Wage, average weekly, NAICS 32532 Pesticide and other ag. chemical mfg.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 33311 Agricultural implement manufacturing	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4244 Grocery and related product wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4245 Farm product raw material merch.	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4248 Alcoholic beverage merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 42491 Farm supplies merchant wholesalers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 445 Food and beverage stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4451 Grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 44511 Supermarkets and other grocery stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 44512 Convenience stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4452 Specialty food stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 4453 Beer, wine, and liquor stores	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 484 Truck transportation	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 493 Warehousing and storage	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 722 Food services and drinking places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 7223 Special food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 722320 Caterers	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 722330 Mobile food services	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>

# LRFS Data Warehouse Labor in the Food System Measures

Topic Area	Variable	Data Source	Link
Wages	Wage, average weekly, NAICS 7224 Drinking places, alcoholic beverages	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 7225 Restaurants and other eating places	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Wage, average weekly, NAICS 722511 Full-service restaurants	U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages	<a href="https://www.bls.gov/cew/downloadable-data-files.htm">https://www.bls.gov/cew/downloadable-data-files.htm</a>
Wages	Median earnings, food preparation, serving occupations, Male	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>
Wages	Median earnings, farming and fishing occupations, Male	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>
Wages	Median earnings, food preparation, serving occupations, Female	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>
Wages	Median earnings, farming and fishing occupations, Female	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>
Wages	Median earnings, food preparation, serving occupations, Female earnings as a percent of Male	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED POPULATION 16 YEARS AND OVER	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>
Wages	Median earnings, farming and fishing occupations, Female earnings as a percent of Male	U.S. Bureau of Labor Statistics, American Community Survey, S2411 OCCUPATION BY SEX AND MEDIAN EARNINGS IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS) FOR THE CIVILIAN EMPLOYED	<a href="https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411">https://data.census.gov/cedsci/table?q=S2411%3A%20OCCUPATION%20BY%20SEX%20AND%20MEDIAN%20EARNINGS%20IN%20THE%20PAST%2012%20MONTHS%20%28IN%202019%20INFLATION-ADJUSTED%20DOLLARS%29%20FOR%20THE%20CIVILIAN%20EMPLOYED%20POPULATION%2016%20YEARS%20AND%20OVER&amp;g=0100000US,%240500000&amp;y=2020&amp;tid=ACSST5Y2020.S2411</a>

# LRFS Data Warehouse Labor in the Food System Measures

Topic Area	Variable	Data Source	Link
		POPULATION 16 YEARS AND OVER	

Table 1. Relevant NAICS Code and CPS Industry Code.

	Industry description	NAICS Industry Code	CPS/Census Industry Code	
Production	Crop Production	111	170	
	Animal Production	112	180	
	Fishing, Hunting, and Trapping	114	280	
	Support Activities for Crop and Animal Production	115	290	
Processing	Animal Food Processing	3111	1070	
	Grain and Oilseed Milling	3112		
	Sugar and Confectionary Product Manufacturing	3113	1080	
	Fruit and Vegetable Preserving and Specialty Food Manufacturing	3114	1090	
	Dairy Product Manufacturing	3115	1170	
	Animal Slaughtering and Processing	3116	1180	
	Seafood Product Preparation and Packaging	3117	1280	
	Bakeries and Tortilla Manufacturing (except Retail Bakeries)	3118	1270	
	Other Food Manufacturing	3119	1290	
	Beverage Manufacturing	3121	1370	
	Tobacco Manufacturing	3122	1390	
	Agricultural Chemical Manufacturing	3153	2180	
	Agricultural Implement Manufacturing	33311	3070	
	Distribution	Grocery and Related Product Merchant Wholesalers	4244	4470
Farm Product Raw Materials, Merchant Wholesalers		4245	4480	
Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers		4148	4560	
Farm Supplies, Merchant Wholesalers		4149	4570	
Truck Transportation		484	6170	
Warehousing and Storage		493	6390	
Retail	Food and Beverage Stores	445		
	Grocery Stores	4451	4970	
	Specialty Food Stores	4452	4980	
	Beer, Wine, and Liquor Stores	4453	4990	
	Retail Bakeries	311811	1190	
Service	Food Service and Drinking Places	722		
	Special Food Services	7223		
	Drinking Places (Alcoholic Beverages)	7224	8690	
	Restaurants and Other Eating Places	7225	8680	



## Additional Measures

Expanded access to data is important for understanding conditions related to labor in the food system. Listed here are additional data indicators that are recommended for inclusion but are currently not available or require a subscription to access at the county-level. If these data become available, it is recommended that they be added to the data warehouse. Check out the project website for additional information about how to submit suggestions and additions to the warehouse.

### Employment

The USDA National Agricultural Workers Survey was collected annually from October 1988 to September 2018 in 48 states and 752 counties from employees in the Crop Production and Support Activities for Crop Production NAICS codes. The data is only reported at the multi-state regional level, except for California at the state level.

### Wages

Tips by hourly employees

### Working conditions

Rate of workplace incidents by sector

Number of hours worked weekly by sector

Union participation by sector

Health insurance enrollment by sector

### Outcomes

Food workers who experience hunger

Food system workers participation in food access programs

Food system workers utilization of public assistance, an important potential outcome of low and/or stagnate wages

## Related sources and referenced databases

Besky, S. & Brown S. (2015). [Looking for Work: Placing Labor in Food Studies](#). Labor: Studies in Working-Class History of the Americas. Vol. 12, No. 1.

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U.S. Bureau of Labor Statistics. (2021). [Quarterly Census of Employment and Wages \(QCEW\)](#).

U.S. Department of Agriculture. (2017). National Agricultural Statistics Service. Agricultural Census.