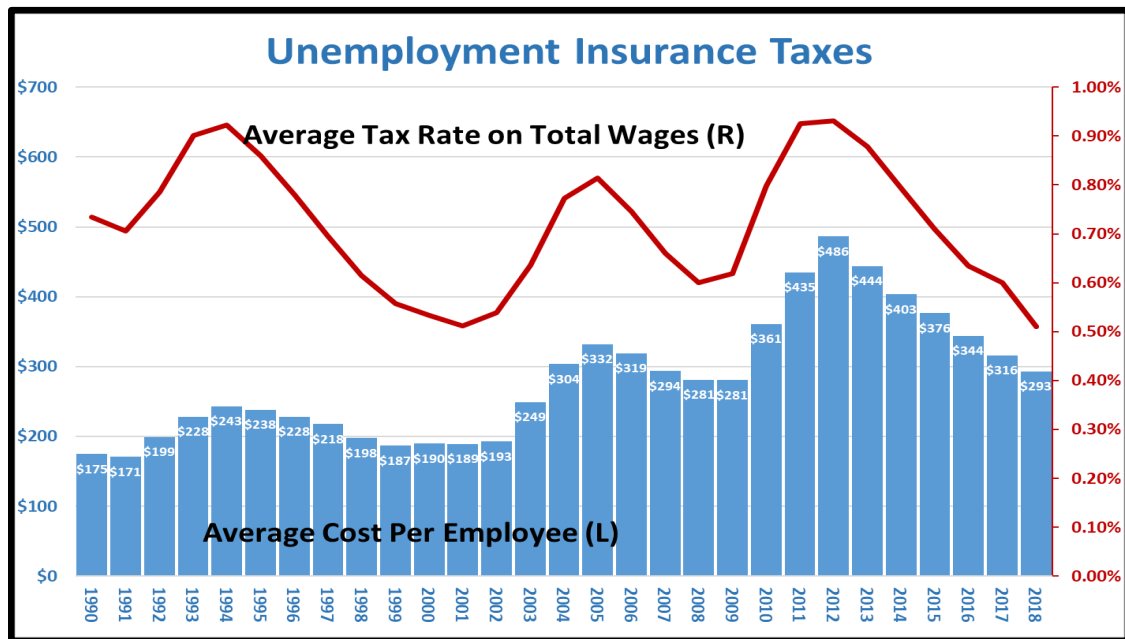


STATE UNEMPLOYMENT INSURANCE

TAX MEASURES REPORT

2018



**U.S. Department of Labor
Office of Unemployment Insurance
Division of Fiscal and Actuarial Services**

March 2019

View this report online at:
https://oui.doleta.gov/unemploy/sig_measure.asp

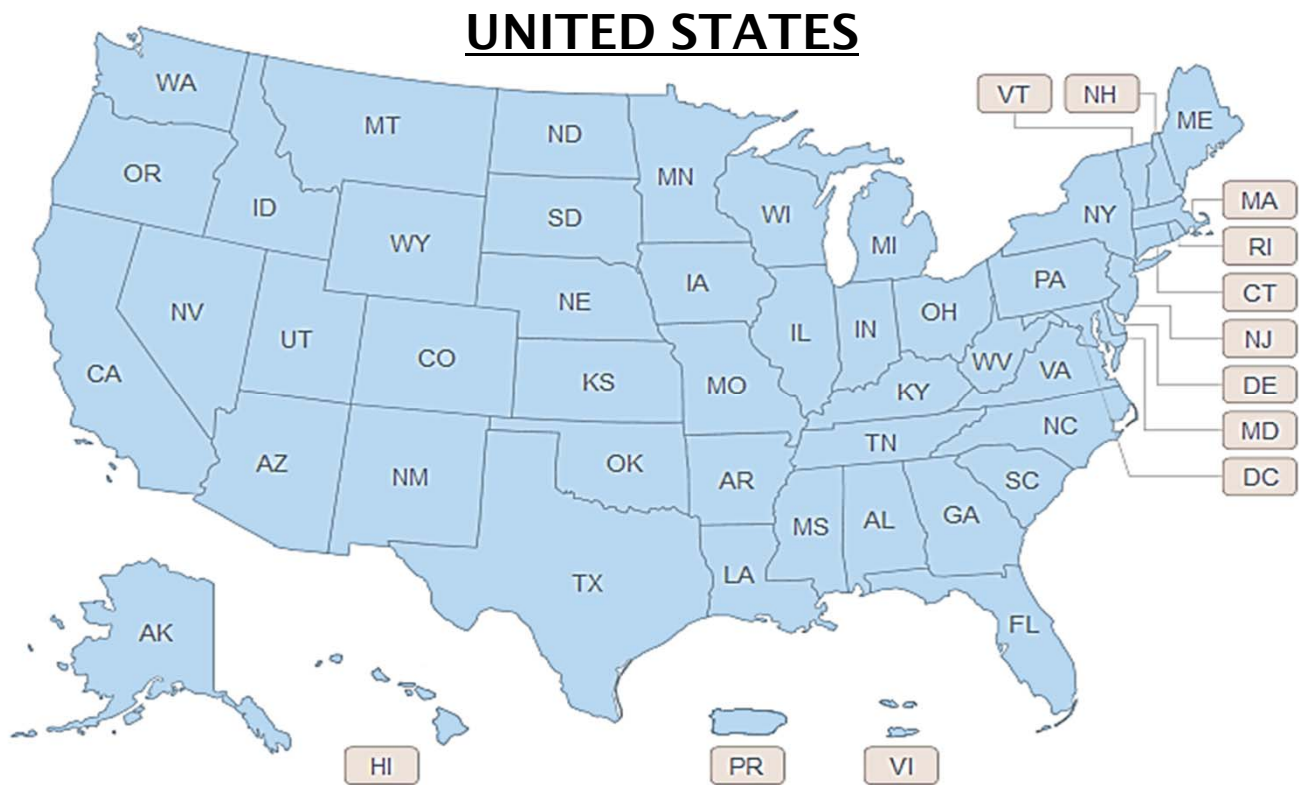
TAX MEASURES REPORT

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[CLICK ON DESIRED STATE:](#)



Note: Blank cells appearing in any section of this report indicates that information is unavailable.

State UI Tax Measures Report

2018 Highlights

The measures in this report describe the 2018 tax rate year amounts for each state. Forty-six states and three jurisdictions have employer tax rates that were assigned beginning in January 1, 2018 and went to December 31, 2018. Four states have employer tax rates assigned from July 1, 2017 to June 30, 2018. For this period:

- **On average UI taxable employers paid \$293 per employee in UI taxes, which was equivalent to \$0.51 per every hundred dollars paid in wages. This represents a 6% decrease from 2017, when employers paid an average of \$313 per employee.**
- **Seventy-five percent of taxable employers paid a total UI tax bill at or below \$0.50 per hundred dollars of wages paid, (fifteen states had a minimum tax rate of 0% assigned to employers). On the higher end, less than 1 percent of taxable employers paid a UI tax bill that was over \$2.00 per hundred dollars paid in wages.**
- **Five percent of the total benefits paid were made to claimants that were laid off from firms that went out of business.**
- **Seven percent of total benefits were paid to claimants who were laid off from a non-taxed reimbursable employer (Federal, state, or local government, or non-profit organization).**

Important Note:

In this publication of the 2018 Tax Measures Report the formula for the **Adequate Financing Rate** has been revised from its use in previous years.

The Adequate Financing Rate (AFR) is the average yearly level of taxation that would produce an adequately financed state program. The AFR is derived by calculating the tax rate equal to the amount of state revenue needed to cover an average level of benefits, (average of past six years), plus a solvency amount, (the difference between the state's current trust fund level (including loans) and the recommended minimum adequate solvency level).

In previous years the average level of benefits used in this formulation has been the average of the previous ten years in a state. This has been revised to the average of the last six years- not including any recessionary years. Also, still employed in this measure is that when a state is over 50% greater than the recommended minimum solvency level (over 1.5 Average High Cost Multiple (AHCM)) then the difference between their solvency level and the 1.5 AHCM is subtracted from the average benefit level, (see Data Definitions).

All of the previous year's publications have been revised to include this new formulation of the Adequate Financing Rate.

Report User Guide

Evaluating State Unemployment Insurance (UI) Tax Systems Using the Tax Measures Report

The publication of this yearly report provides an opportunity for interested users to evaluate and compare the primary functions of a state's UI tax structure. The wide range of methodologies and application of UI taxes across states creates a growing need to measure the differences and workings of these systems.

The following description is provided to assist users in effectively evaluating a state's UI tax structure. The individual state metrics in this report are divided into four sections: the first eight variables provide the primary **State Tax Structure Features**, the next five items cover the state's **Tax Levels**, followed by five variables on the **Benefits Assigned to Individual Employer Experience Rating** measures, and concluding with items on the **Distribution of Wages, Benefits, and Contributions**.

State Tax Structure Features

Items in this section provide an overview of the applicable laws for each state's UI tax structure, together with the average tax rate in the state and the state's solvency level to begin the year.

Each state has the legal authority to set the type of ¹⁾**experience rating method** to apply in the formulation of employers' tax rates. The majority of states, thirty-one, use the Reserve Ratio experience rating methodology, the only method which gives credit to employers for the amount of contributions they have made. Eighteen states use the Benefit Ratio method, which exclusively uses the benefits assigned to individual employers in the rate formulation. Two states use the Benefit Wage Ratio method, which is based on assigning the prior wages earned of claimants to employers for rate assignment. One state employs the Payroll Decline method, which is based on measuring the difference in payroll decreases by quarter to measure experience and assign tax rates.

In addition to the type of experience rating method, states differ in the ²⁾**type of employer ranking** employed in the assignment of tax rates; eleven states assign UI tax rates by using a relative ranking of all employers, sometimes called the Array Method. Essentially these states assign tax rates based on how employers compare against each other in terms of their experience with unemployment. A pre-determined proportion of employers taxable wages are assigned to each tax rate interval within the state's tax schedule. The remaining states all use fixed intervals of their experience rating measure to place employers in tax rate groups.

Of the states that assign a claimant's benefits back to an employer to be used in their experience rating formulation (three states do not assign benefits back to individual employers at all) all use one of three ³⁾**types of assignment methods**. For claimants with multiple recent employers, thirteen states assign benefits to the most recent or principal employer, on the theory that this employer has primary responsibility for the unemployment. Based on the belief that unemployment results from

general conditions of the labor market, more than from a given employer's behavior, the largest number of states, thirty-four, assign benefits to employers in proportion to the base period wages earned. Five states assign benefits to base period employers in an inverse chronological order from which they occurred, generally up to a specified percentage of base period wages.

The ⁴**taxable wage base** is the maximum amount of an employee's yearly total wages that can be taxed for Unemployment Insurance purposes in the state. The ⁵**average tax rate** is calculated by dividing the total contributions of taxable employers by taxable or total wages. It represents the average rate an employer would face in the state. The ⁷**statutory minimum rate** is the tax rate on taxable wages that is assigned to those employers with the best experience rate, those laying off the fewest employees, the ⁷**maximum rate** is the rate on taxable wages that is assigned to the employers laying off the most employees. The ⁶**new employer rate** applies to firms that have only been in existence from one to three years and the specifics of each state rate can be found in the appendix. For all states this is a flat rate applied to all new employers.

Contribution Levels

Every state varies the level of its yearly tax rates based on its UI trust fund balance and the application of experience rated reductions and increases. The average tax rate is one measure of the overall level of contributions. The ⁹**contribution per covered employee** translates the average tax rate into a dollar figure to give a nominal view of this rate. Likewise, the ⁹**employer contribution for every \$100 of wages paid** shows the portion of wages that employers are paying in UI taxes, with most all states below one dollar. This amount signifies, on average, how much each taxable employer is paying yearly in taxes for each job. States with higher average contribution levels are collecting higher amounts, but they also may be paying higher levels of benefits or may have lower solvency levels, which can also be compared in this report.

Just comparing the minimum and maximum statutory tax rates in effect across states is not a clear indication of the applicable ranges in effect because each state may have a different taxable wage base. The ¹⁰**contributions per employee at the tax base** identifies the amount an employer assigned the minimum rate would pay for an employee earning at least the taxable wage base. A few states may have a zero value if the rates in effect for that year have a zero tax rate for the lowest rate applicable. Likewise, contributions at the maximum rate provides the amount an employer would pay for each employee earning at least the taxable wage base if they are assigned the maximum tax rate. The lowest amount a maximum-rated employer would pay per year is \$378 (5.4% times \$7,000 wage base) a year. For comparison between states it must be remembered that a significant number of employees, especially in high wage base states, would not be making the level of the wage base so the tax amount would be less.

States are continually paying UI benefits and receiving UI contributions with the difference between these monies being deposited or withdrawn from the UI trust fund. One way to compare the incoming and outgoing flows is to reduce the yearly totals to per dollar values by computing the ratio of benefits to contributions. For the ¹¹**amount going to pay benefits in the previous computation year**, a value greater than one dollar means that benefits were greater than contributions and the difference is being taken from the UI trust fund. If the value is less than one, contributions are greater than

benefits and the remaining amount is being put into the UI trust fund. During periods of high unemployment and high solvency, states may reasonably have values above one, and during periods of low unemployment and low solvency, states will reasonably be expected to have values below one. Values opposite of these expectations may be a matter of concern and merit further examination.

In an attempt to measure the adequacy of a state's level of taxation it is necessary to arrive at a standard level of taxation which can be used as a level of comparison. In this report a ¹²⁾**comparison is made between the state's average tax rate for the year against the Minimum Adequate Level of Financing (AFR)**. The minimum adequate level of financing is calculated as the tax rate equal to the amount needed to cover the state's total benefit payments (average level of last six years) plus a solvency amount (difference between the state's current trust fund level (including loans) and the recommended minimum adequate level (a trust fund level equivalent to a 1.0 Average High Cost Multiple, which was recommended by the Advisory Council on Unemployment Insurance (1996)) divided by five (for the increment over the next five years)). The ¹³⁾**percentage difference between the state's average tax rate and the Minimum Adequate Financing Rate** shows how the state's current level of financing compares to the determined adequate level. A large negative number corresponds to a level of financing that is well below adequate. This measure can be combined with the level of solvency (Average High Cost Multiple) to suggest that a state may have an inadequate level of taxation if they have a large negative difference from the adequate financing rate and a low level of solvency.

It is important to note, if a state has made a recent reduction in benefit payments, either through its benefit formula or potential duration, then the adequate financing rate would not be representative of the new required revenue requirements, since it is relying on the average of the past six years of benefits for its construction.

Benefits Assigned to Individual Employer's Experience Rating

Of the ¹⁴⁾**total benefits paid**, all but three states assign a portion of these benefits paid to a so called "responsible" employer in order to formulate an experience rate and assign an individual tax rate. The ¹⁵⁾**total amount of benefits paid that are assigned to active employers' experience rating accounts** varies tremendously among states (between 50 and 90 percent of total benefits paid). It is important to note that the amount of benefits attributed to individual employer accounts is not the amount employers will pay in UI taxes, but only the amount used in the formulation of their final tax rates. Also, because of the various methods of assigning the so called socialized benefits back to employers, it is not necessarily true that a state with a relatively higher level of total benefits assigned to individual employers has a greater degree of experience rating.

The benefits assigned to individual employers are important for comparing yearly fluctuations in each category and comparing against estimated overall contribution levels. The level of ¹⁶⁾**Benefits assigned to inactive employers** shows the amount of benefits that have been assigned to employers that are no longer in business or considered active employers. A large proportion of inactive benefits may indicate more turbulent economic conditions or a changing pattern of employment composition. ¹⁷⁾**Reimbursable benefits** reflect the portion of benefits paid to claimants

from federal, state and local governments, and non-profit organizations, (these benefits are not included in the amount of total benefits paid value which is just from taxable employers).

All states limit the liability of the worst rated employers (those laying off the most employees) by putting a cap on how high the maximum tax rate may go. Due to this cap there will be a difference between the ¹⁸⁾**amount the maximum tax rate employers are assigned in benefits in the prior year and the estimated amount these employers pay in contributions during the current year**. The difference between these two values is often referred to as “ineffective benefit charges”, this amount is shown both as a nominal amount and as a percentage of the total benefits paid in the year. A higher percentage may indicate a serious financing issue that is attributable to a low level of the state’s maximum tax rate.

Distribution of Wages, Benefits, and Contributions

Using only the average tax rate to measure the tax burden can disguise a good deal of the actual distribution of tax rate assignment. Since for any single variable the data can be grouped in any number of various patterns above and below an average rate, displaying the actual distribution provides a much finer comparison.

The scale used for each variable distribution in this report is the so called effective tax rate or tax rate on total wages. It is derived by dividing total contributions for the year by the total wages. Effective tax rates are comparable across states because they are not affected by differences in the taxable wage base.

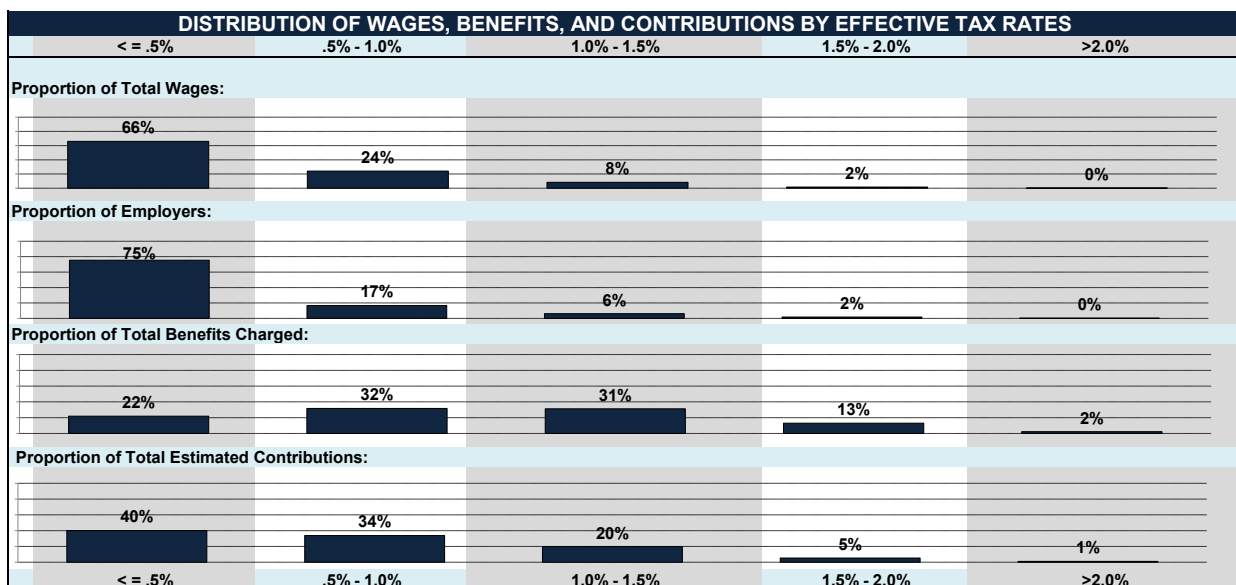
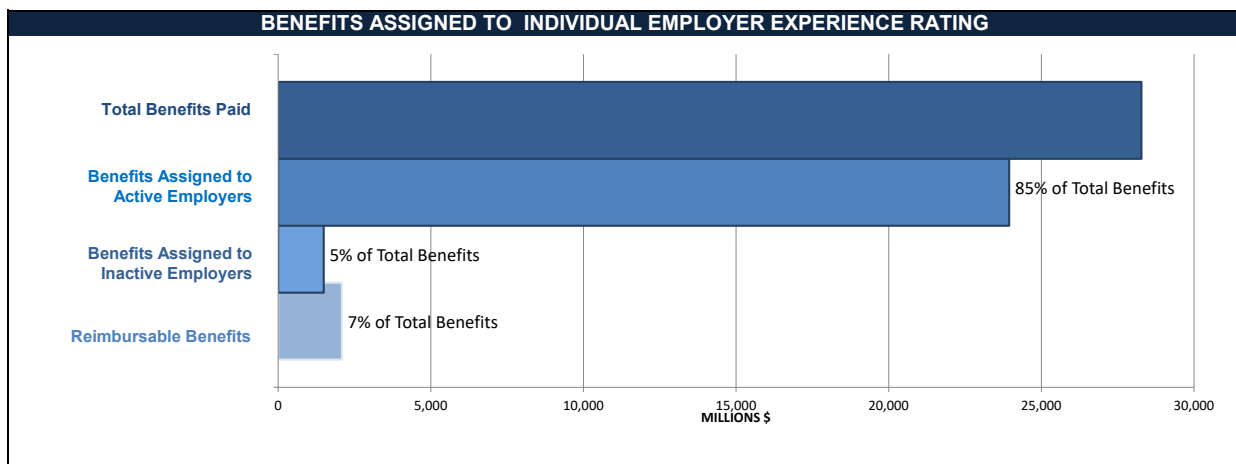
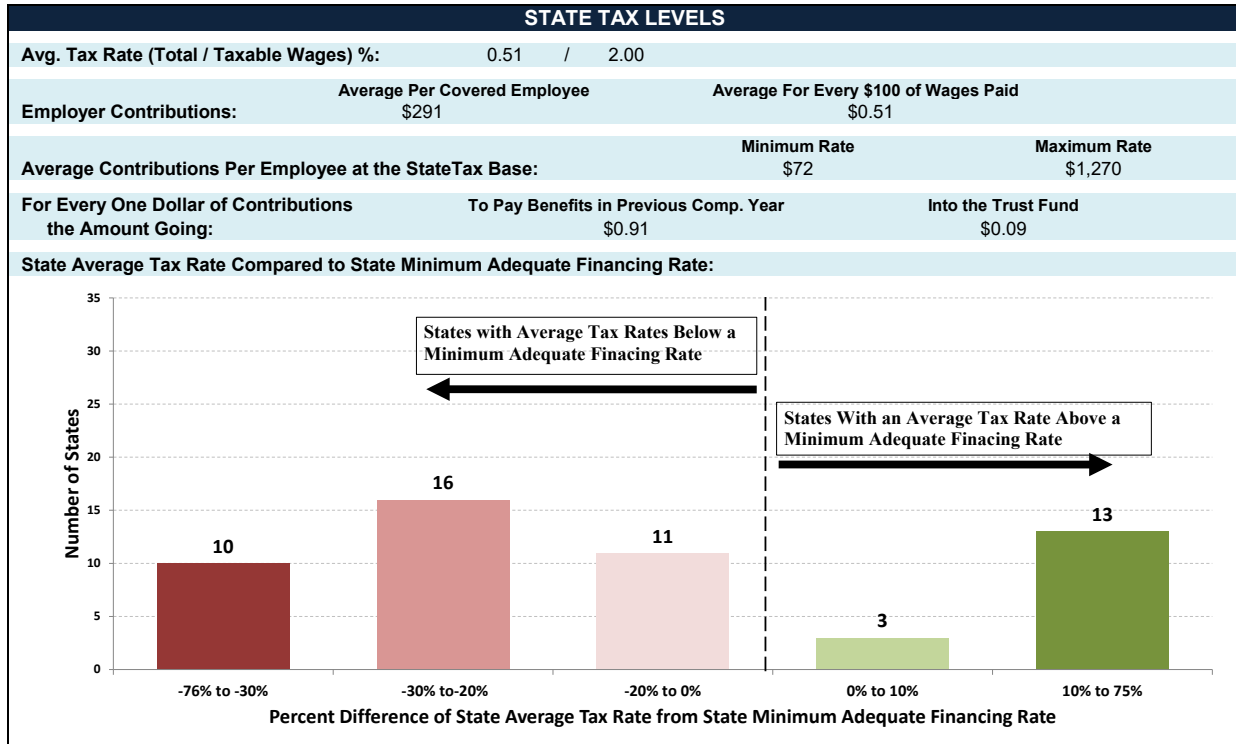
A high ¹⁹⁾**proportion of total wages** located under the lowest rates (0 - .5%) indicates employers with a high proportion of wages have very low tax rates. A high proportion of wages at the highest interval of > 2.0% indicates a large proportion of wages for employers assigned higher tax rates.

The ²⁰⁾**proportion of accounts** at each rate interval indicates the number of employers taxed at each interval. A larger share of wages than accounts in any one interval means a greater share of larger and/or higher-wage employers located at that interval, while a smaller share of wages than accounts in any one interval means a greater share of smaller and/or lower-wage employers located there.

Comparing the ²¹⁾**distribution of benefits charged** to the ²²⁾**distribution of contributions** provides further insight into the allocation of costs to those employers deemed “responsible.” All states will have a higher proportion of benefits charged in the highest tax categories compared to the proportion of contributions received at this interval, indicating the limited liability of the worst rated employers. Often those states with the largest difference between these distributions at the highest intervals also have a comparably large and opposite difference between the contributions received and benefits charged at the lowest levels in order to adequately fund their programs.

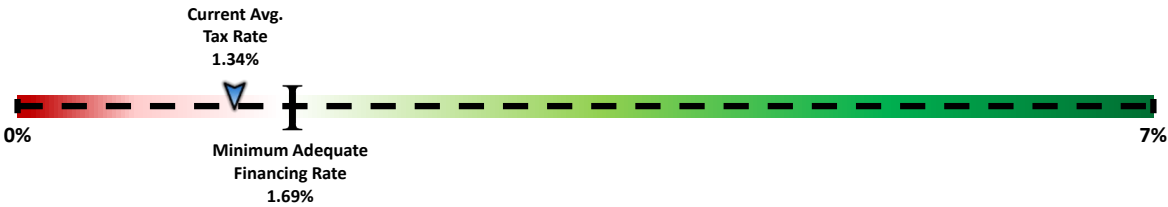
A precise definition of each measure can be found in the Data Definitions section at the end of the report.

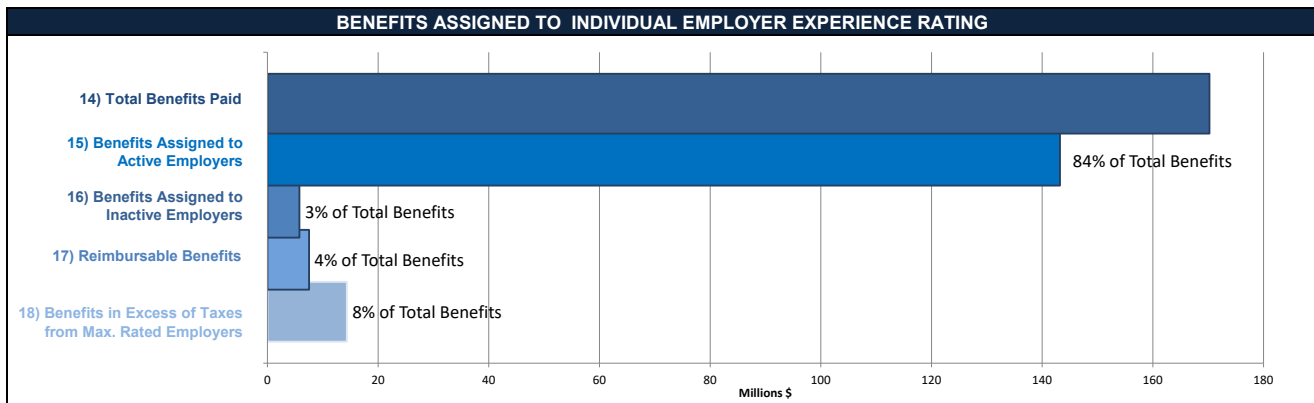
UNITED STATES 2018



ALABAMA 2018

STATE TAX FEATURES			
1) Type of Experience Rating Method:	Benefit Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	8,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.28 / 1.34	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.65 / 6.80	8) Average High Cost Multiple (1/1/2018):	0.88

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$123	Average For Every \$100 of Wages Paid \$0.28	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$52	Maximum Rate \$544	
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.89	Into the Trust Fund \$0.11	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
 Current Avg. Tax Rate 1.34% Minimum Adequate Financing Rate 1.69%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -21%			



	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	> 2.0%
19) Proportion of Total Wages:	89%	8%	2%	1%	0%
20) Proportion of Employers:	89%	5%	4%	2%	0%
21) Proportion of Total Benefits Charged:	42%	23%	22%	13%	0%
22) Proportion of Total Estimated Contributions:	62%	21%	11%	7%	0%
	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	> 2.0%

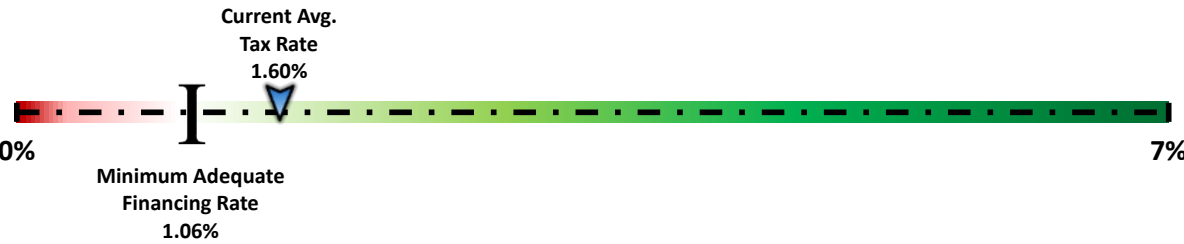
¹ See "New Employer Tax Rate" table for more information

ALASKA 2018

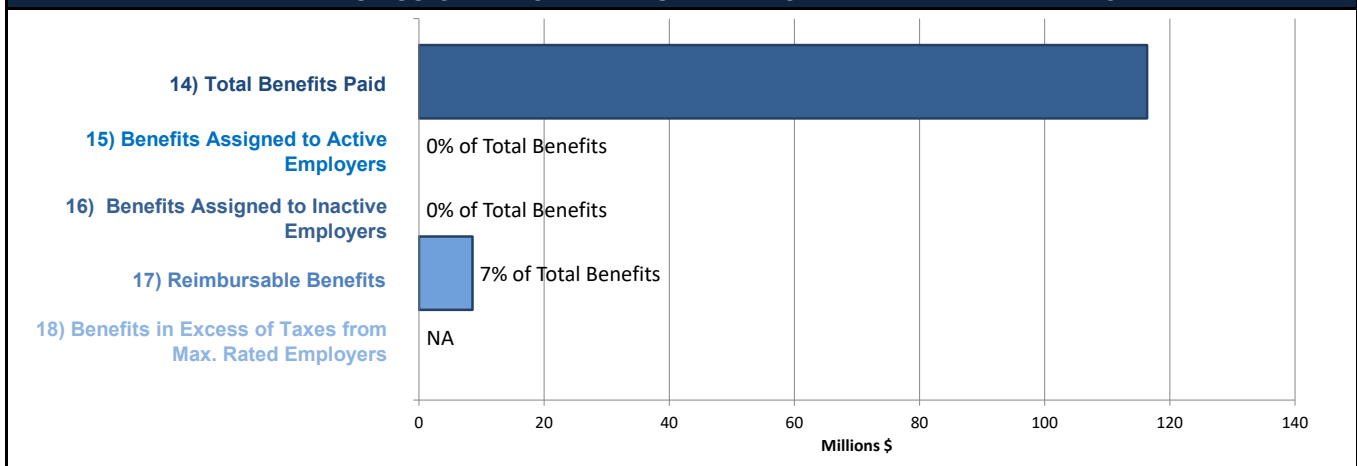
STATE TAX FEATURES

1) Type of Experience Rating Method:	Payroll Decline	2) Type of Employer Ranking:	Array
3) Type of Charging Method:	None	4) Taxable Wage Base (\$):	39,500
5) Avg. Tax Rate (Total / Taxable Wages) %:	1.00 / 1.60	6) New Employer Tax Rate (%) ¹ :	1.3
7) Statutory Tax Rate (Minimum / Maximum)%:	1.00 / 5.40	8) Average High Cost Multiple (1/1/2018):	1.65

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$531	Average For Every \$100 of Wages Paid \$1.00
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$395	Maximum Rate \$2,133
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Yr \$0.93	Into the Trust Fund \$0.07
12) Average Tax Rate Compared to Min. Adequate Financing Rate:		
 Current Avg. Tax Rate: 1.60% Minimum Adequate Financing Rate: 1.06%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 50%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



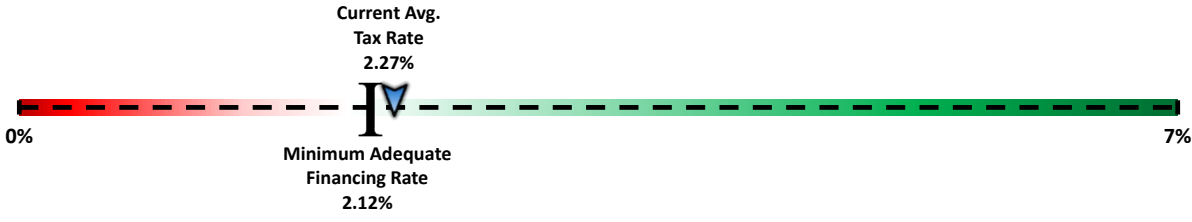
¹ See "New Employer Tax Rate" table for more information
NA - Not Available

ARIZONA 2018

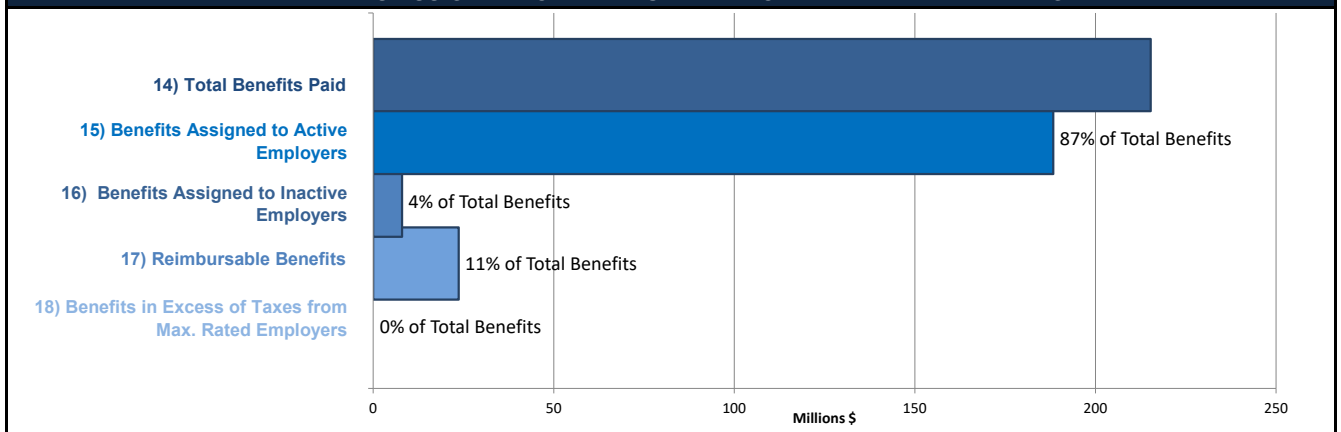
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	7,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.41 / 2.27	6) New Employer Tax Rate (%) ¹ :	2.0
7) Statutory Tax Rate (Minimum / Maximum)%:	0.05 / 12.76	8) Average High Cost Multiple (1/1/2018):	0.55

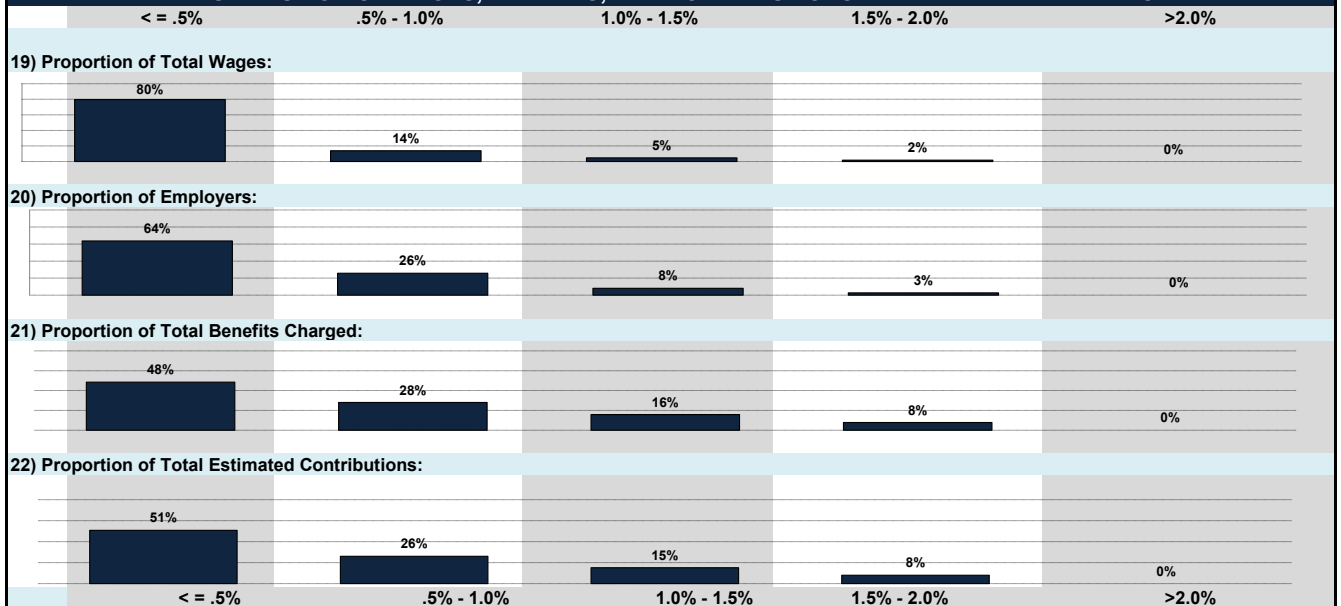
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$198	Average For Every \$100 of Wages Paid \$0.41
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$4	Maximum Rate \$893
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.47	Into the Trust Fund \$0.53
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:	 Current Avg. Tax Rate 2.27% Minimum Adequate Financing Rate 2.12%	
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:	7%	

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

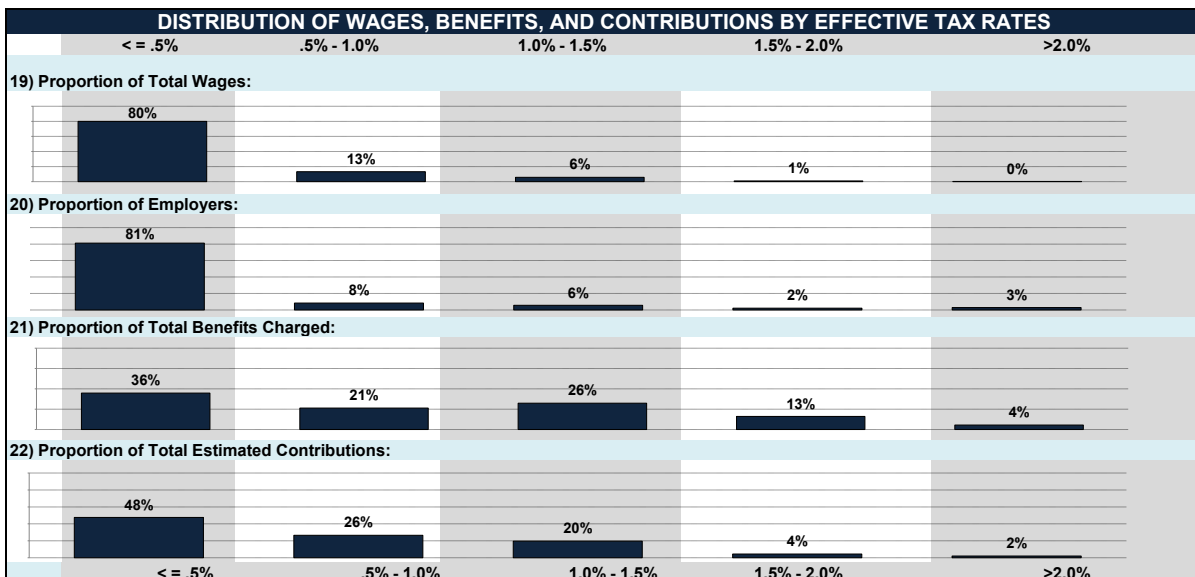
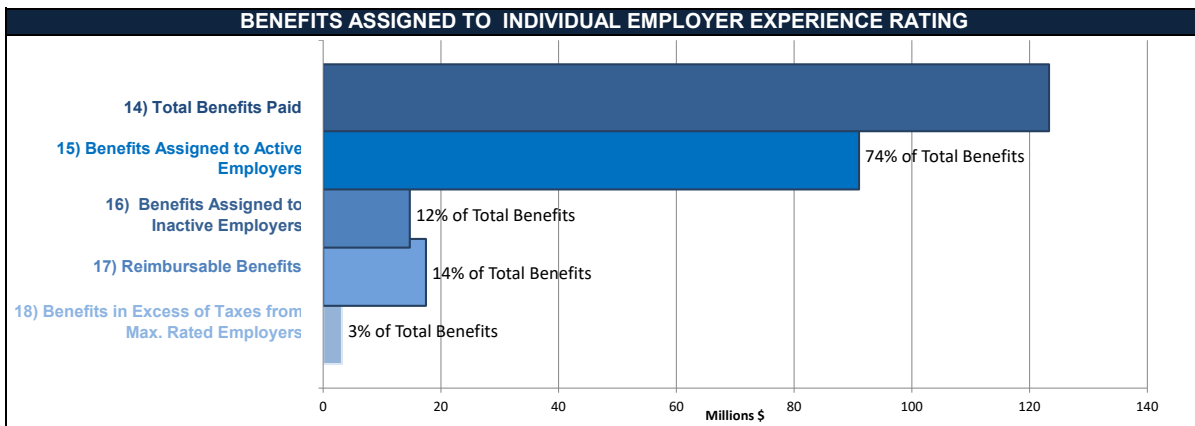


¹ See "New Employer Tax Rate" table for more information

ARKANSAS 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed		
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	10,000		
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.45 / 1.54	6) New Employer Tax Rate (%) ¹ :	2.9		
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10 / 6.00	8) Average High Cost Multiple (1/1/2018):	1.07		

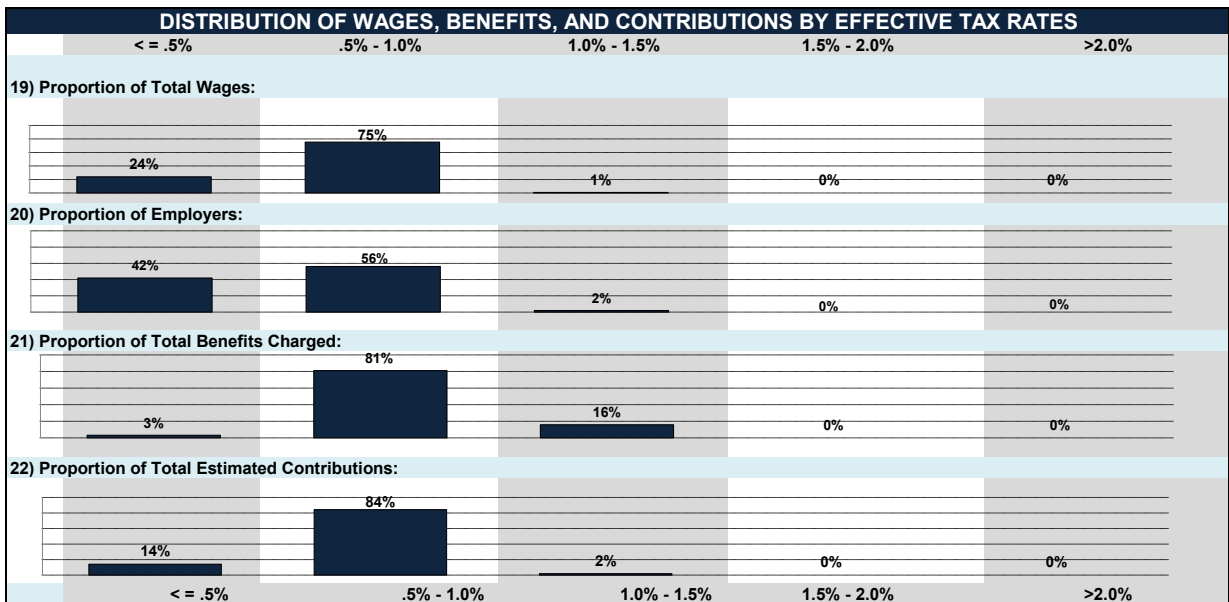
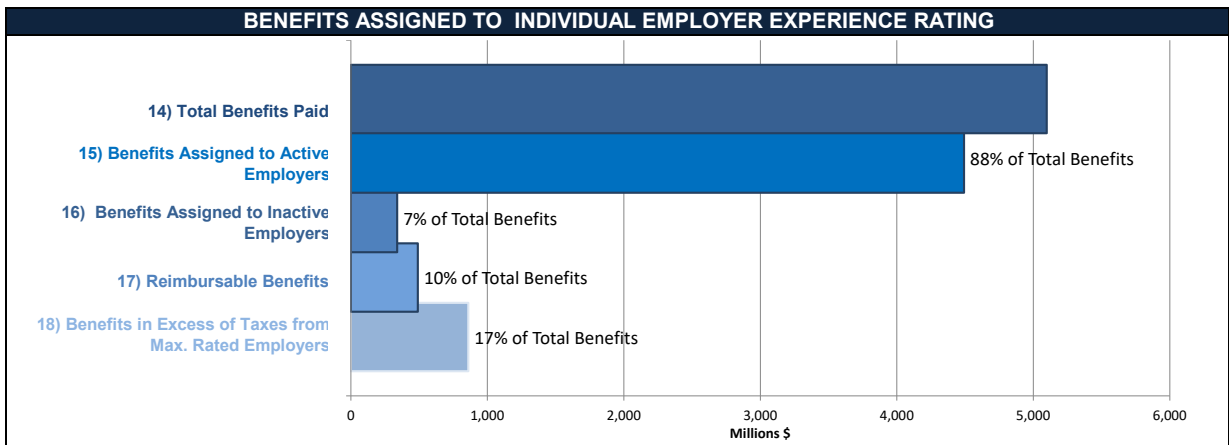
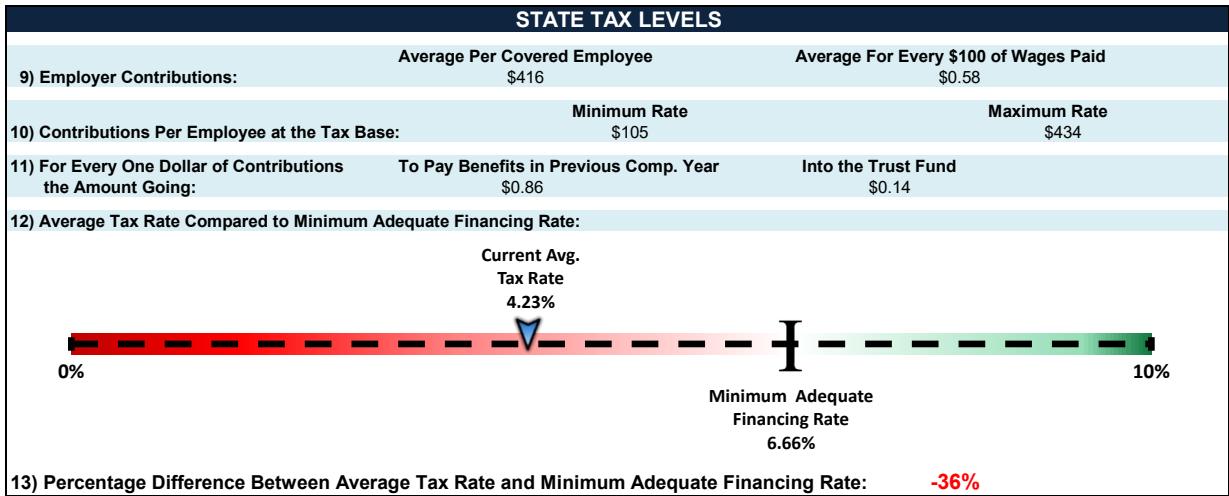
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$203	Average For Every \$100 of Wages Paid \$0.45
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$10	Maximum Rate \$600
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.62	Into the Trust Fund \$0.38
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.54% Minimum Adequate Financing Rate 1.74%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -12%		



¹ See "New Employer Tax Rate" table for more information

CALIFORNIA 2018

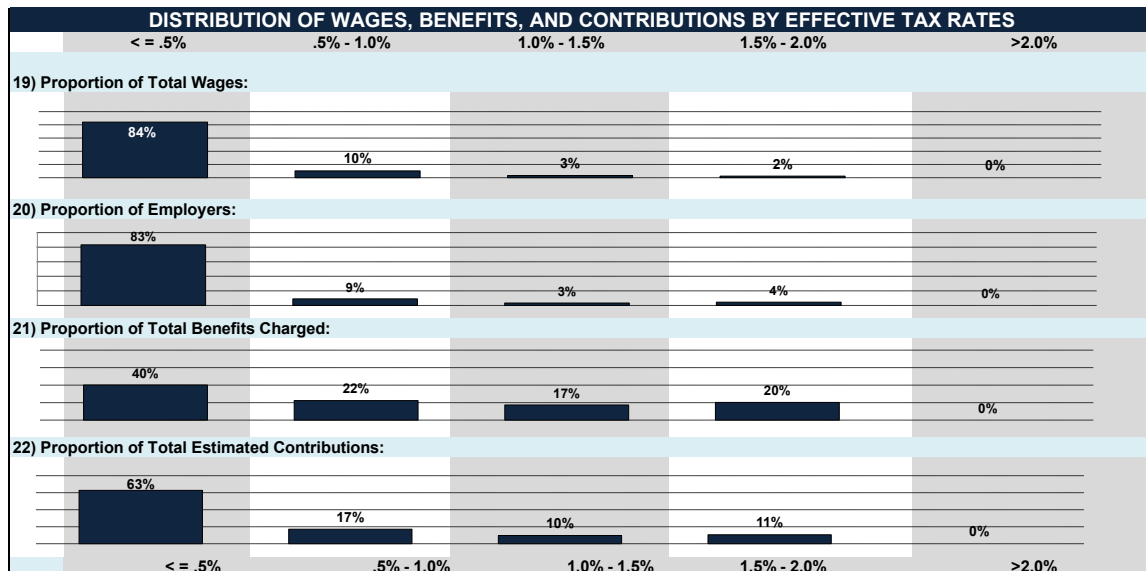
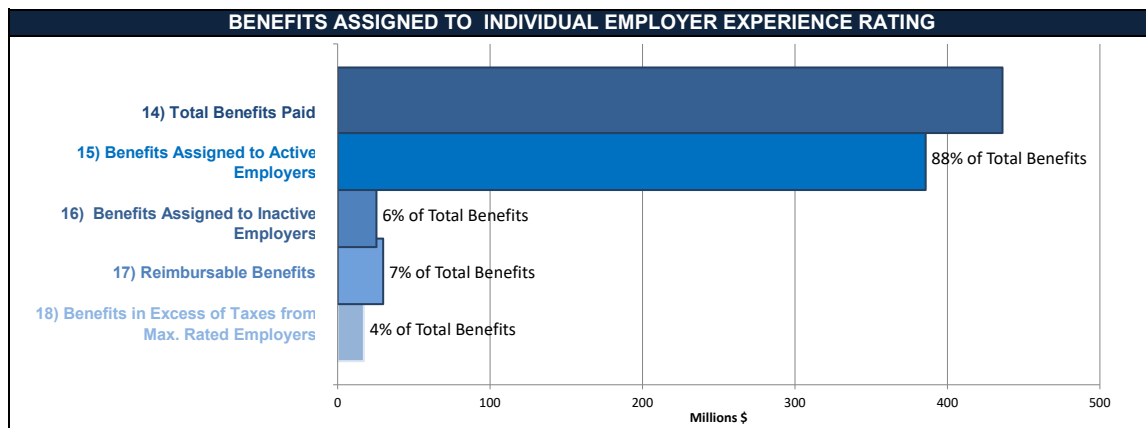
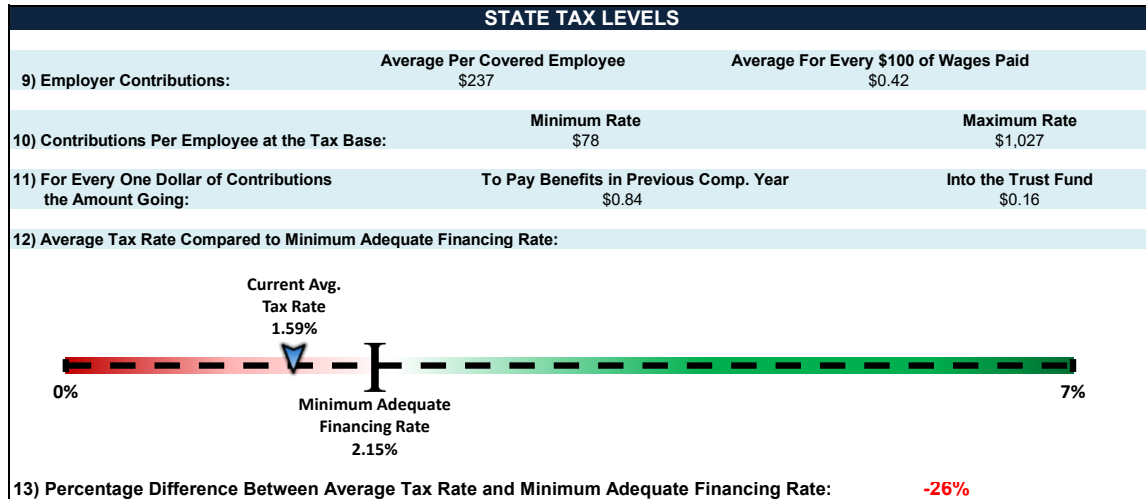
STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed		
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	7,000		
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.58 / 4.23	6) New Employer Tax Rate (%) ¹ :	3.4		
7) Statutory Tax Rate (Minimum / Maximum)%:	1.50 / 6.20	8) Average High Cost Multiple (1/1/2018):	0.00		



¹ See "New Employer Tax Rate" table for more information

COLORADO 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Inverse Order		4) Taxable Wage Base (\$):	12,600	
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	0.42	/	1.59	6) New Employer Tax Rate (%) ² :	1.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.62	/	8.15	8) Average High Cost Multiple (1/1/2018):	0.61

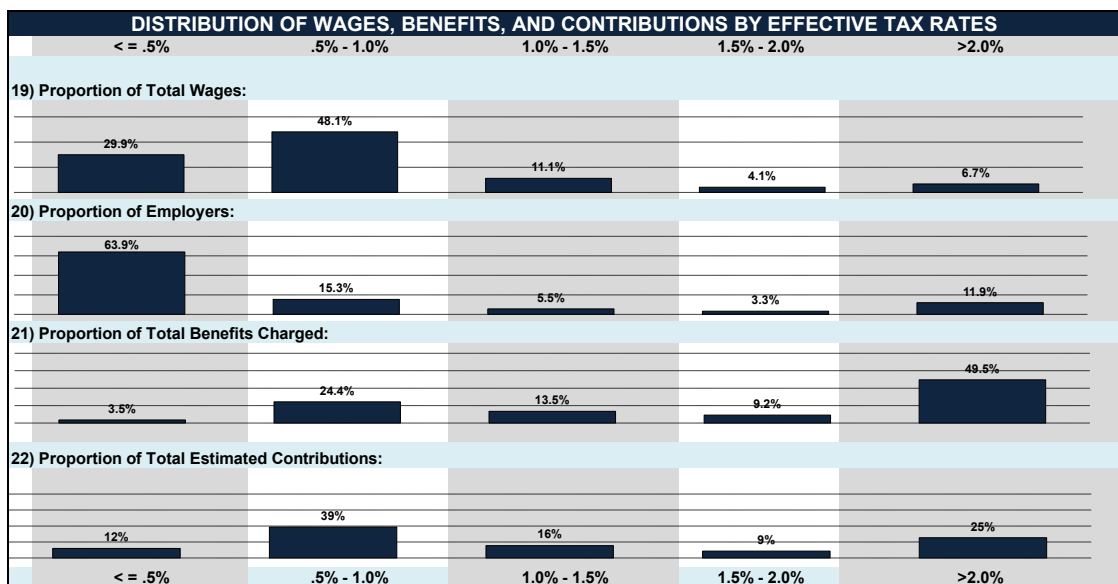
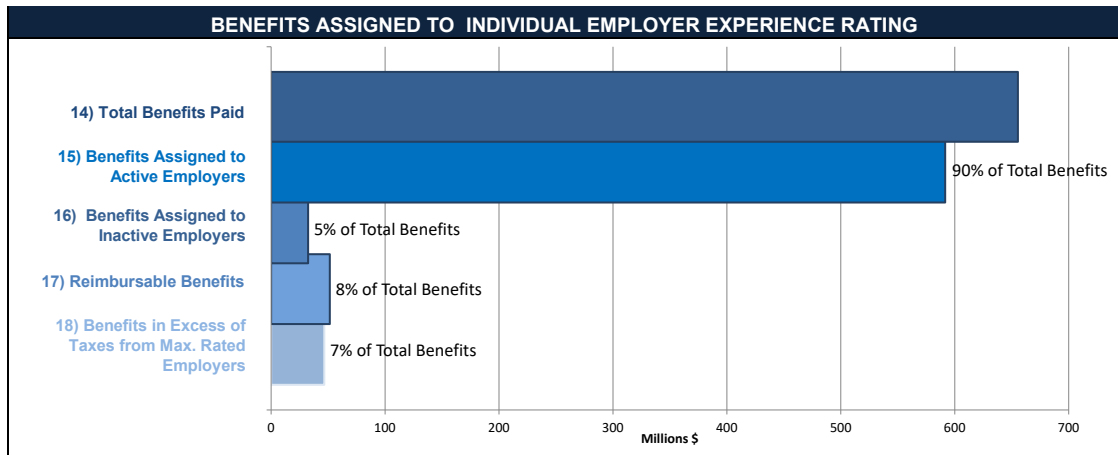


1 All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
2 See "New Employer Tax Rate" table for more information

CONNECTICUT 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio			2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally			4) Taxable Wage Base (\$):	15,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.80	/	3.38	6) New Employer Tax Rate (%) ¹ :	3.9
7) Statutory Tax Rate (Minimum / Maximum)%:	1.90	/	6.80	8) Average High Cost Multiple (1/1/2018):	0.34

STATE TAX LEVELS			
9) Employer Contributions:		Average Per Covered Employee \$579	Average For Every \$100 of Wages Paid \$0.80
10) Contributions Per Employee at the Tax Base:		Minimum Rate \$285	Maximum Rate \$1,020
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.88	Into the Trust Fund \$0.12	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
0% Current Avg. Tax Rate 3.38% Minimum Adequate Financing Rate 4.25% 7%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:			-20%



¹ See "New Employer Tax Rate Table" for more information

DELAWARE 2018

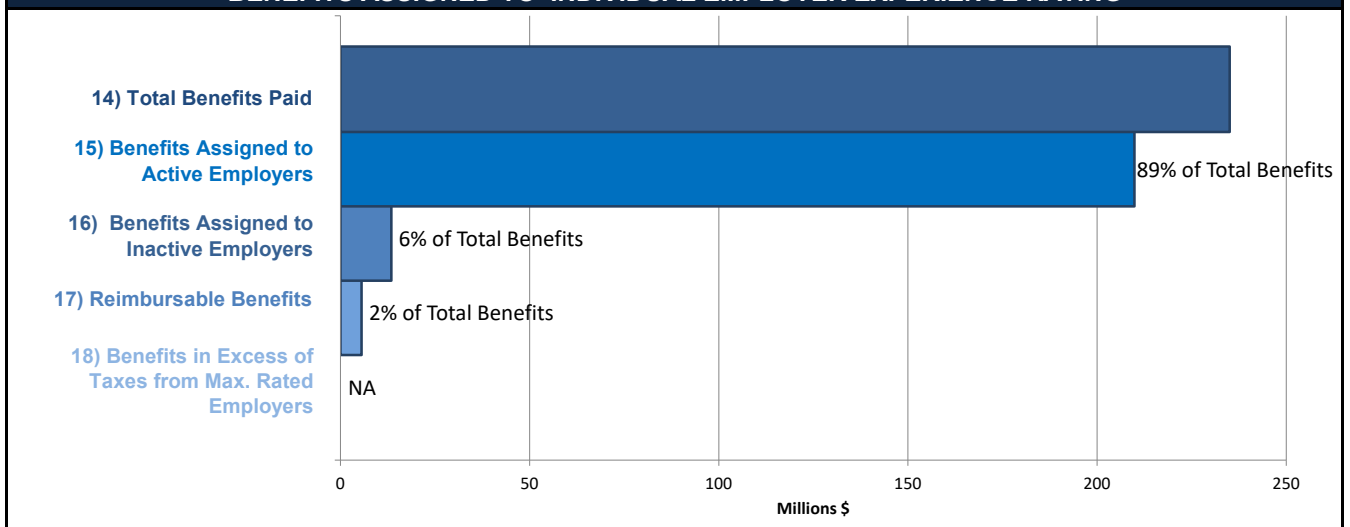
STATE TAX FEATURES

1) Type of Experience Rating Method:	Benefit Wage	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	None	4) Taxable Wage Base (\$):	16,500
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.46 / 1.48	6) New Employer Tax Rate (%) ¹ :	1.60
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10 / 8.00	8) Average High Cost Multiple (1/1/2018):	0.59

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$256	Average For Every \$100 of Wages Paid \$0.46
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$17	Maximum Rate \$1,320
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$2.64	Into the Trust Fund -\$1.64
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.48%  Minimum Adequate Financing Rate 2.06%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -28%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



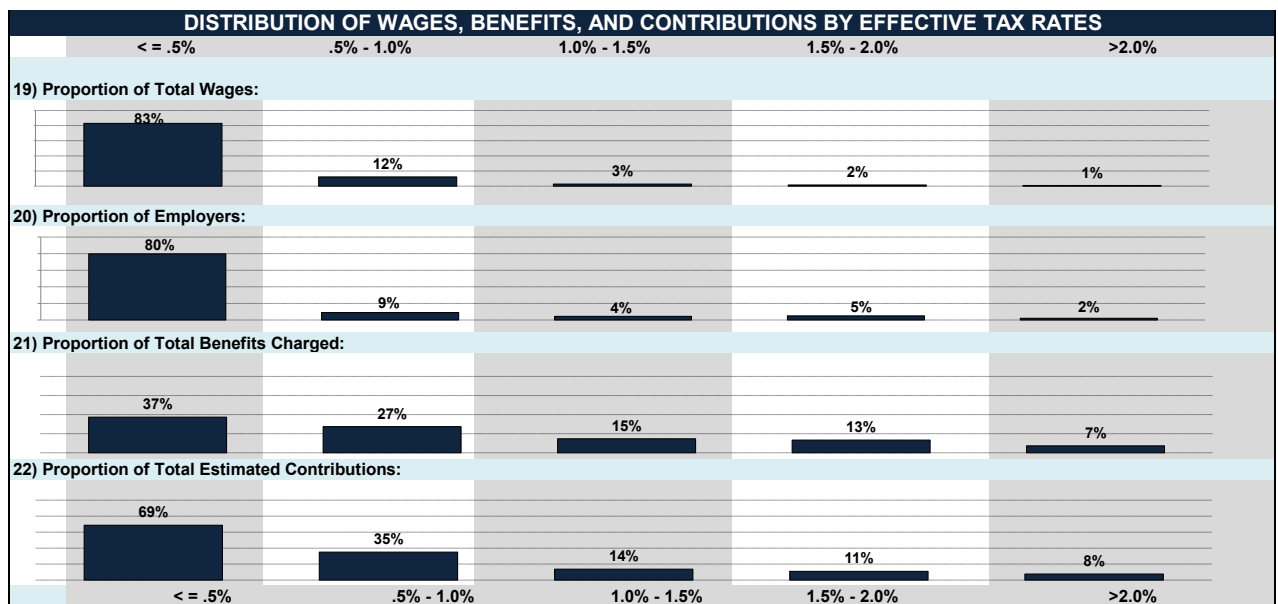
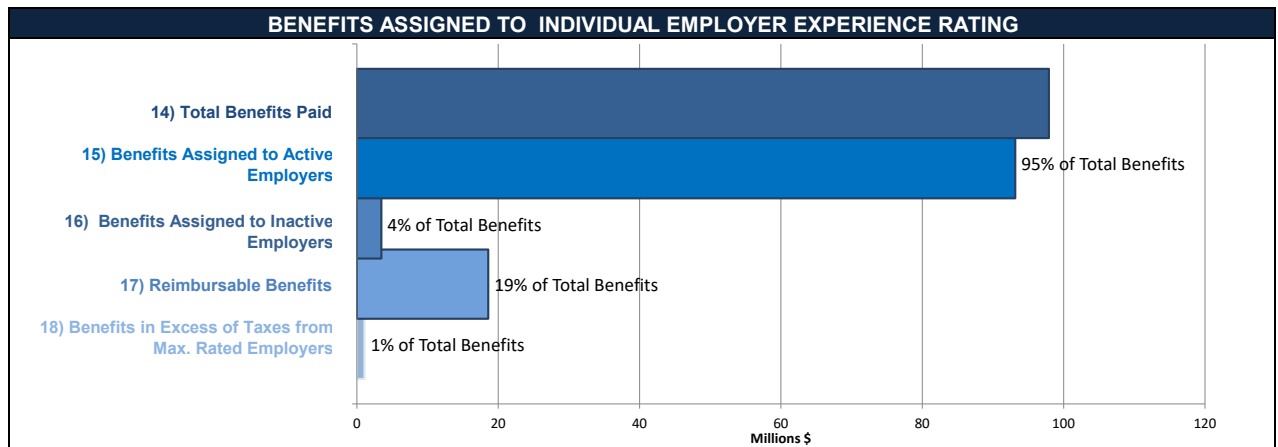
¹ See "New Employer Tax Rate Table" for more information

NA - Not Available

DISTRICT OF COLUMBIA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	9,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.32	/	2.47	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	1.60	/	7.00	8) Average High Cost Multiple (1/1/2018):	1.09

STATE TAX LEVELS			
9) Employer Contributions:		Average Per Covered Employee \$230	Average For Every \$100 of Wages Paid \$0.32
10) Contributions Per Employee at the Tax Base:		Minimum Rate \$144	Maximum Rate \$630
11) For Every One Dollar of Contributions the Amount Going:		To Pay Benefits in Previous Comp. Year \$0.92	Into the Trust Fund \$0.08
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
0% Current Avg. Tax Rate 2.47% Minimum Adequate Financing Rate 2.52% 7%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -2%			

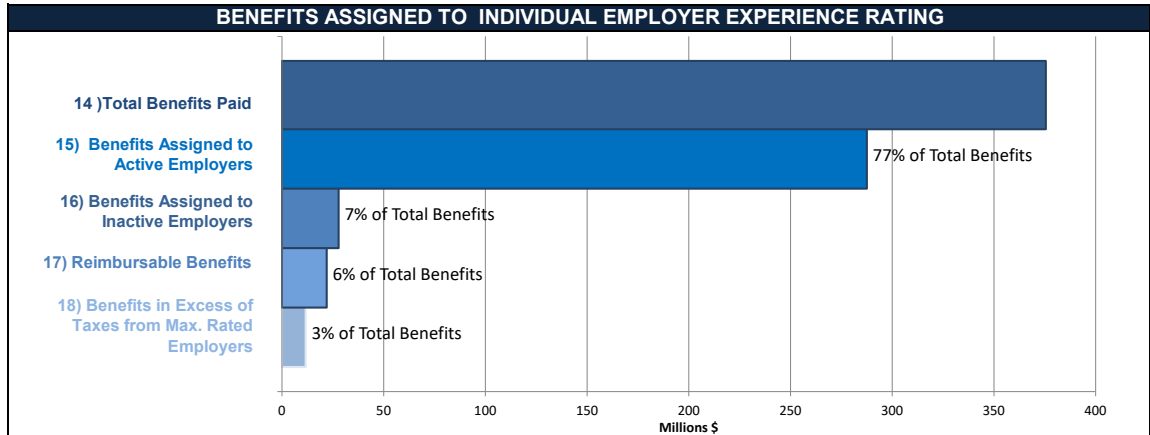


¹ See "New Employer Tax Rate Table" for more information

FLORIDA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	7,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.15	/	0.78	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10	/	5.40	8) Average High Cost Multiple (1/1/2018):	1.07

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$63	Average For Every \$100 of Wages Paid \$0.15	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$7	Maximum Rate \$378	
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.81	Into the Trust Fund \$0.19	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
Current Avg. Tax Rate, 0.78% 0% Minimum Adequate Financing Rate 1.17% 7%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -33%			

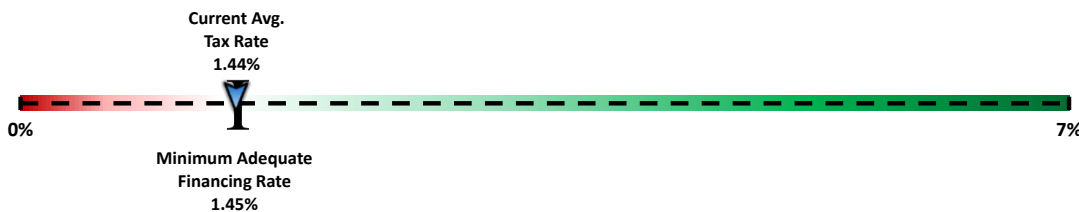


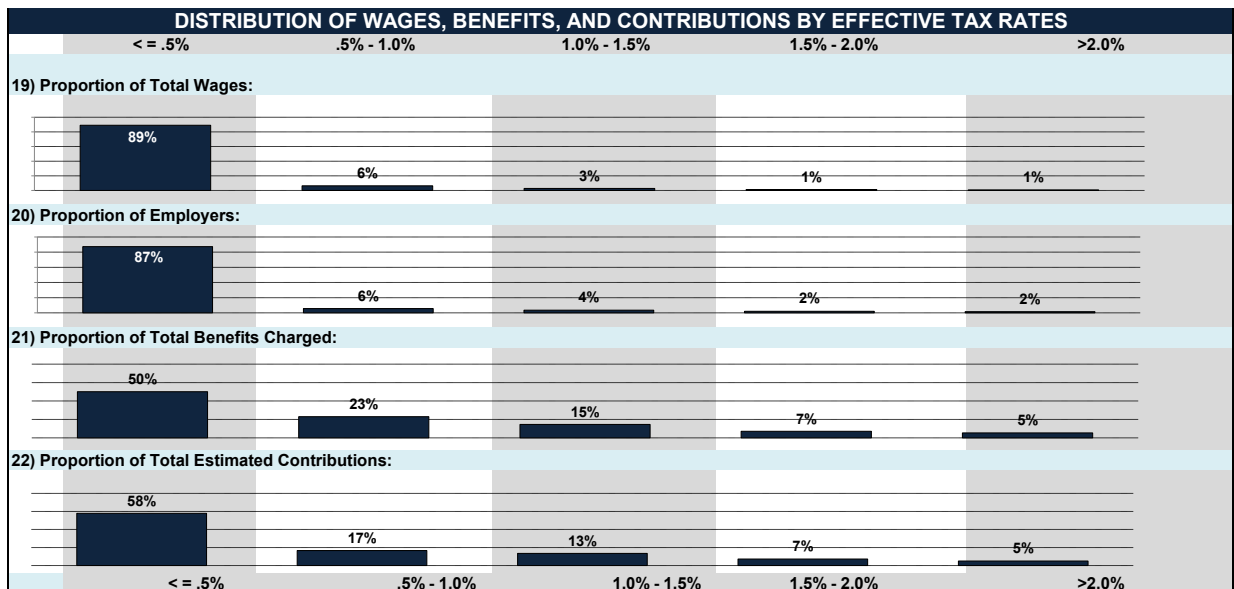
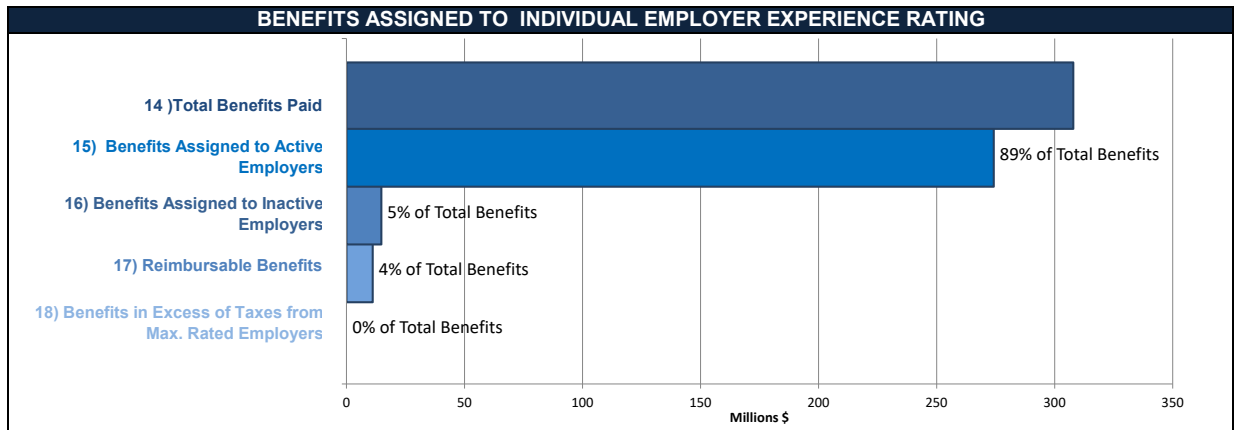
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES					
	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%
19) Proportion of Total Wages:	93.9%	1.3%	0.3%	0.0%	0.0%
20) Proportion of Employers:	93.2%	2.3%	0.9%	0.1%	0.0%
21) Proportion of Total Benefits Charged:	81.4%	10.9%	6.0%	1.7%	0.0%
22) Proportion of Total Estimated Contributions:	87%	9%	3%	1%	0%
	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%

¹ See "New Employer Tax Rate Table" for more information

GEORGIA 2018

STATE TAX FEATURES				
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	9,500	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.32 / 1.44	6) New Employer Tax Rate (%) ¹ :	2.6	
7) Statutory Tax Rate (Minimum / Maximum)%:	0.03 / 8.10	8) Average High Cost Multiple (1/1/2018):	0.98	

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$170	Average For Every \$100 of Wages Paid \$0.32
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$2	Maximum Rate \$770
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.49	Into the Trust Fund \$0.51
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate: 1.44% Minimum Adequate Financing Rate: 1.45%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 0%		



¹ See "New Employer Tax Rate Table" for more information

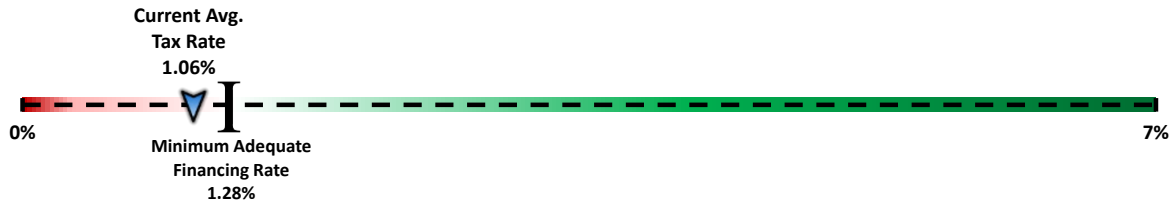
HAWAII 2018

STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	45,900
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.73 / 1.06	6) New Employer Tax Rate (%) ¹ :	2.4
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 5.60	8) Average High Cost Multiple (1/1/2018):	1.19

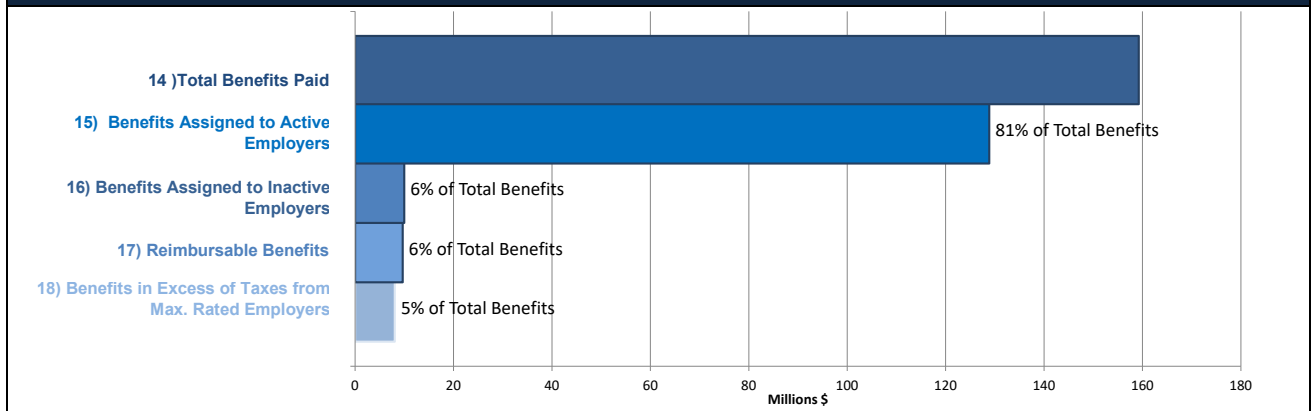
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$361	Average For Every \$100 of Wages Paid \$0.73
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$2,570
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.90	Into the Trust Fund \$0.10
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		

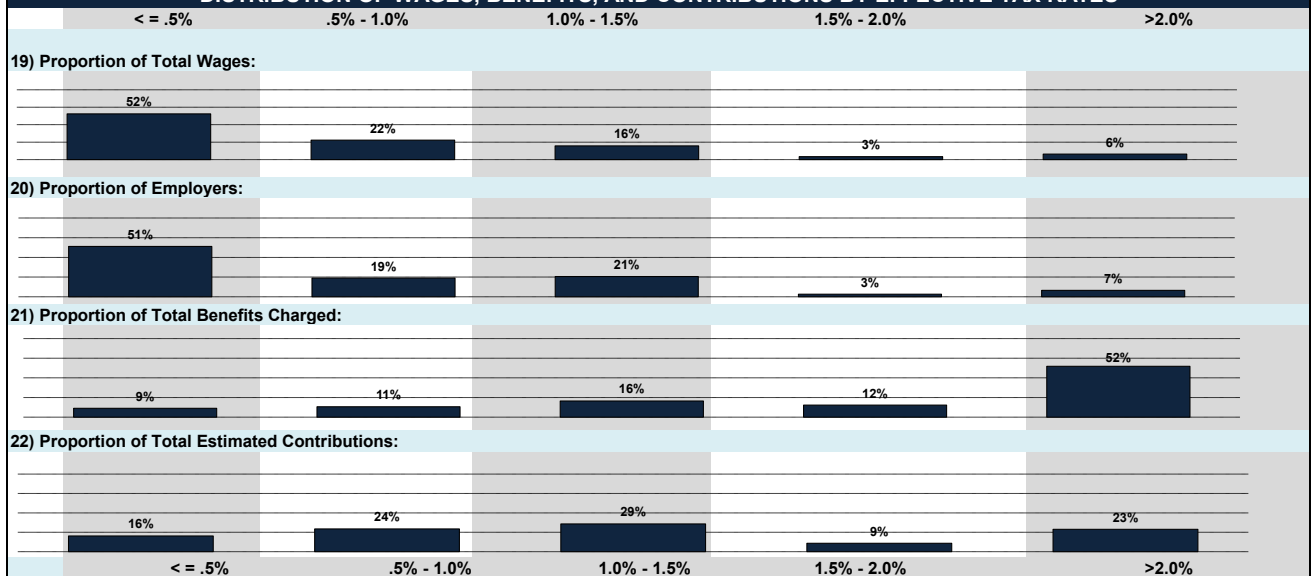


13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: **-17%**

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



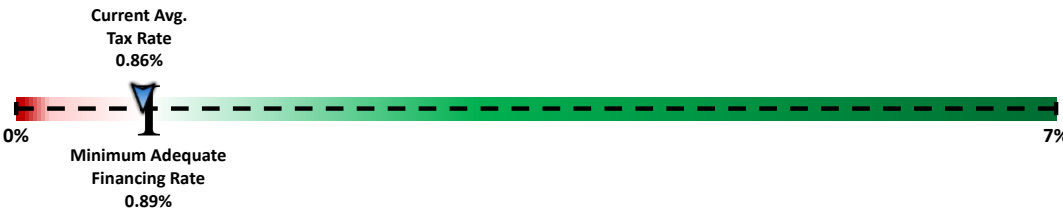
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

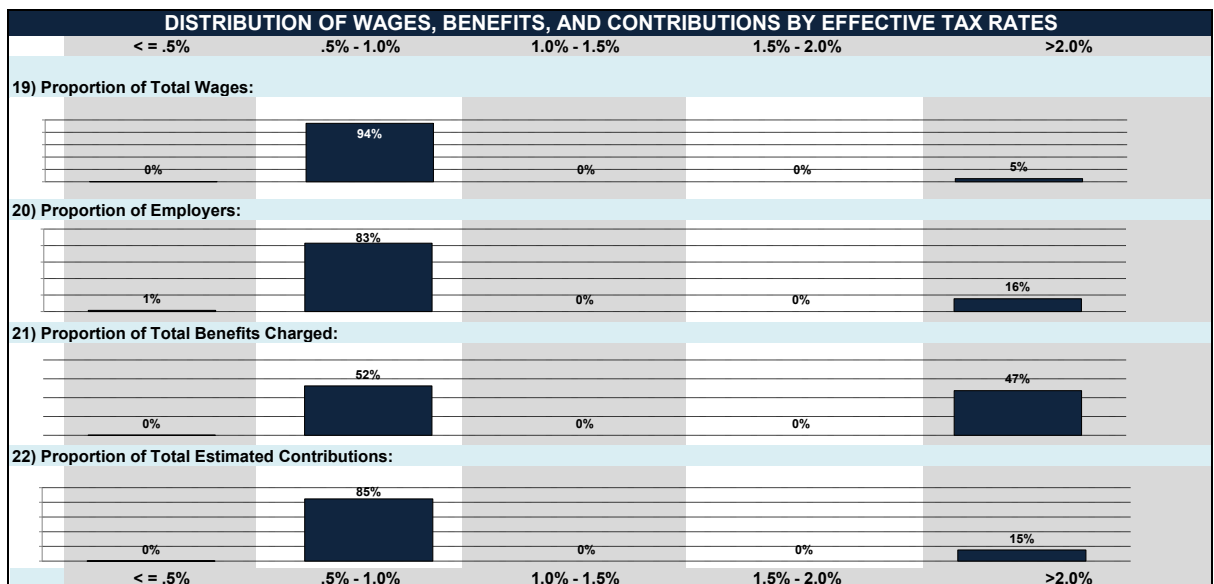
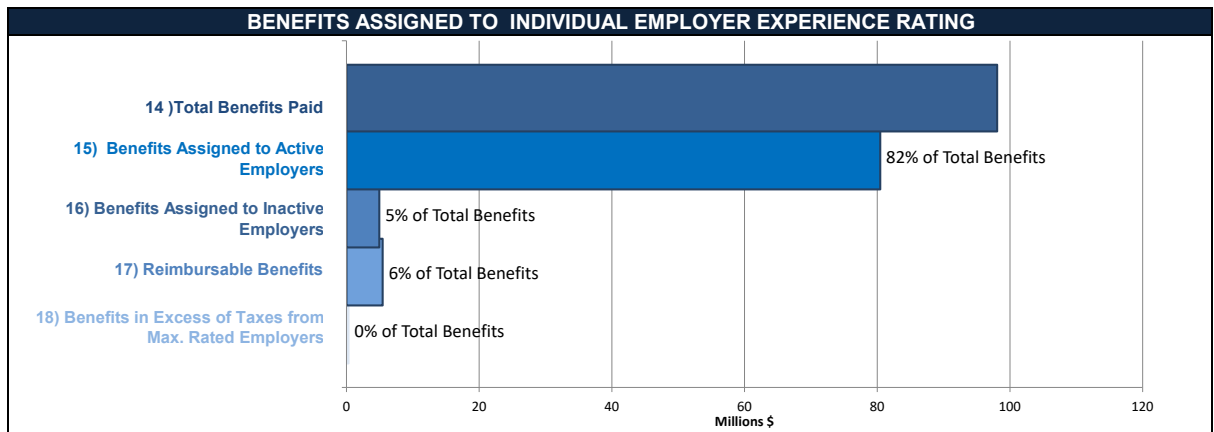


¹ See "New Employer Tax Rate Table" for more information

IDAHO 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array		
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	38,200		
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	0.56 / 0.86	6) New Employer Tax Rate (%) ² :	1.0		
7) Statutory Tax Rate (Minimum / Maximum)%:	0.26 / 5.40	8) Average High Cost Multiple (1/1/2018):	1.44		

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$310	Average For Every \$100 of Wages Paid \$0.56	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$100	Maximum Rate \$2,063	
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.55	Into the Trust Fund \$0.45	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
 Current Avg. Tax Rate 0.86% Minimum Adequate Financing Rate 0.89%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:			-4%

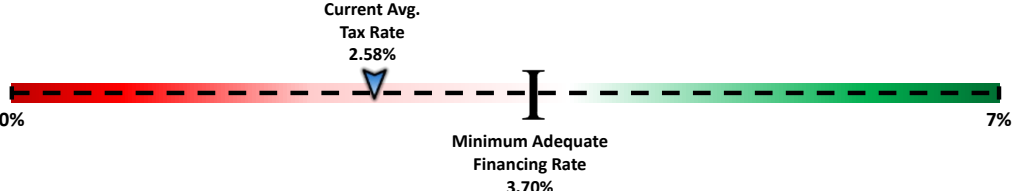


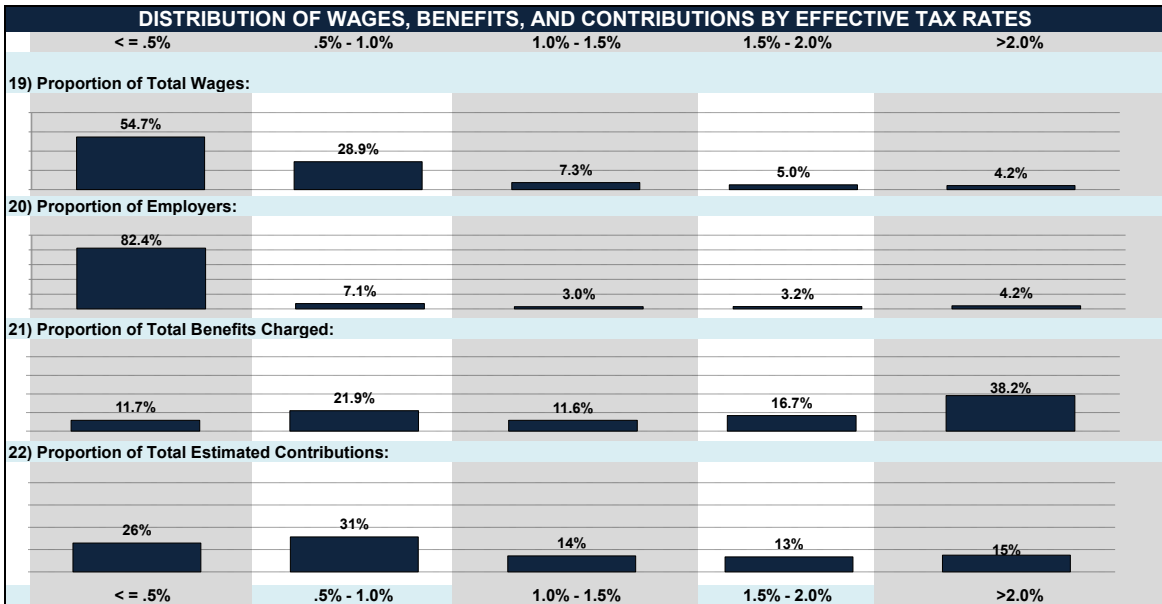
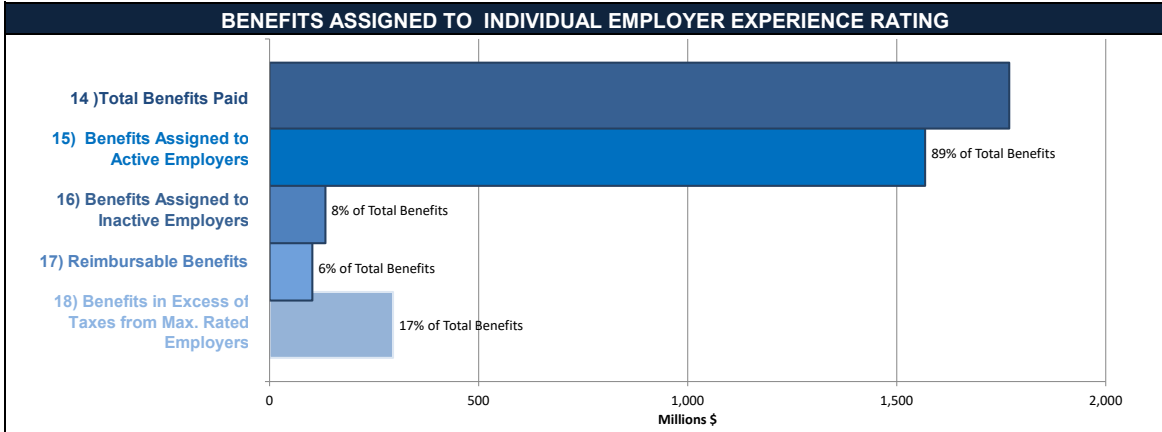
1 All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue

2 See "New Employer Tax Rate Table" for more information

ILLINOIS 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Most Recent		4) Taxable Wage Base (\$):	12,960	
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	0.61	/	2.58	6) New Employer Tax Rate (%) ² :	3.2
7) Statutory Tax Rate (Minimum / Maximum)%:	0.53	/	6.93	8) Average High Cost Multiple (1/1/2018):	0.37

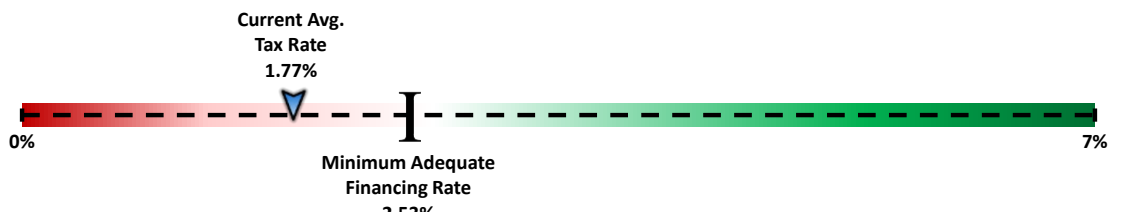
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$364	Average For Every \$100 of Wages Paid \$0.61
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$68	Maximum Rate \$897
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$1.02	Into the Trust Fund -\$0.02
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 2.58% Minimum Adequate Financing Rate 3.70%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -30%		

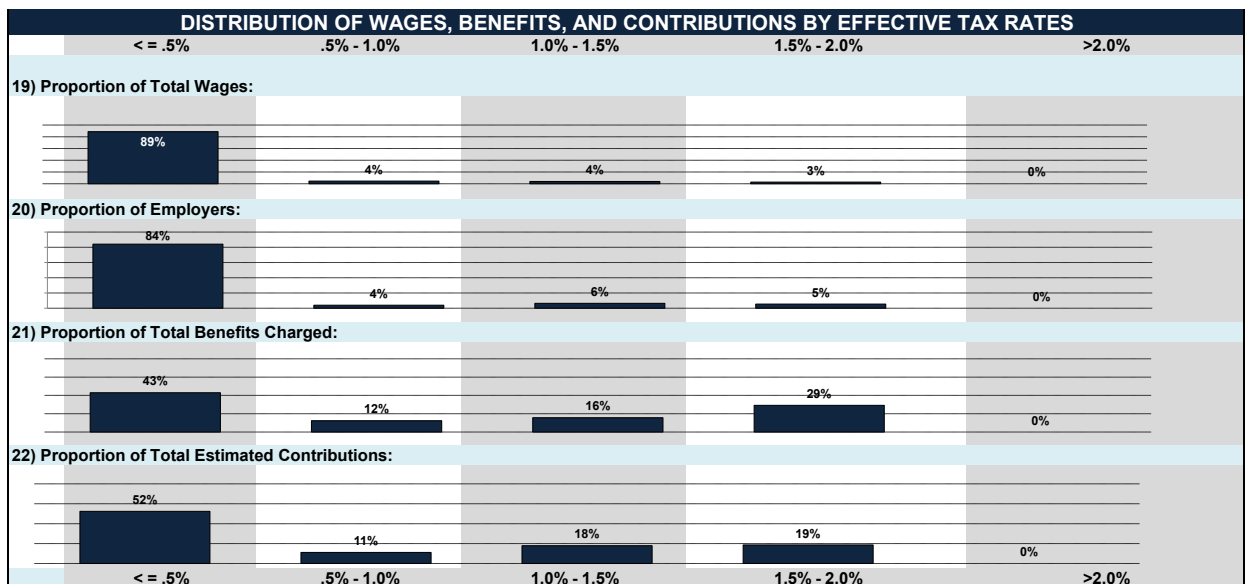
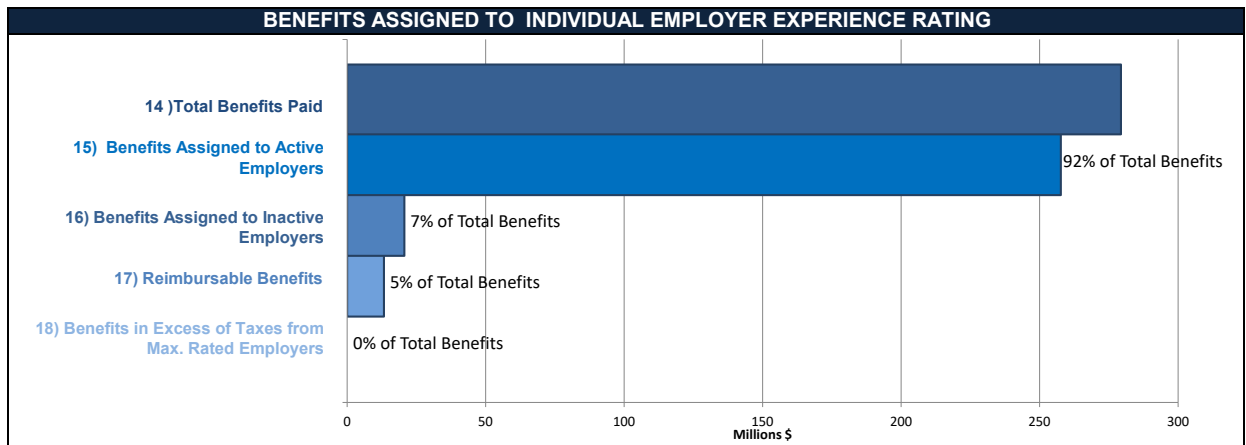


¹ All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
² See "New Employer Tax Rate Table" for more information

INDIANA 2018

STATE TAX FEATURES				
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	9,500	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.42 / 1.77	6) New Employer Tax Rate (%) ¹ :	2.5	
7) Statutory Tax Rate (Minimum / Maximum)%:	0.50 / 7.40	8) Average High Cost Multiple (1/1/2018):	0.23	

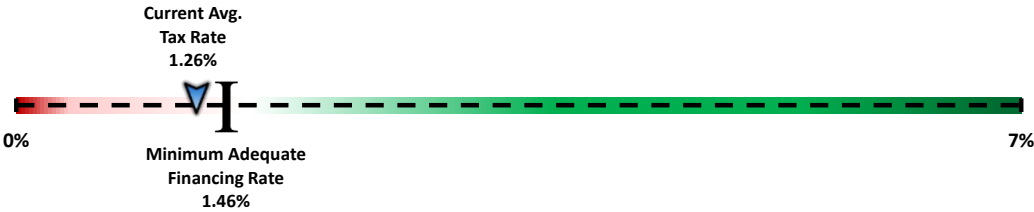
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$204	Average For Every \$100 of Wages Paid \$0.42
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$48	Maximum Rate \$703
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.56	Into the Trust Fund \$0.44
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.77% Minimum Adequate Financing Rate 2.53%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -30%		

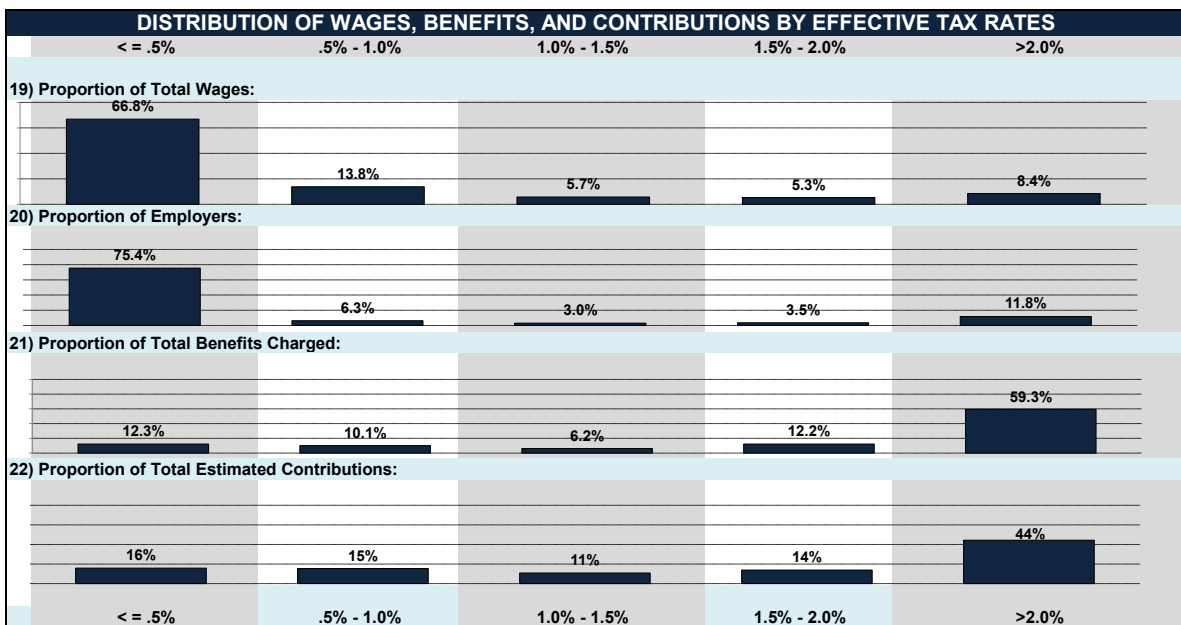
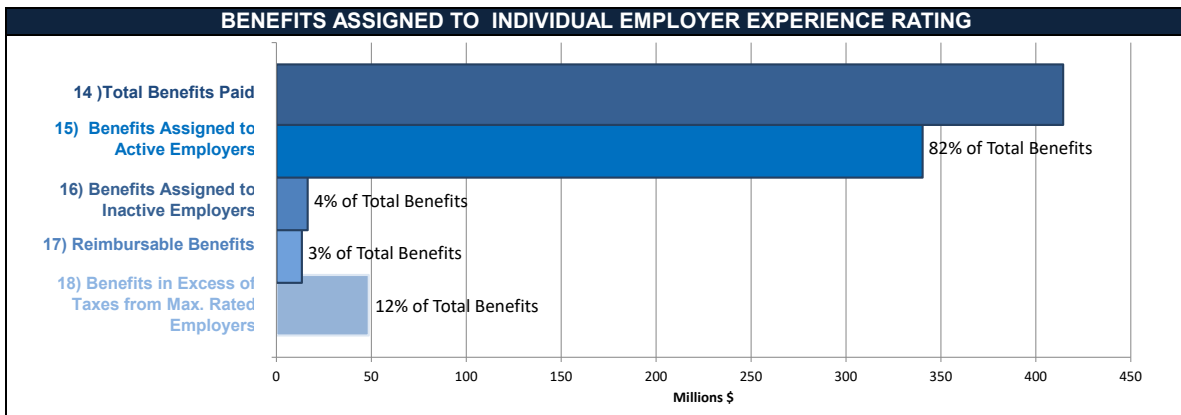


¹ See "New Employer Tax Rate Table" for more information

IOWA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio			2) Type of Employer Ranking:	Array
3) Type of Charging Method:	Inverse Order			4) Taxable Wage Base (\$):	29,900
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.69	/	1.26	6) New Employer Tax Rate (%) ¹ :	1.0
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	7.50	8) Average High Cost Multiple (1/1/2018):	1.51

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$318	Average For Every \$100 of Wages Paid \$0.69
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$2,243
11) For Every One Dollar of Contributions	To Pay Benefits in Previous Comp. Year \$1.08	Into the Trust Fund -\$0.08
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.26% Minimum Adequate Financing Rate 1.46% 0% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -14%		



¹ See "New Employer Tax Rate Table" for more information

KANSAS 2018

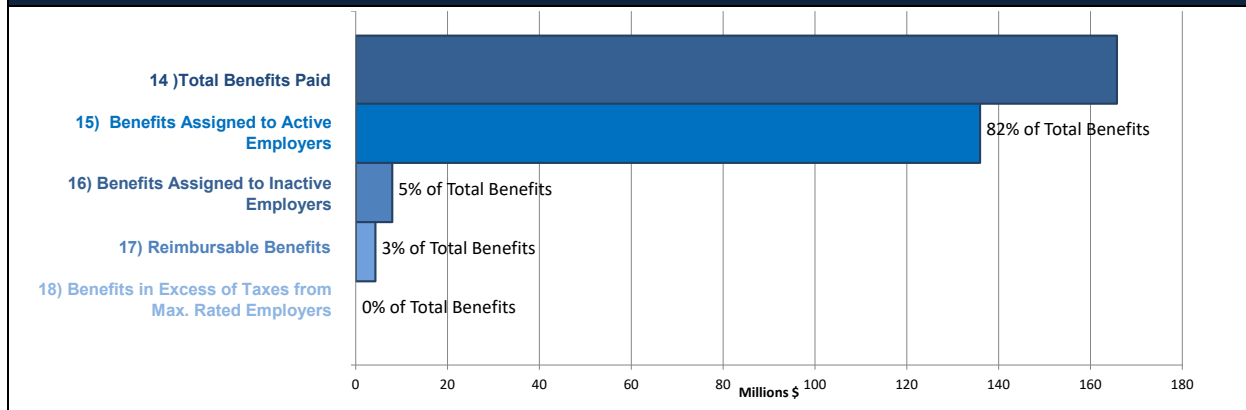
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	14,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.51 / 1.30	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.20 / 7.60	8) Average High Cost Multiple (1/1/2018):	1.06

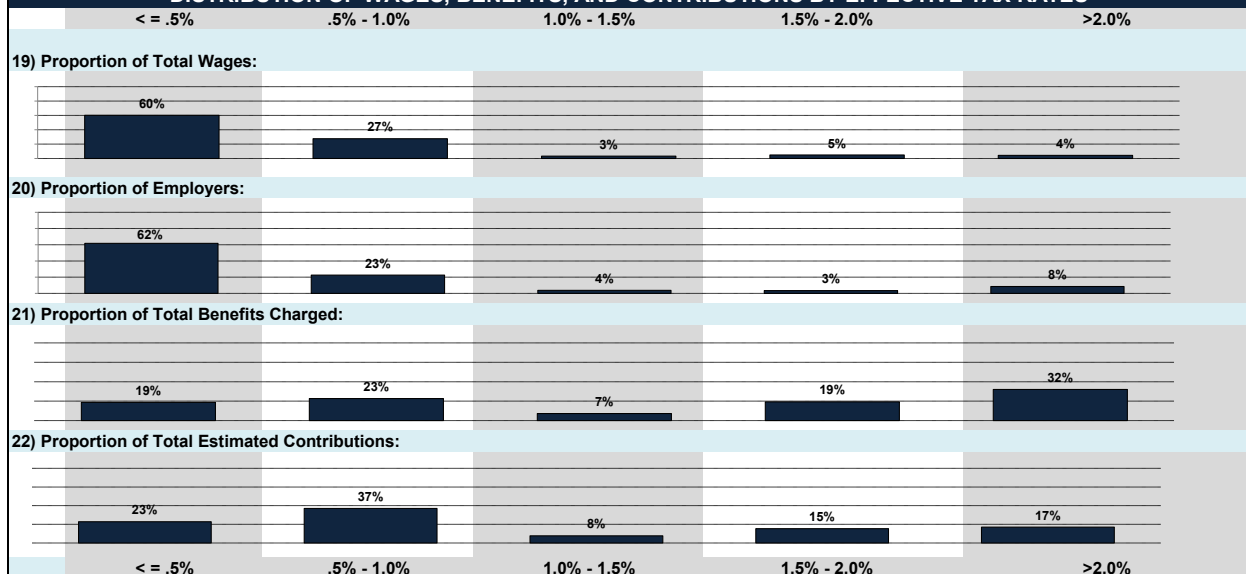
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$230	Average For Every \$100 of Wages Paid \$0.51
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$28	Maximum Rate \$1,064
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.58	Into the Trust Fund \$0.42
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.30% 0% Minimum Adequate Financing Rate 1.13% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 15%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES



¹ See "New Employer Tax Rate Table" for more information

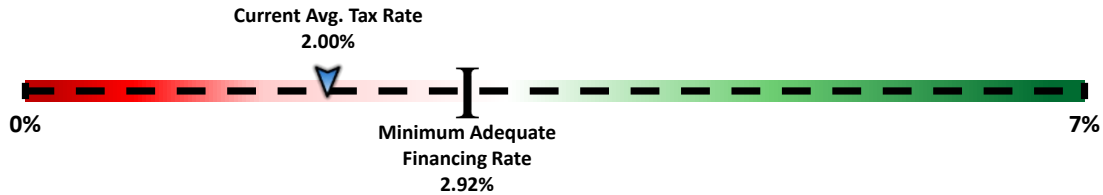
KENTUCKY 2018

STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	10,200
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.52 / 2.00	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.40 / 9.25	8) Average High Cost Multiple (1/1/2018):	0.43

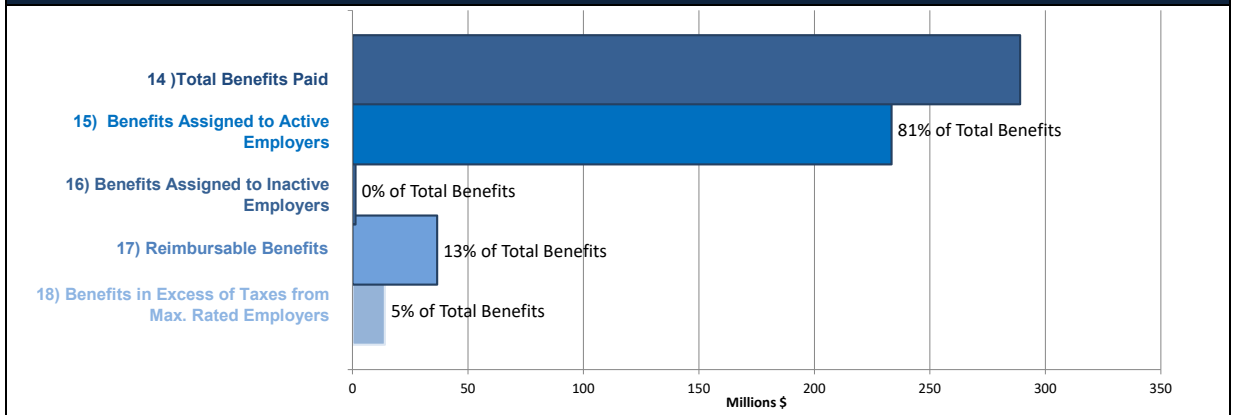
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$209	Average For Every \$100 of Wages Paid \$0.52
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$41	Maximum Rate \$944
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.93	Into the Trust Fund \$0.07
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		

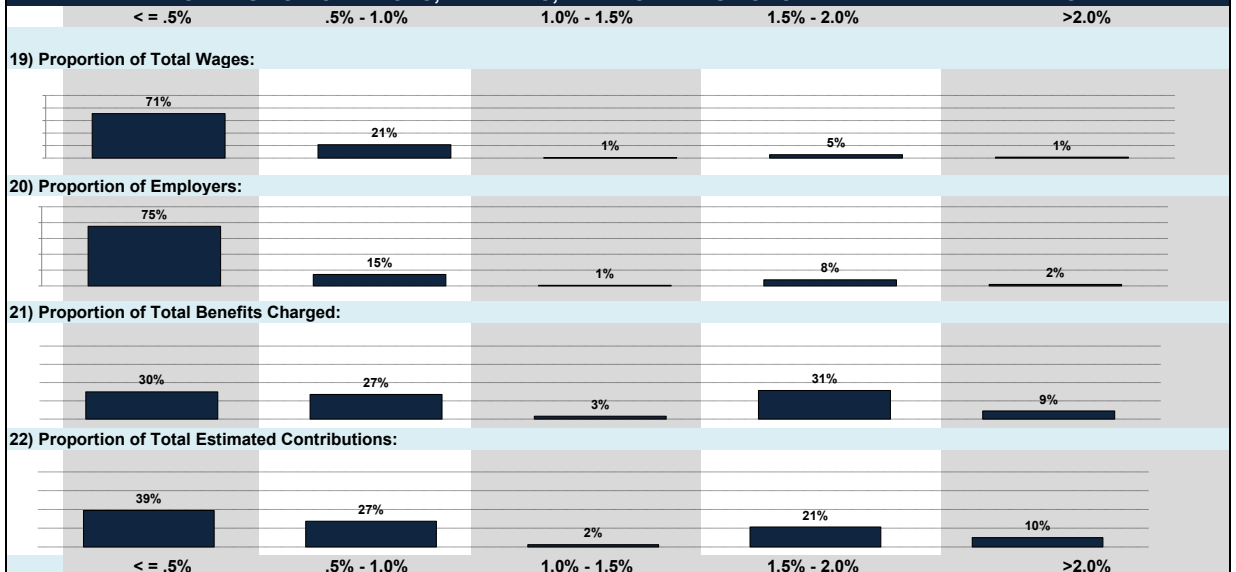


13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: **-31%**

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



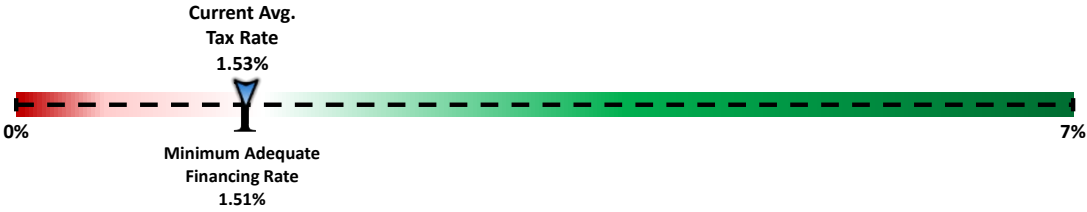
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

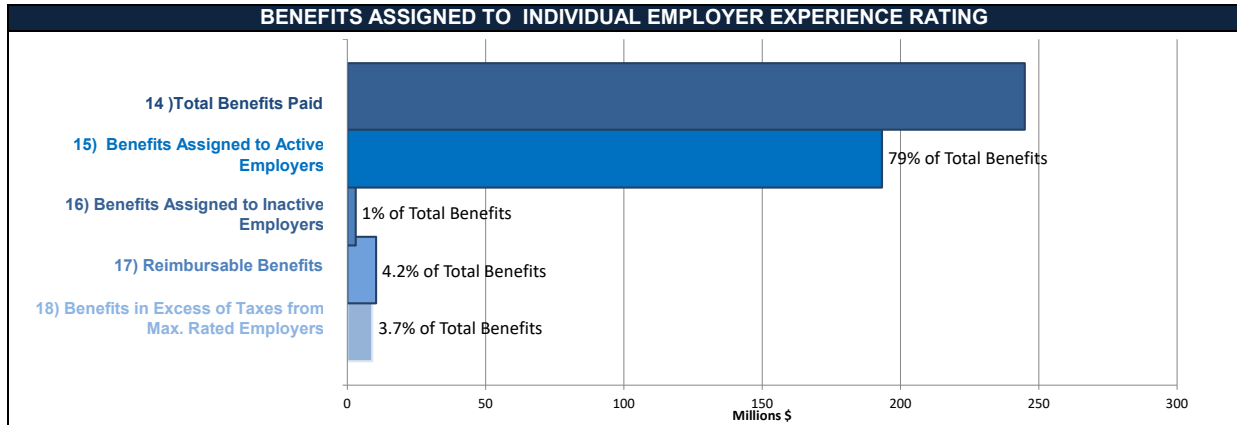


¹ See "New Employer Tax Rate Table" for more information

LOUISIANA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed		
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	7,700		
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.31 / 1.53	6) New Employer Tax Rate (%) ¹ :	InAvg%		
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10 / 6.20	8) Average High Cost Multiple (1/1/2018):	1.23		

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$160	Average For Every \$100 of Wages Paid \$0.31	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$8	Maximum Rate \$477	
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$1.01	Into the Trust Fund -\$0.01	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
 Current Avg. Tax Rate: 1.53% Minimum Adequate Financing Rate: 1.51%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 1%			

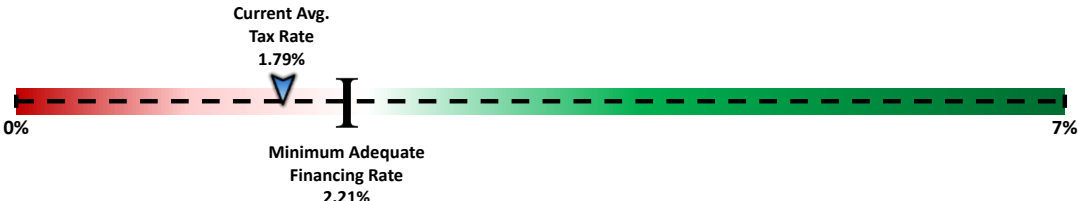


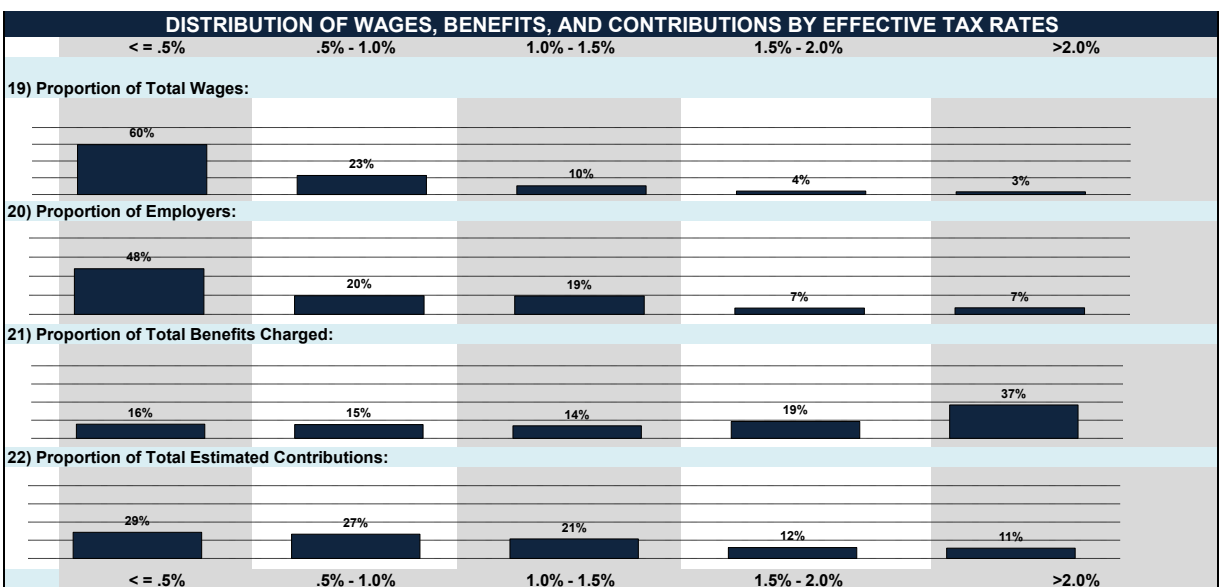
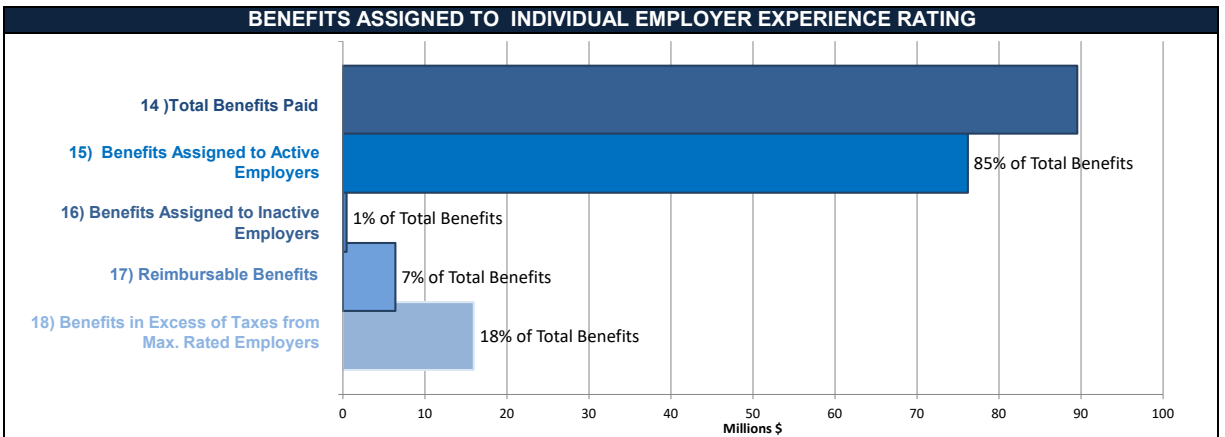
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES					
	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%
19) Proportion of Total Wages:	76%	32%	0%	0%	0%
20) Proportion of Employers:	73%	26%	0%	0%	0%
21) Proportion of Total Benefits Charged:	27%	72%	1%	0%	0%
22) Proportion of Total Estimated Contributions:	40%	59%	1%	0%	0%
	<= .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%

¹ See "New Employer Tax Rate Table" for more information

MAINE 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio		2) Type of Employer Ranking:	Array	
3) Type of Charging Method:	Most Recent		4) Taxable Wage Base (\$):	12,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.56	/	1.79	6) New Employer Tax Rate (%) ¹ :	1.9
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	5.40	8) Average High Cost Multiple (1/1/2018):	1.20

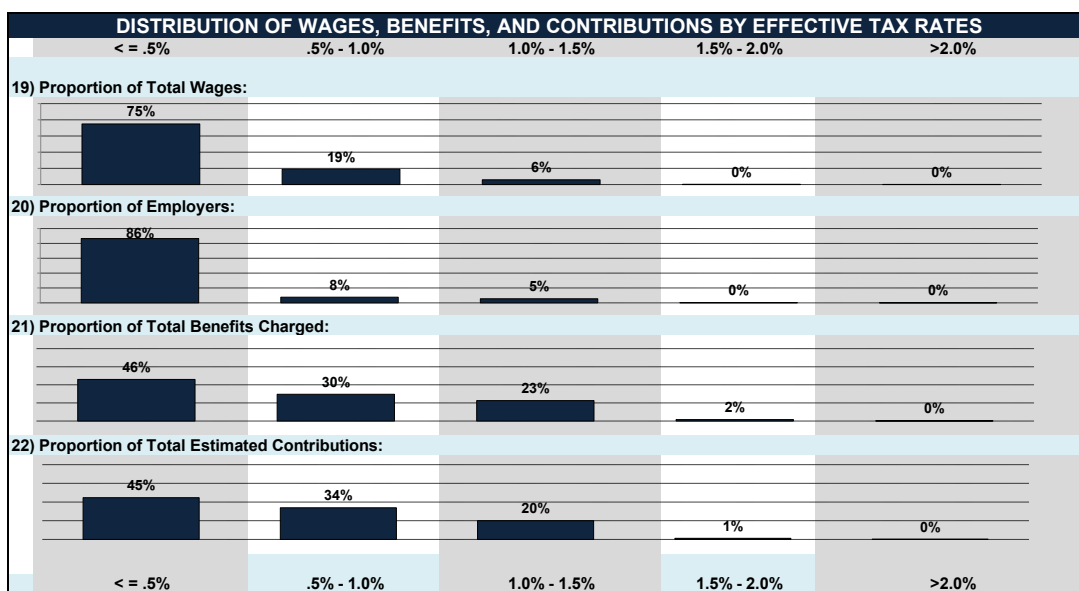
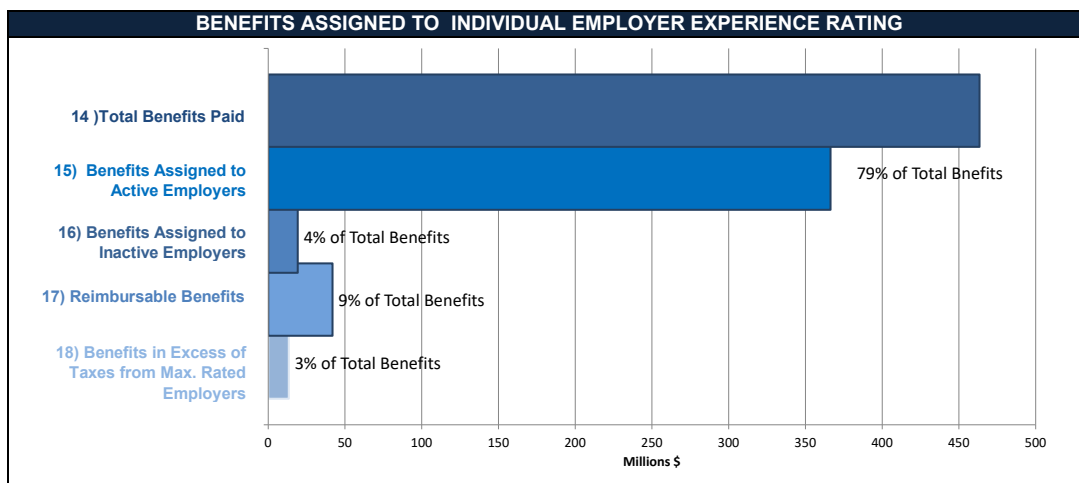
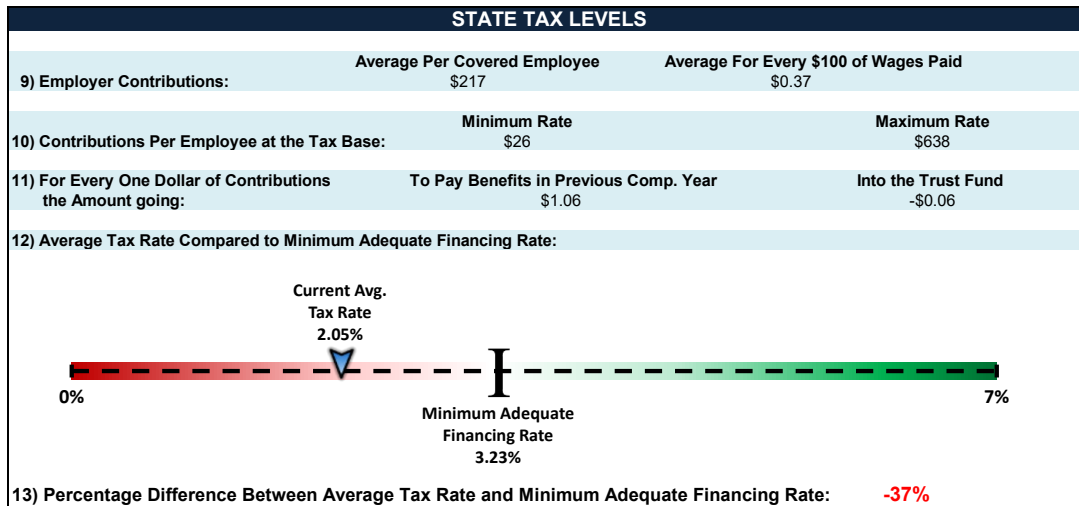
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$242	Average For Every \$100 of Wages Paid \$0.56
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$648
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.82	Into the Trust Fund \$0.18
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate: 1.79% Minimum Adequate Financing Rate: 2.21%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -19%		



¹ See "New Employer Tax Rate Table" for more information

MARYLAND 2018

STATE TAX FEATURES				
1) Type of Experience Rating Method:	Benefit Ratio	2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	8,500	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.37 / 2.05	6) New Employer Tax Rate (%) ¹ :	2.6	
7) Statutory Tax Rate (Minimum / Maximum)%:	0.30 / 7.50	8) Average High Cost Multiple (1/1/2018):	0.83	

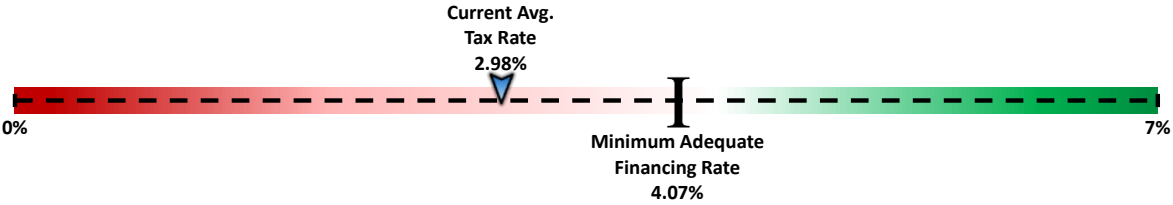


MASSACHUSETTS 2018

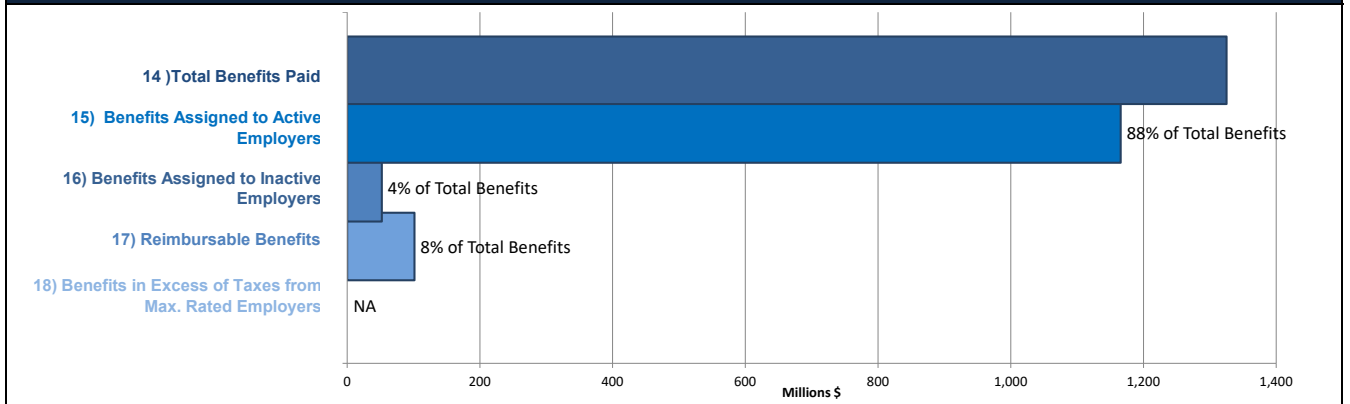
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Inverse Order	4) Taxable Wage Base (\$):	15,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.76 / 2.98	6) New Employer Tax Rate (%) ¹ :	2.1
7) Statutory Tax Rate (Minimum / Maximum)%:	0.83 / 12.65	8) Average High Cost Multiple (1/1/2018):	0.27

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$562	Average For Every \$100 of Wages Paid \$0.76
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$125	Maximum Rate \$1,898
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.84	Into the Trust Fund \$0.16
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate: 2.98% Minimum Adequate Financing Rate: 4.07%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -27%		

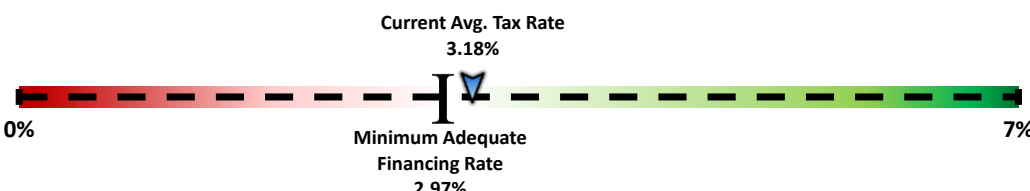
BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING

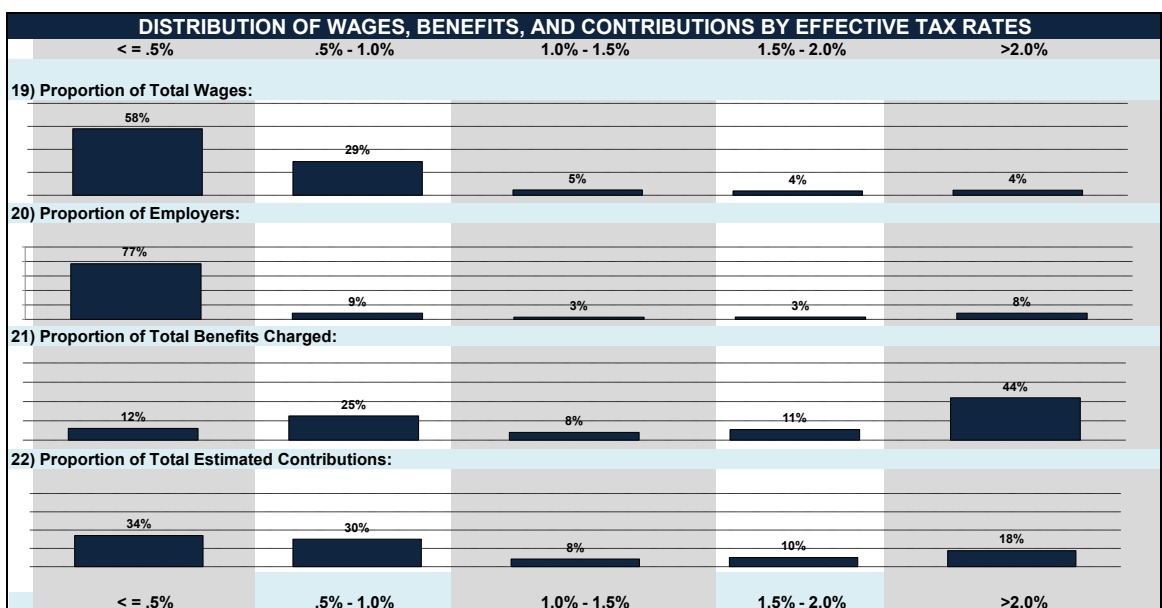
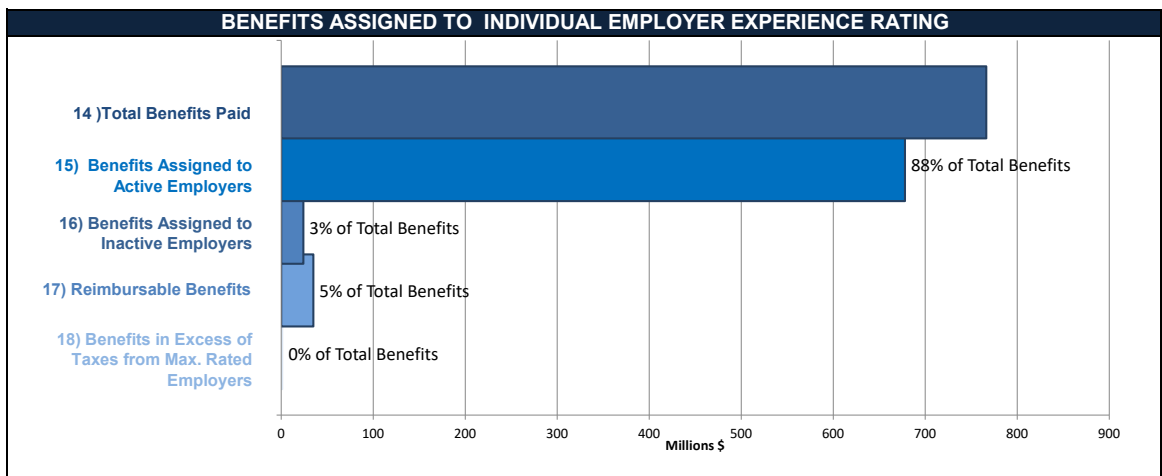


¹ See "New Employer Tax Rate Table" for more information
NA - Not Available

MICHIGAN 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Most Recent		4) Taxable Wage Base (\$):	9,000	
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	0.64	/	3.18	6) New Employer Tax Rate (%) ² :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	6.30	8) Average High Cost Multiple (1/1/2018):	0.94

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$352	Average For Every \$100 of Wages Paid \$0.64
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$567
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.63	Into the Trust Fund \$0.37
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 3.18% Minimum Adequate Financing Rate 2.97%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 7%		

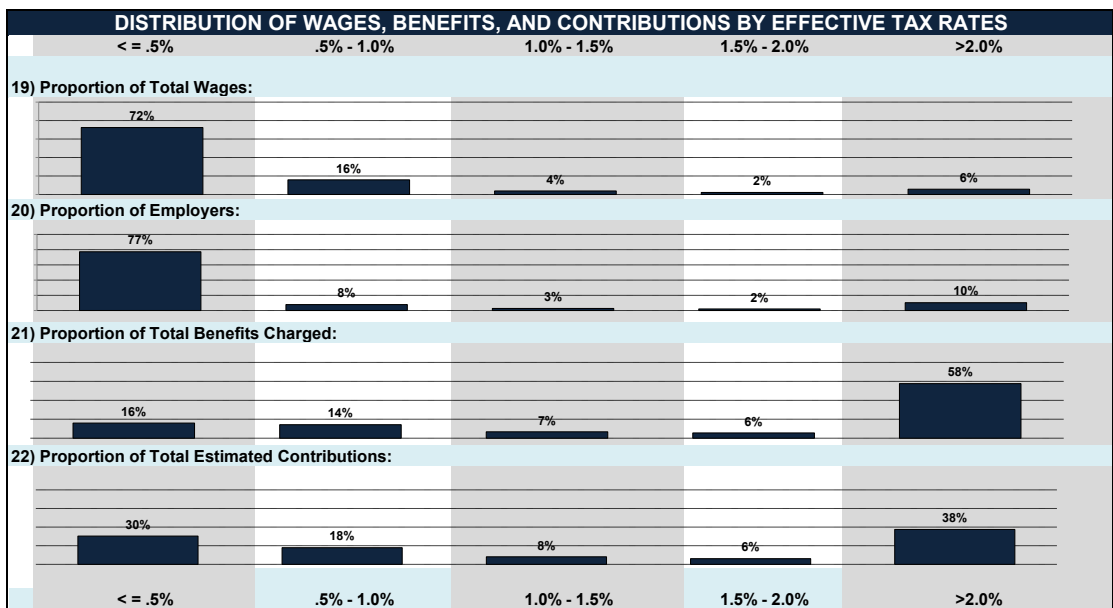
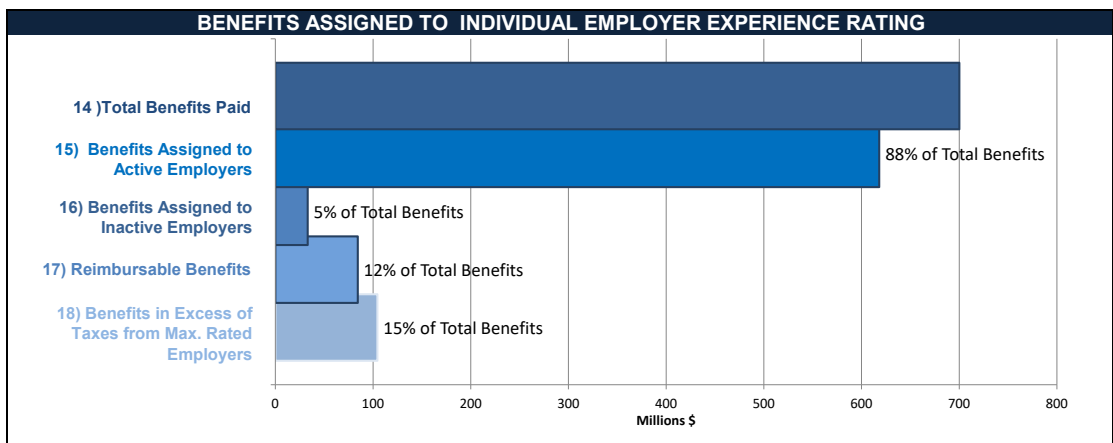


¹ All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
² See "New Employer Tax Rate Table" for more information

MINNESOTA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:		Benefit Ratio		2) Type of Employer Ranking:	
3) Type of Charging Method:		Proportionally		4) Taxable Wage Base (\$):	
5) Avg. Tax Rate (Total / Taxable Wages) %:		0.56	/	1.16	6) New Employer Tax Rate (%)¹:
7) Statutory Tax Rate (Minimum / Maximum)%:		0.10	/	9.00	8) Average High Cost Multiple (1/1/2018):
					Fixed
					32,000
					InAvg%
					0.94

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$340	Average For Every \$100 of Wages Paid \$0.56	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$32	Maximum Rate \$2,880	
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.94	Into the Trust Fund \$0.06	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
Current Avg. Tax Rate 1.16% 0% 1.46% 7% Minimum Adequate Financing Rate 1.46%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -20%			

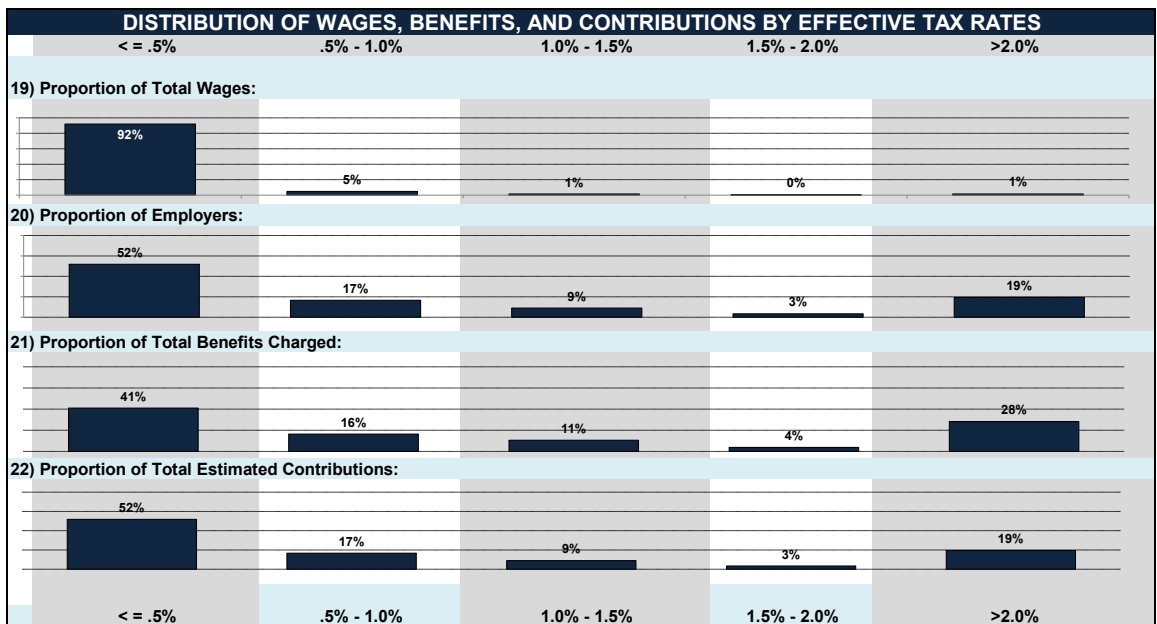
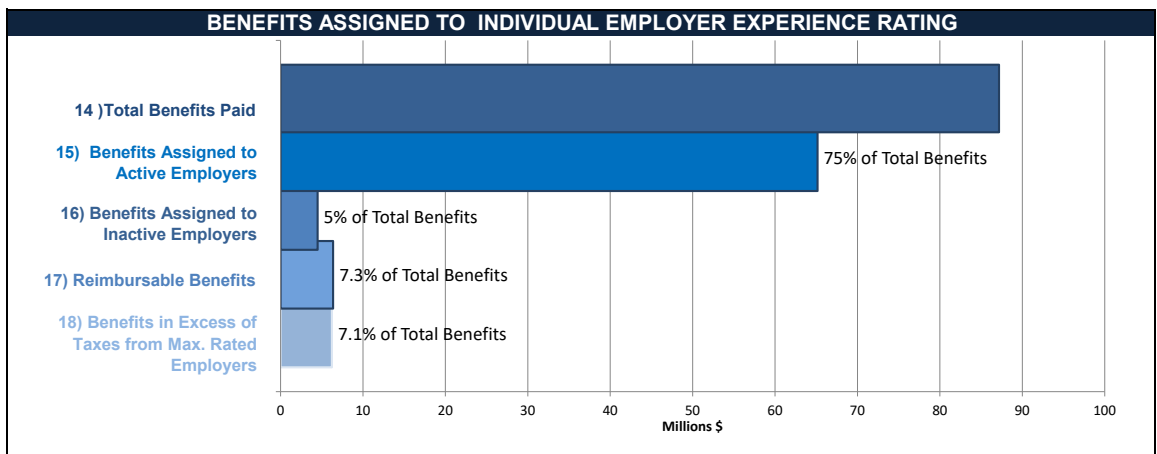


¹ See "New Employer Tax Rate Table" for more information

MISSISSIPPI 2018

STATE TAX FEATURES							
1) Type of Experience Rating Method:		Benefit Ratio		2) Type of Employer Ranking:		Fixed	
3) Type of Charging Method:		Proportionally		4) Taxable Wage Base (\$):		14,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:		0.21	/	0.55	6) New Employer Tax Rate (%) ¹ :		1.0
7) Statutory Tax Rate (Minimum / Maximum)%:		0.00	/	5.40	8) Average High Cost Multiple (1/1/2018):		1.88

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$77	Average For Every \$100 of Wages Paid \$0.21
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$756
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$1.28	Into the Trust Fund -\$0.28
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 0.55% </		



¹ See "New Employer Tax Rate Table" for more information

MISSOURI 2018

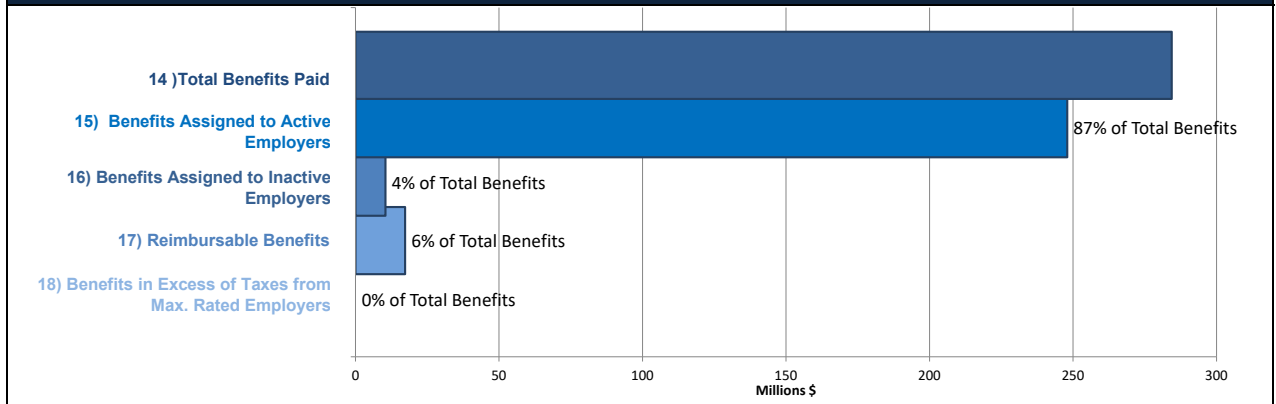
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	12,500
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.33 / 1.14	6) New Employer Tax Rate (%) ¹ :	2.5
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 6.98	8) Average High Cost Multiple (1/1/2018):	0.71

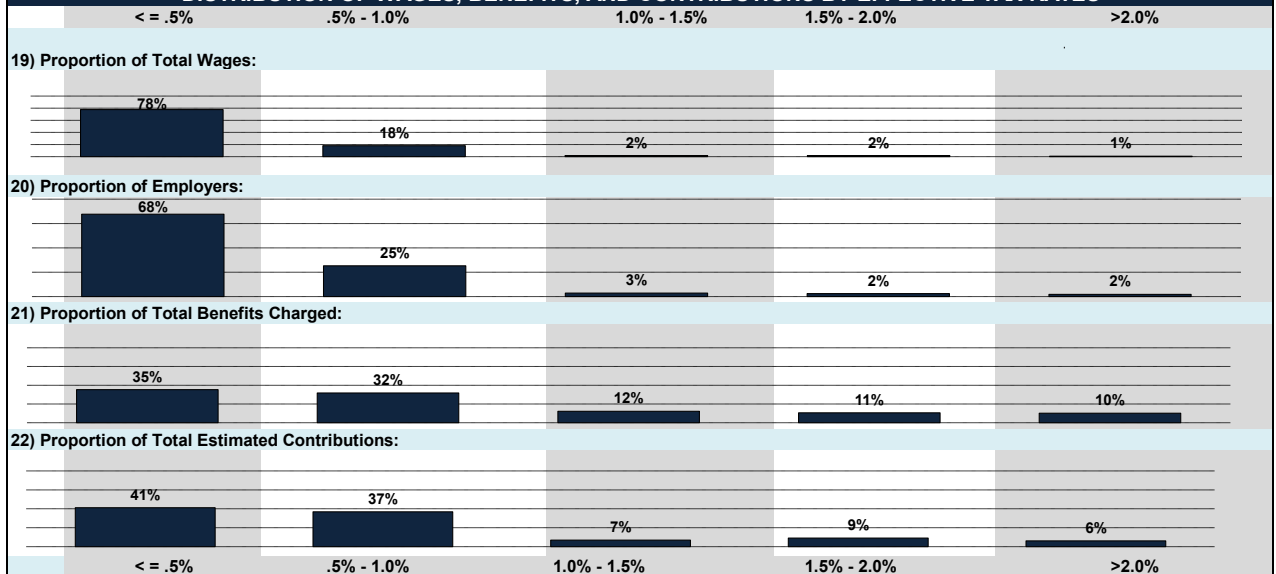
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$164	Average For Every \$100 of Wages Paid \$0.33
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$872
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.79	Into the Trust Fund \$0.21
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.14% Minimum Adequate Financing Rate 1.50%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -24%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES



¹ See "New Employer Tax Rate Table" for more information

MONTANA 2018

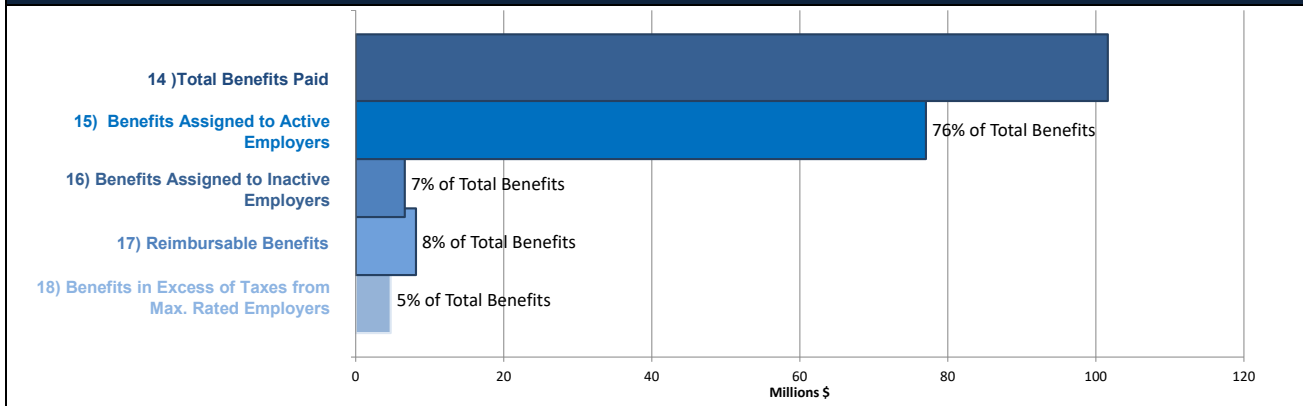
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	32,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.86 / 1.30	6) New Employer Tax Rate (%) ¹ :	InAvg%
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 6.12	8) Average High Cost Multiple (1/1/2018):	1.41

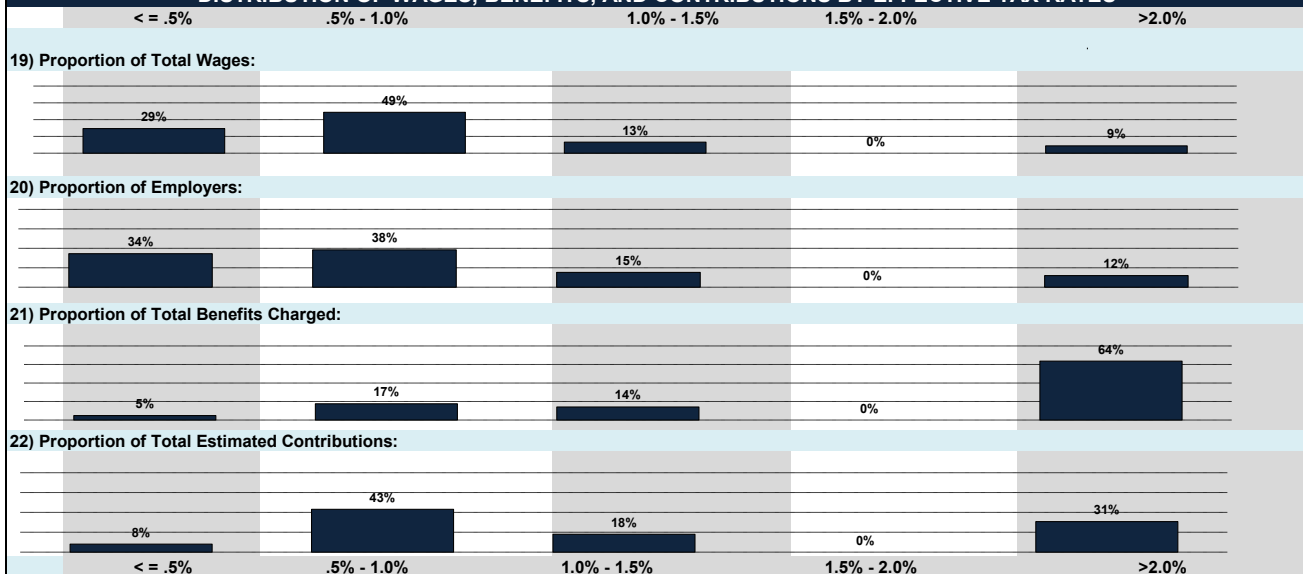
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$298	Average For Every \$100 of Wages Paid \$0.86
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$1,958
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.89	Into the Trust Fund \$0.11
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.30% Minimum Adequate Financing Rate 1.15%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 13%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

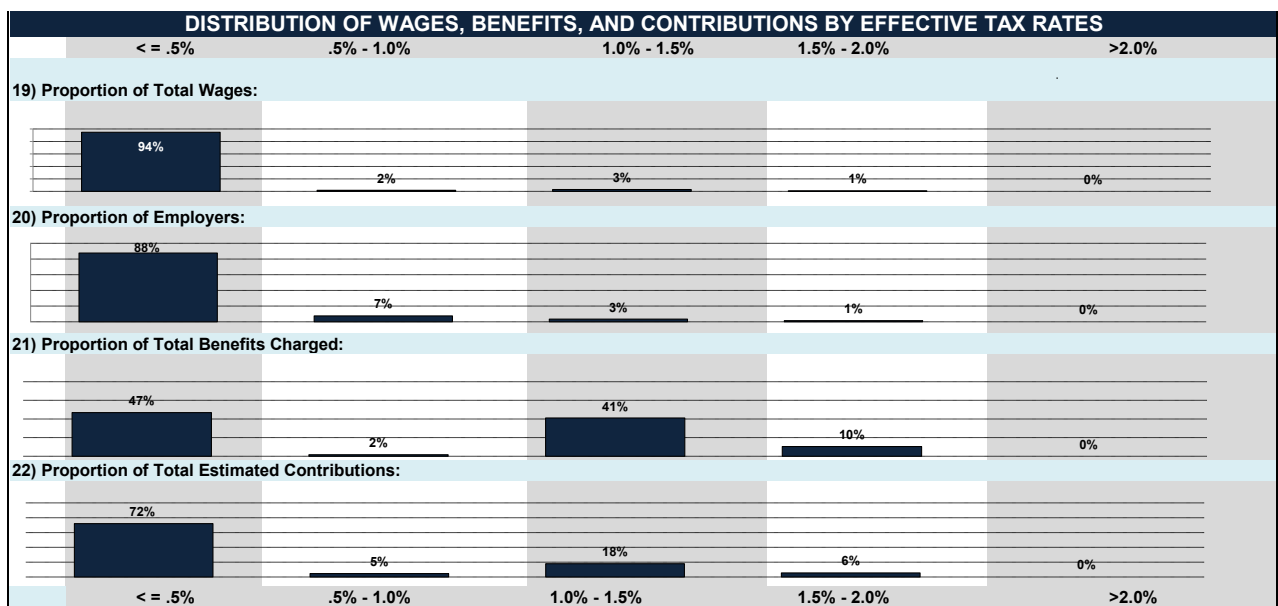
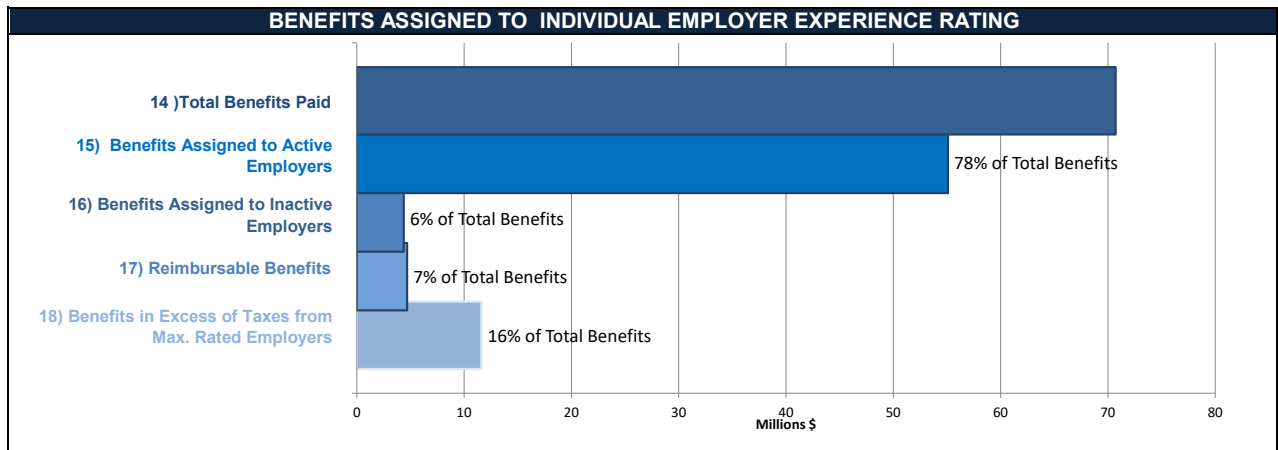


¹ See "New Employer Tax Rate Table" for more information

NEBRASKA 2018

STATE TAX FEATURES				
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array	
3) Type of Charging Method:	Inverse Order	4) Taxable Wage Base (\$):	9,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.21 / 0.90	6) New Employer Tax Rate (%) ¹ :	1.3	
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 5.40	8) Average High Cost Multiple (1/1/2018):	1.75	

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$93	Average For Every \$100 of Wages Paid \$0.21
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$486
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$1.00	Into the Trust Fund \$0.00
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 0.90% 0% Minimum Adequate Financing Rate 0.62% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 45%		



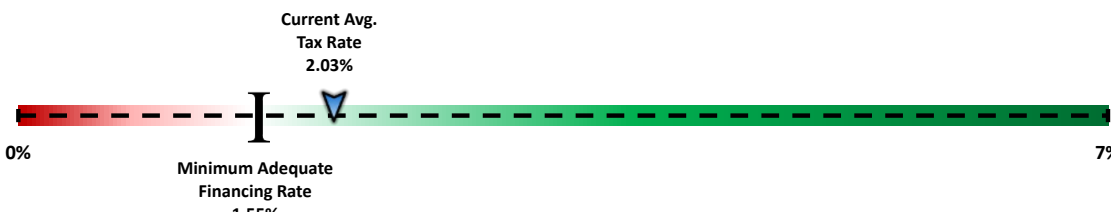
¹ See "New Employer Tax Rate Table" for more information

NEVADA 2018

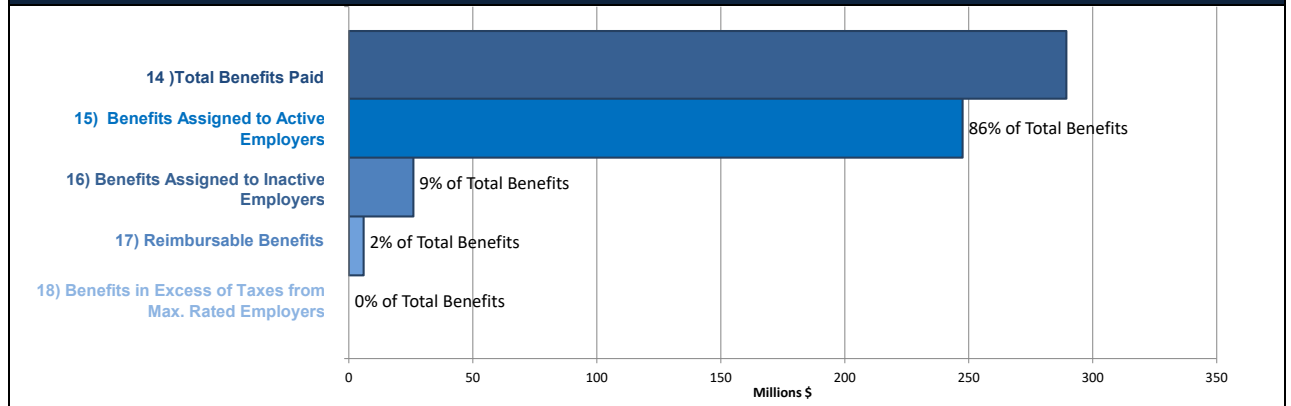
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	30,500
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	1.06 / 2.03	6) New Employer Tax Rate (%) ² :	3.0
7) Statutory Tax Rate (Minimum / Maximum)%:	0.25 / 5.40	8) Average High Cost Multiple (1/1/2018):	0.95

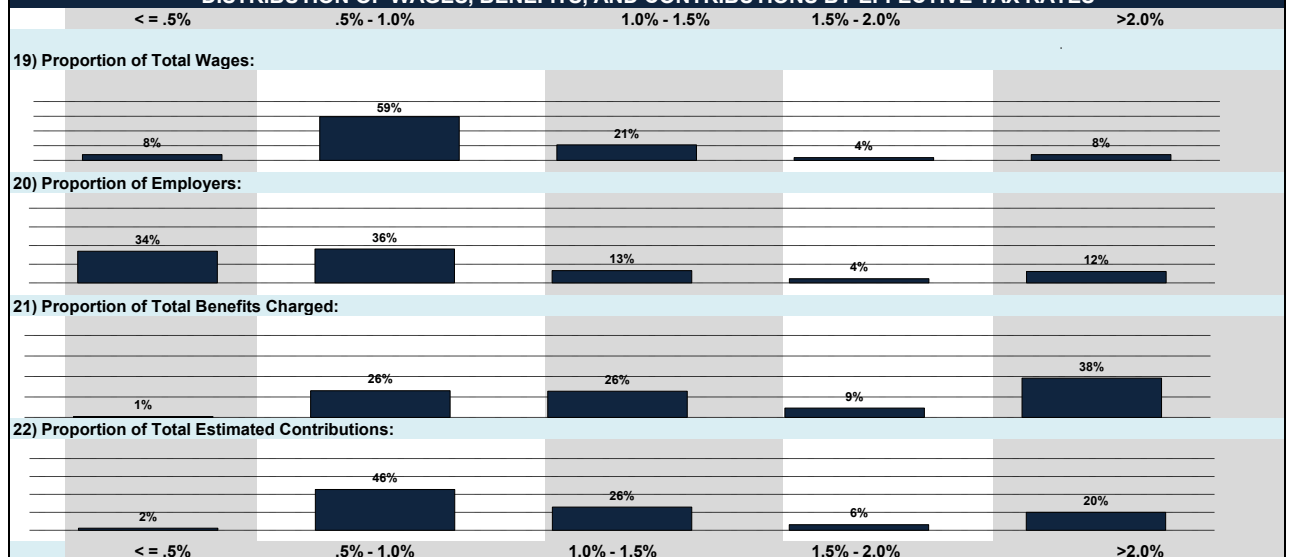
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$507	Average For Every \$100 of Wages Paid \$1.06
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$76	Maximum Rate \$1,647
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.48	Into the Trust Fund \$0.52
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate: 2.03% Minimum Adequate Financing Rate: 1.55%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 31%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



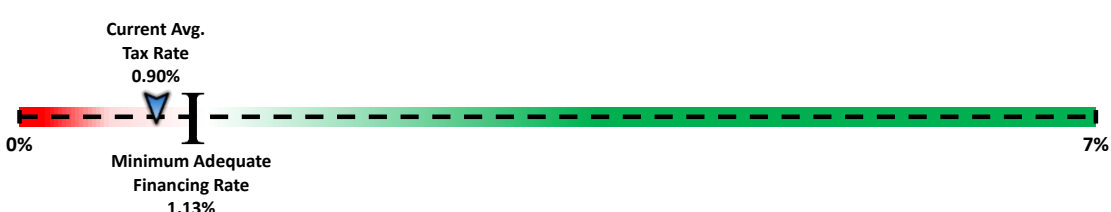
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

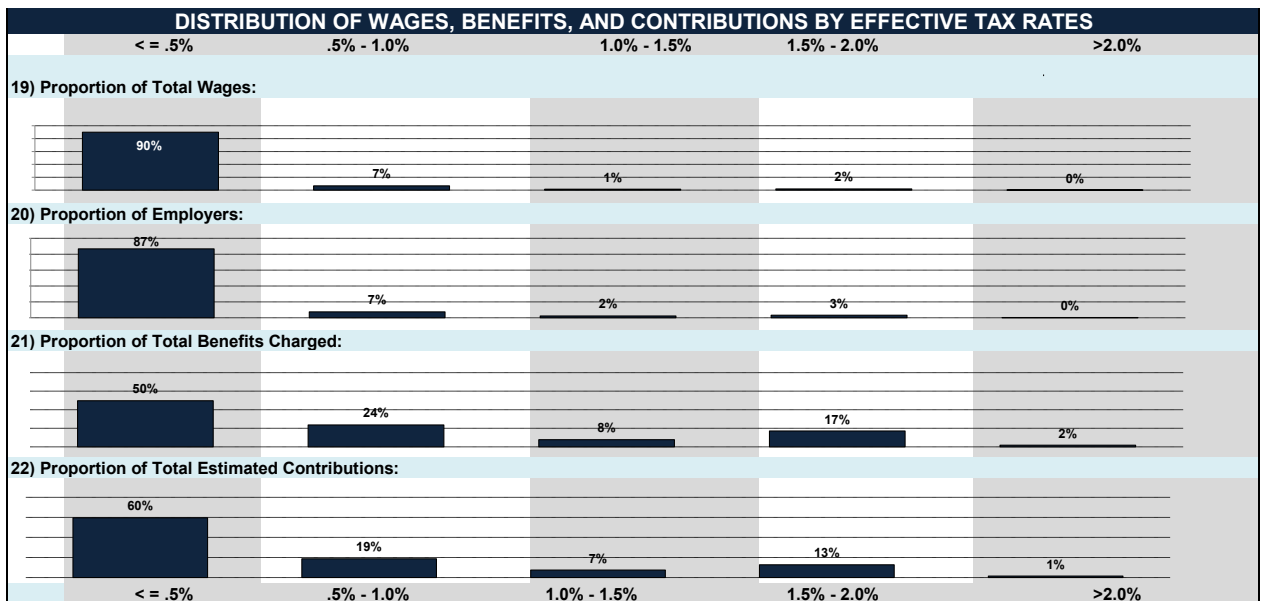
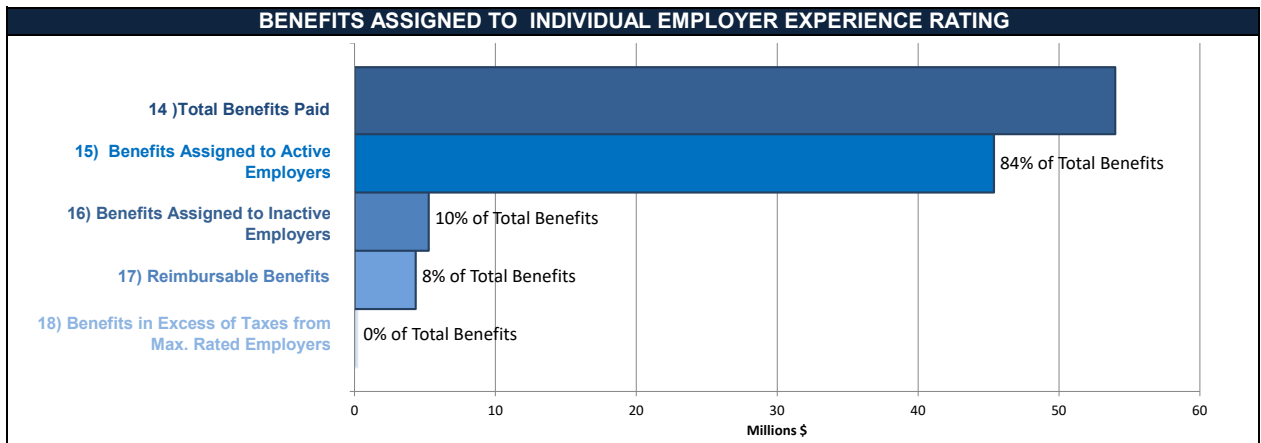


1 All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
2 See "New Employer Tax Rate Table" for more information

NEW HAMPSHIRE 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Most Recent		4) Taxable Wage Base (\$):	14,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.23	/	0.90	6) New Employer Tax Rate (%) ¹ :	1.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10	/	7.50	8) Average High Cost Multiple (1/1/2018):	1.05

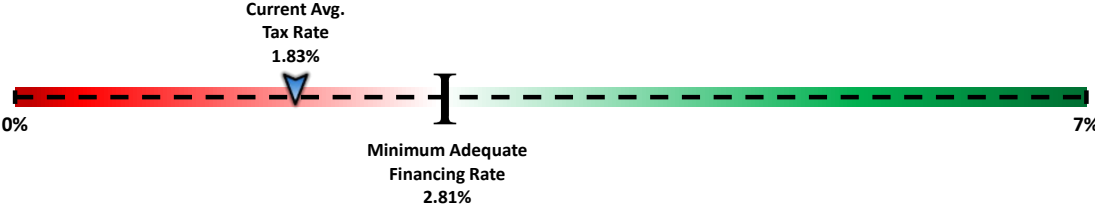
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$132	Average For Every \$100 of Wages Paid \$0.23
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$14	Maximum Rate \$1,050
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.80	Into the Trust Fund \$0.20
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 0.90% Minimum Adequate Financing Rate 1.13%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -21%		

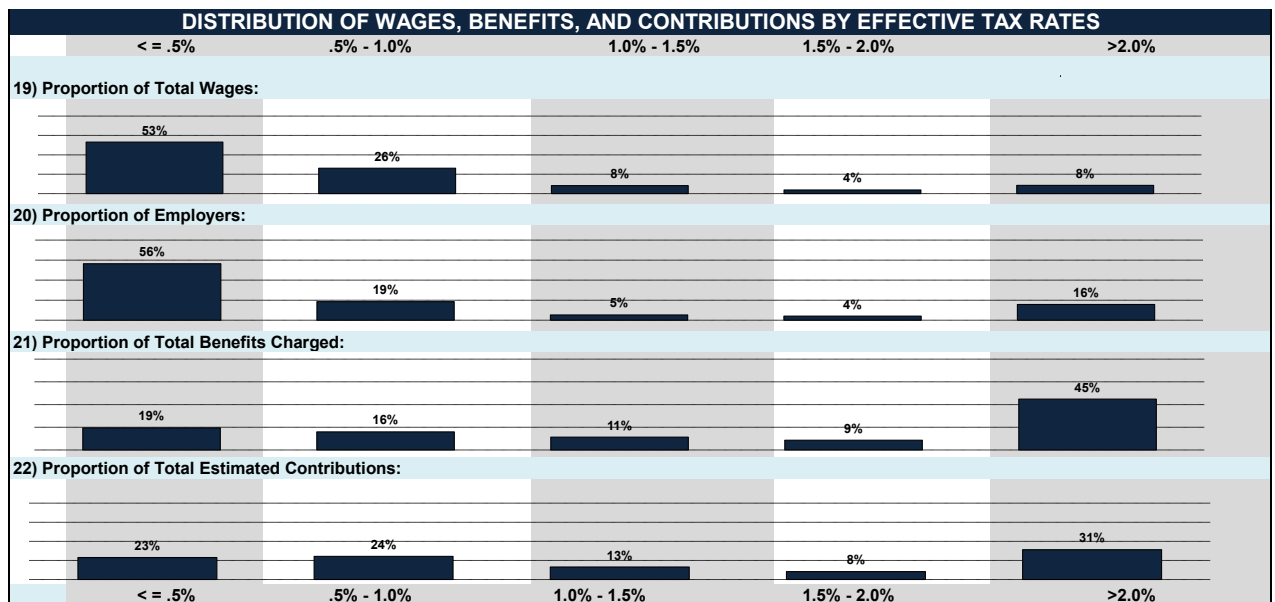
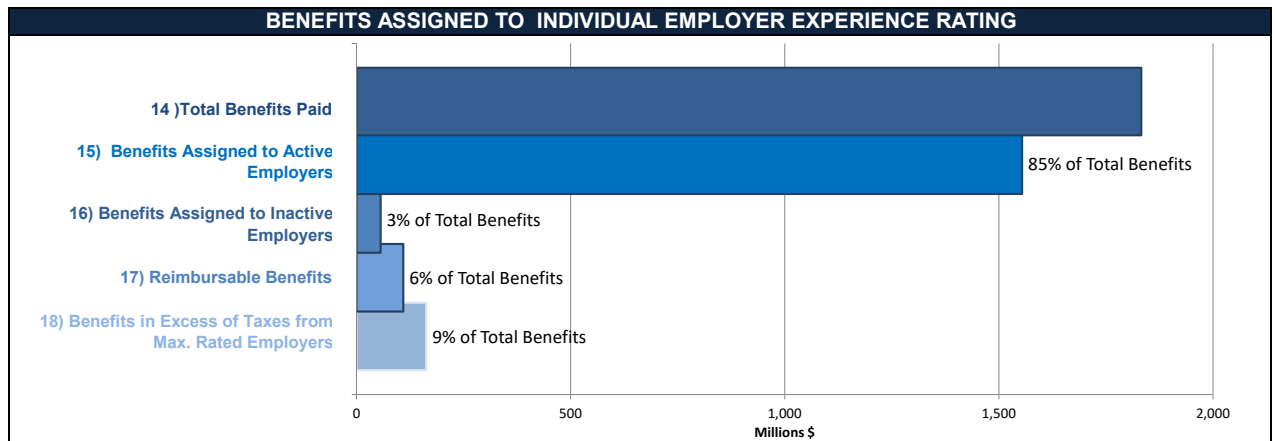


¹ See "New Employer Tax Rate Table" for more information

NEW JERSEY 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	33,700	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.80	/	1.83	6) New Employer Tax Rate (%) ¹ :	2.8
7) Statutory Tax Rate (Minimum / Maximum)%:	0.50	/	5.80	8) Average High Cost Multiple (1/1/2018):	0.57

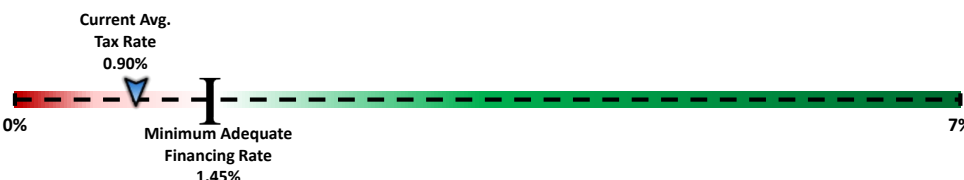
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$489	Average For Every \$100 of Wages Paid \$0.80
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$169	Maximum Rate \$1,955
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$1.13	Into the Trust Fund -\$0.13
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.83% Minimum Adequate Financing Rate 2.81% 0% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -35%		

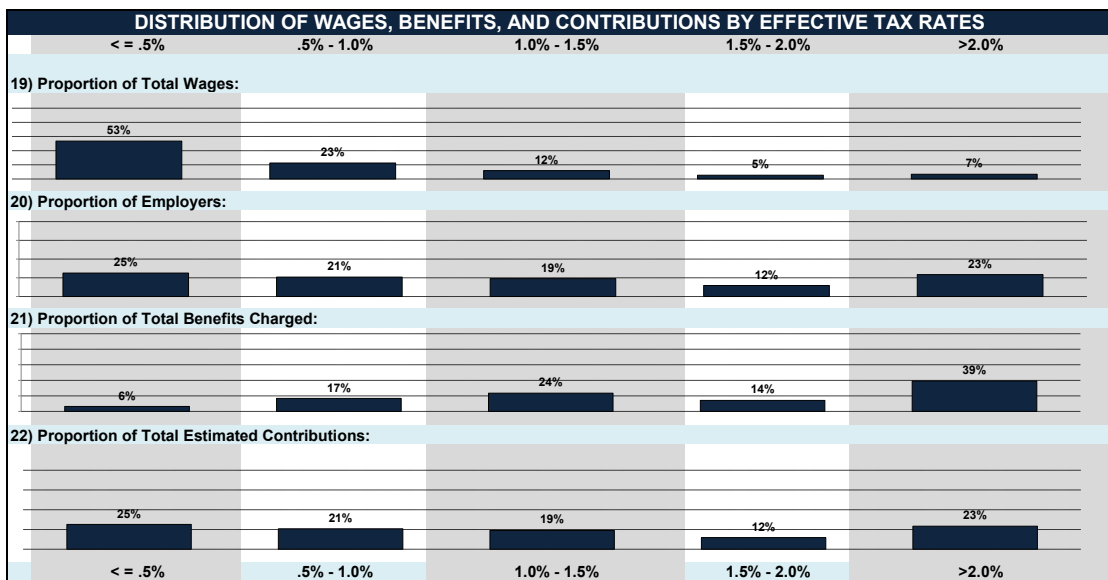
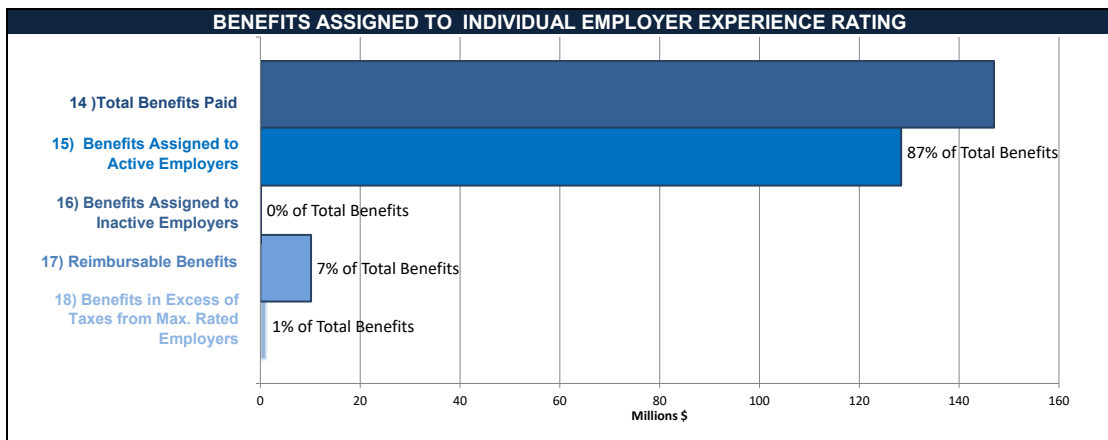


¹ See "New Employer Tax Rate Table" for more information

NEW MEXICO 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:		Benefit Ratio		2) Type of Employer Ranking: Fixed	
3) Type of Charging Method:		Proportionally		4) Taxable Wage Base (\$): 24,200	
5) Avg. Tax Rate (Total / Taxable Wages) %:		0.47	/	0.90	6) New Employer Tax Rate (%) ¹ : InAvg%
7) Statutory Tax Rate (Minimum / Maximum)%:		0.33	/	5.40	8) Average High Cost Multiple (1/1/2018): 1.17

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$307	Average For Every \$100 of Wages Paid \$0.47
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$80	Maximum Rate \$1,307
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.76	Into the Trust Fund \$0.24
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 0.90% Minimum Adequate Financing Rate 1.45%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -38%		

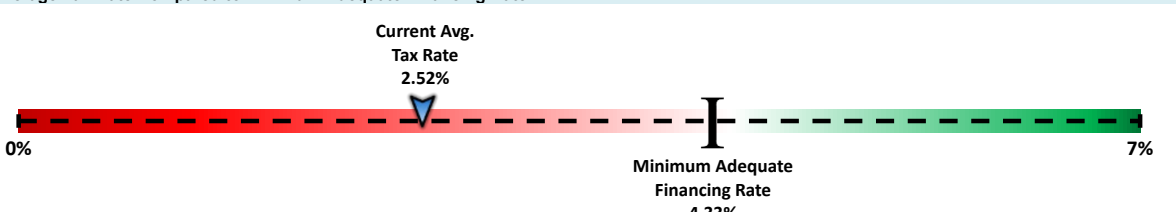


NEW YORK 2018

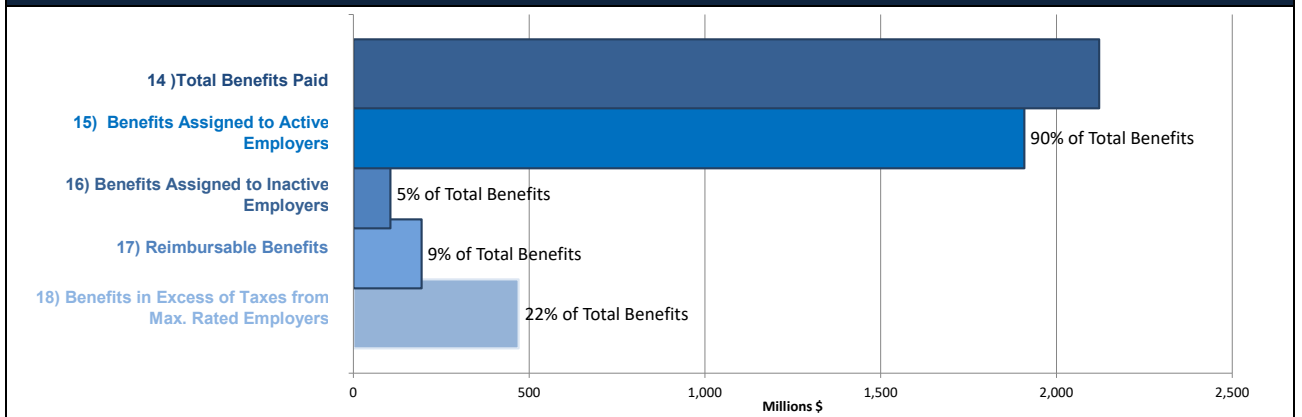
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	11,100
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.44 / 2.52	6) New Employer Tax Rate (%) ¹ :	2.9
7) Statutory Tax Rate (Minimum / Maximum)%:	0.30 / 7.30	8) Average High Cost Multiple (1/1/2018):	0.28

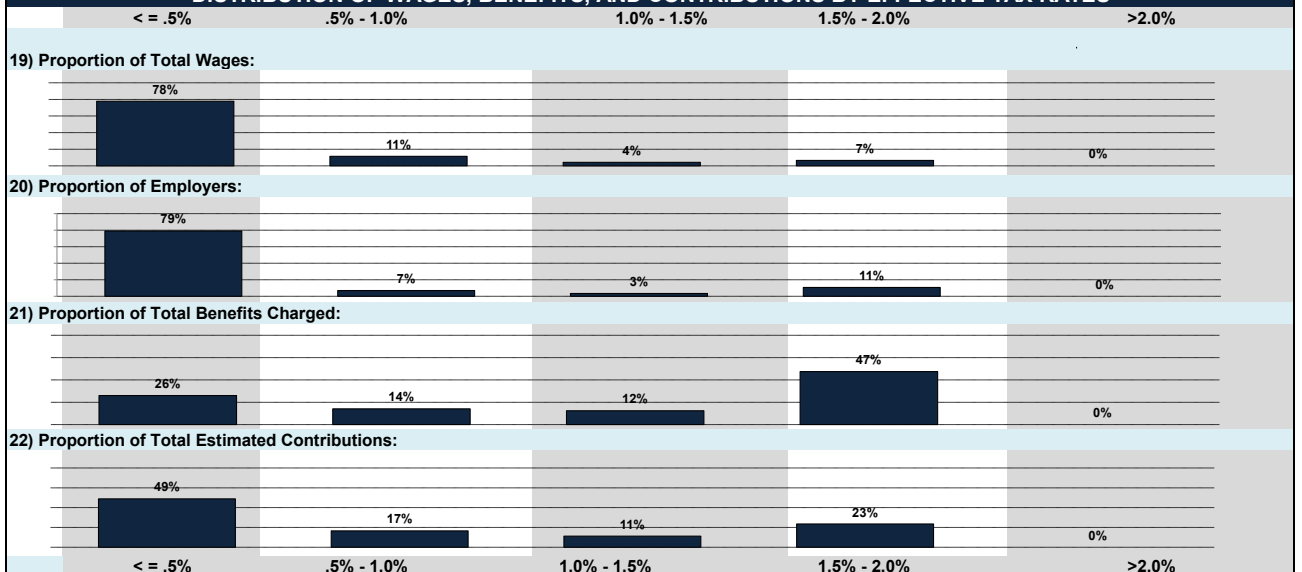
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$334	Average For Every \$100 of Wages Paid \$0.44
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$33	Maximum Rate \$810
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.92	Into the Trust Fund \$0.08
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 2.52% Minimum Adequate Financing Rate 4.33%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -42%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES



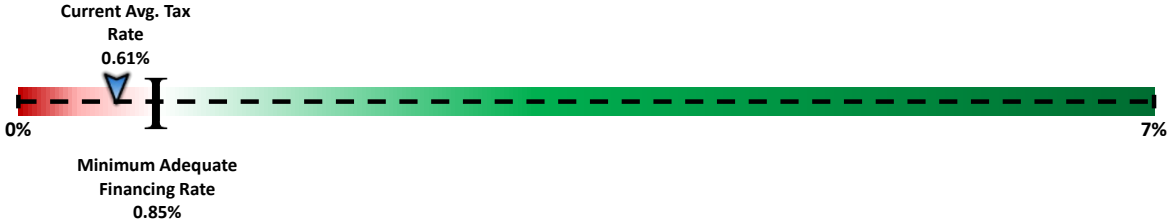
¹ See "New Employer Tax Rate Table" for more information

NORTH CAROLINA 2018

STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	23,500
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.26 / 0.61	6) New Employer Tax Rate (%) ¹ :	1.0
7) Statutory Tax Rate (Minimum / Maximum)%:	0.06 / 5.76	8) Average High Cost Multiple (1/1/2018):	1.21

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$136	Average For Every \$100 of Wages Paid \$0.26
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$14	Maximum Rate \$1,354
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.39	Into the Trust Fund \$0.61
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 0.61% Minimum Adequate Financing Rate 0.85%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:	-28%	

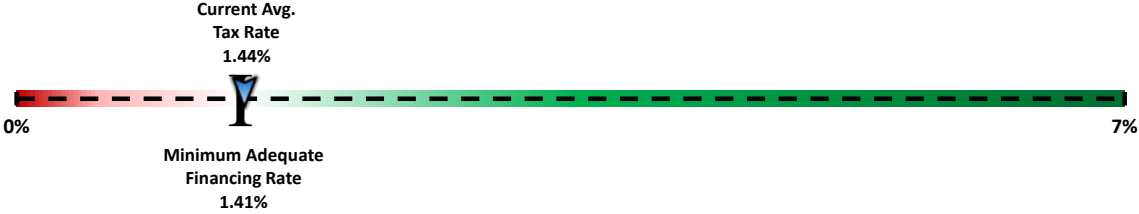
¹ See "New Employer Tax Rate Table" for more information

NORTH DAKOTA 2018

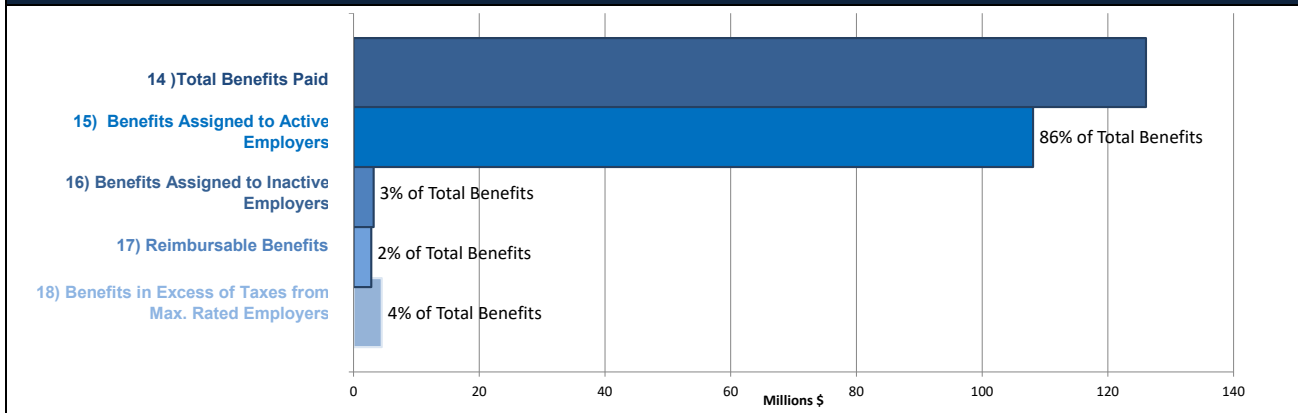
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Array
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	35,500
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.83 / 1.44	6) New Employer Tax Rate (%) ¹ :	1.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.30 / 10.74	8) Average High Cost Multiple (1/1/2018):	0.85

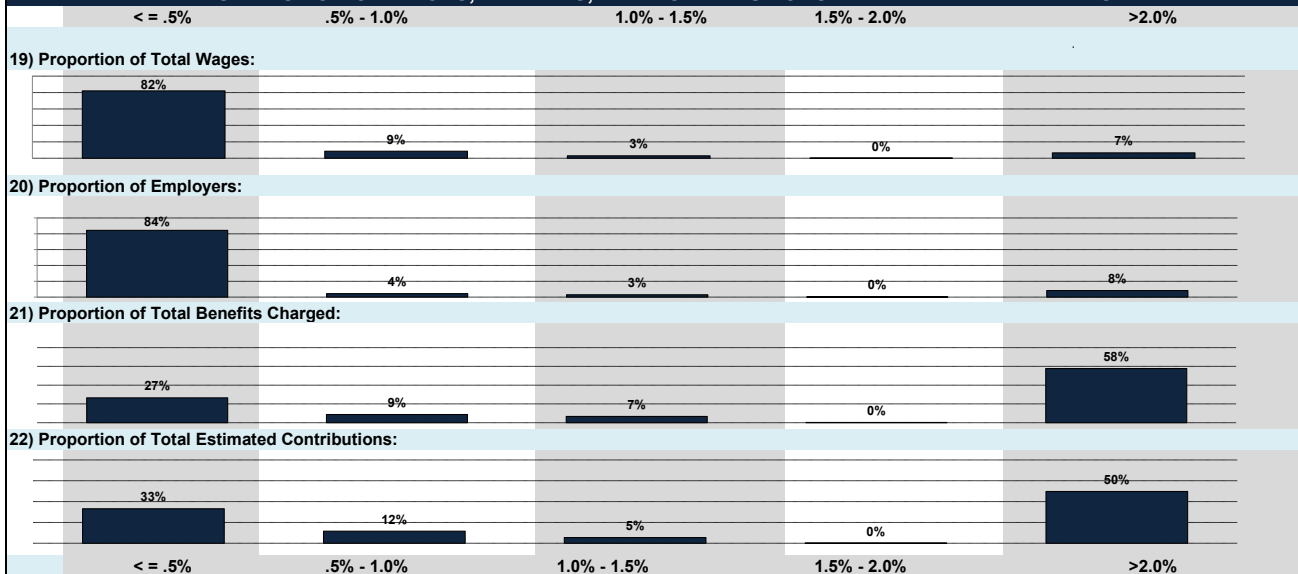
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$339	Average For Every \$100 of Wages Paid \$0.83
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$107	Maximum Rate \$3,813
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$1.26	Into the Trust Fund -\$0.26
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.44% Minimum Adequate Financing Rate 1.41%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 2%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



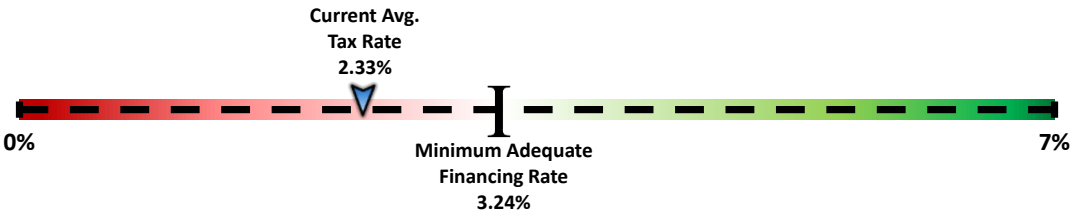
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

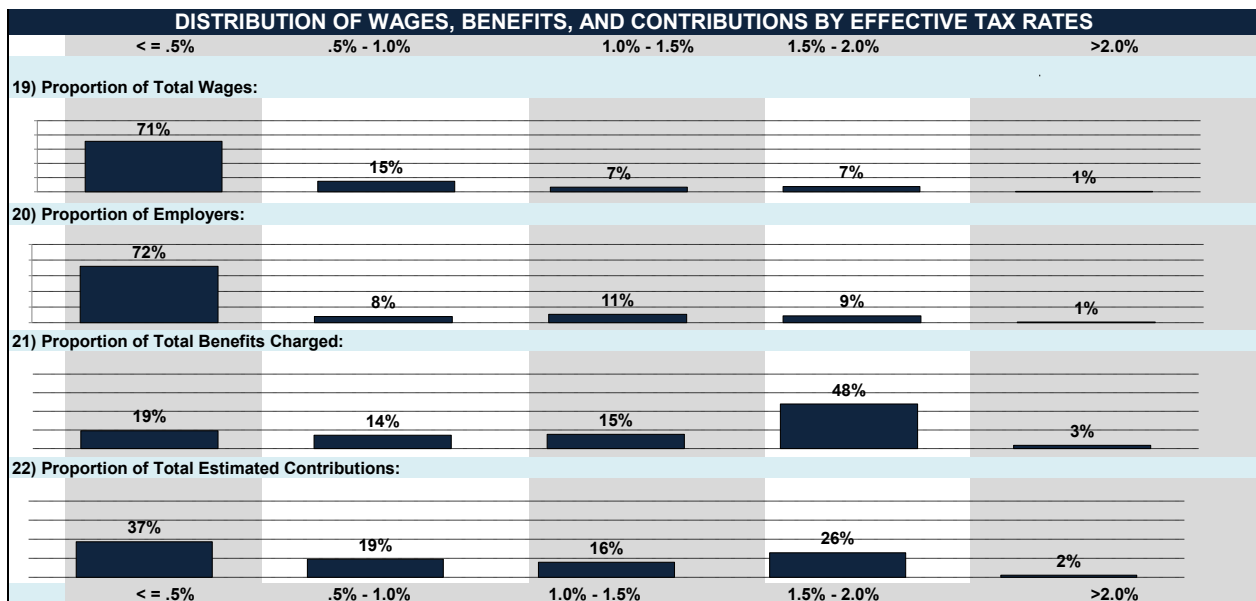
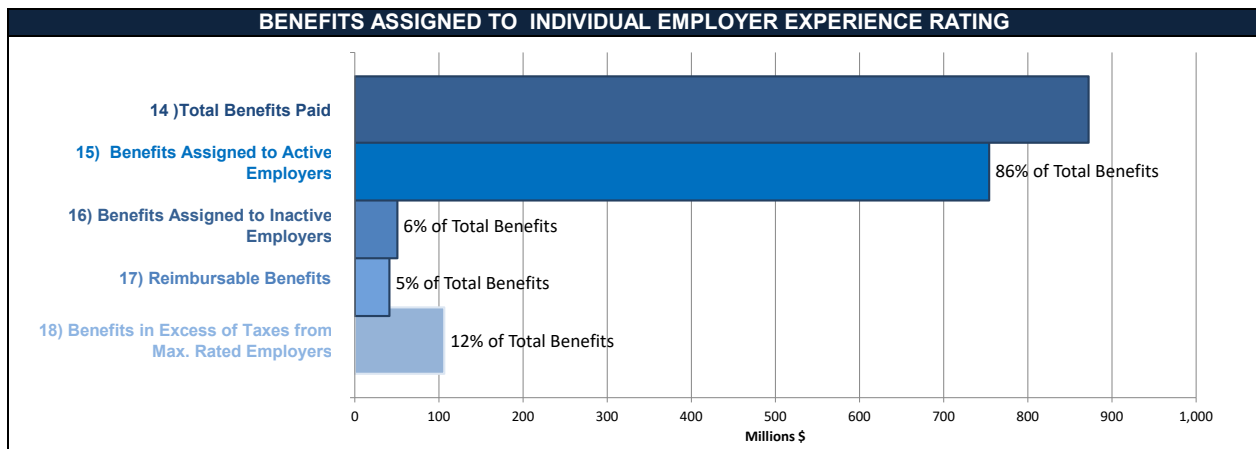


¹ See "New Employer Tax Rate Table" for more information

OHIO 2018

STATE TAX FEATURES						
1) Type of Experience Rating Method:		Reserve Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:		Proportionally		4) Taxable Wage Base (\$):	9,500	
5) Avg. Tax Rate (Total / Taxable Wages) %:		0.51	/	2.33	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:		0.30	/	9.00	8) Average High Cost Multiple (1/1/2018):	0.23

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$247	Average For Every \$100 of Wages Paid \$0.51
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$29	Maximum Rate \$855
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.84	Into the Trust Fund \$0.16
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 2.33% Minimum Adequate Financing Rate 3.24%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -28%		



¹ See "New Employer Tax Rate Table" for more information

OKLAHOMA 2018

STATE TAX FEATURES

1) Type of Experience Rating Method:	Benefit Wage	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	None	4) Taxable Wage Base (\$):	17,600
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.37 / 0.96	6) New Employer Tax Rate (%) ¹ :	1.5
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10 / 5.50	8) Average High Cost Multiple (1/1/2018):	1.70

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$174	Average For Every \$100 of Wages Paid \$0.37
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$18	Maximum Rate \$968
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$1.22	Into the Trust Fund -\$0.22

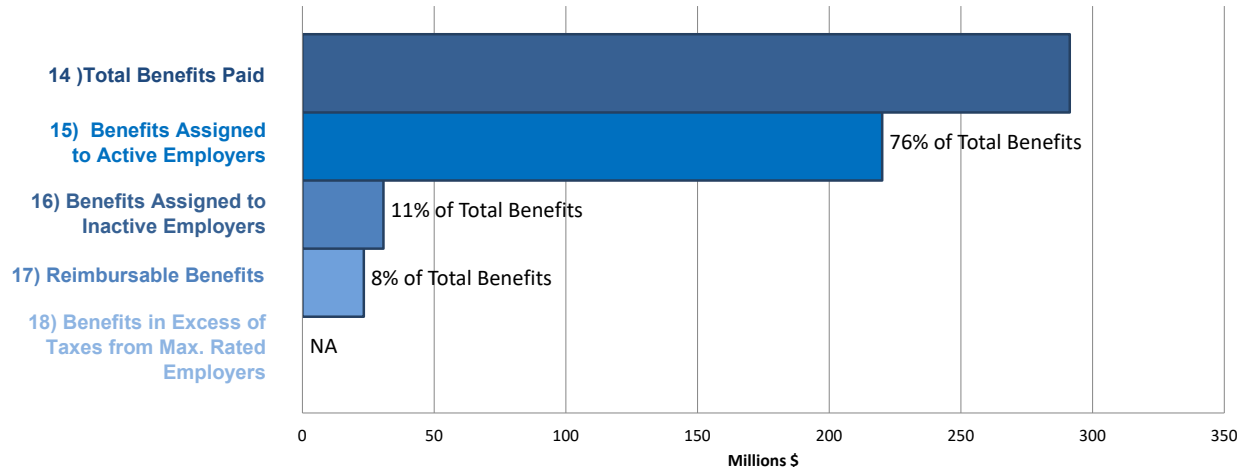
12) Average Tax Rate Compared to Min. Adequate Financing Rate:



13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:

45%

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



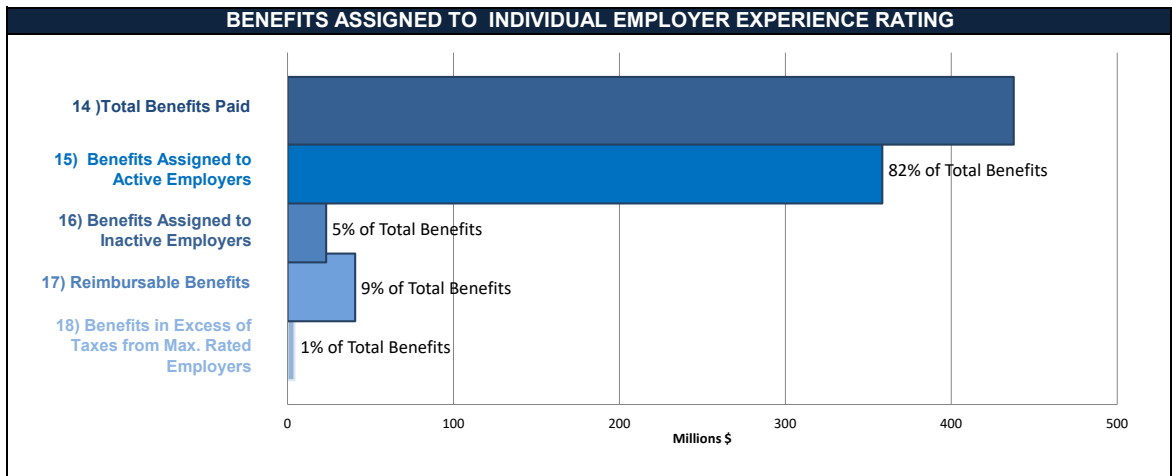
¹ See "New Employer Tax Rate Table" for more information

NA- Not Available

OREGON 2018

STATE TAX FEATURES							
1) Type of Experience Rating Method:		Benefit Ratio		2) Type of Employer Ranking:		Array	
3) Type of Charging Method:		Proportionally		4) Taxable Wage Base (\$):		39,300	
5) Avg. Tax Rate (Total / Taxable Wages) %:		1.21	/	2.01	6) New Employer Tax Rate (%) ¹ :		2.4
7) Statutory Tax Rate (Minimum / Maximum)%:		0.81	/	5.40	8) Average High Cost Multiple (1/1/2018):		2.19

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$573	Average For Every \$100 of Wages Paid \$1.21	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$318	Maximum Rate \$2,122	
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.51	Into the Trust Fund \$0.49	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
Current Avg. Tax Rate 2.01%			

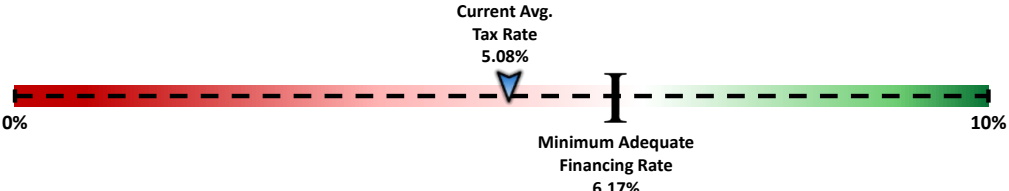


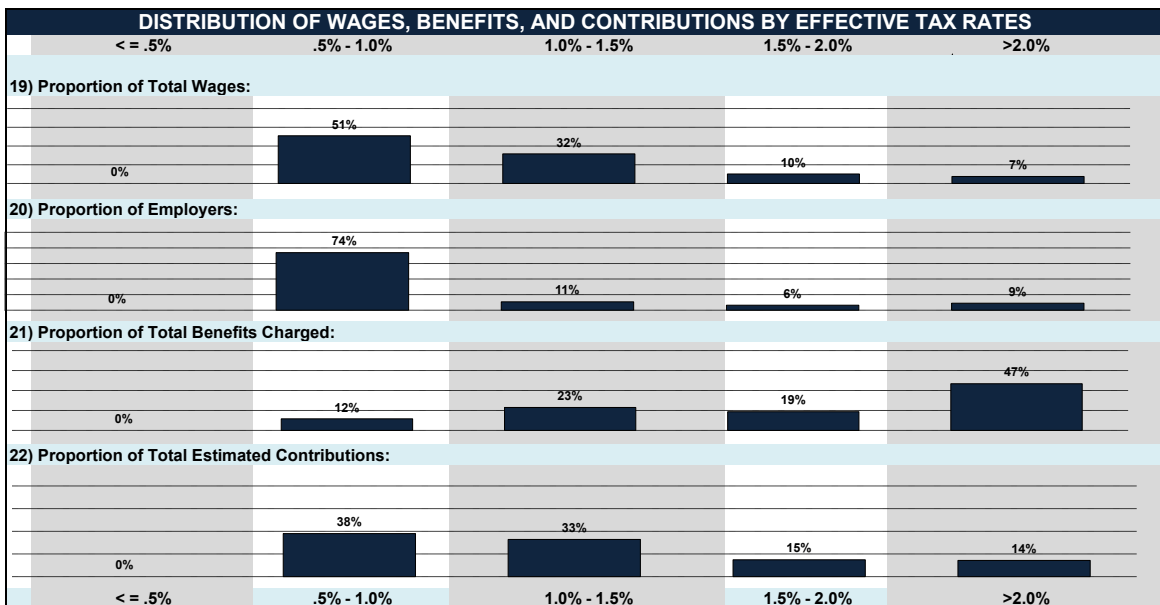
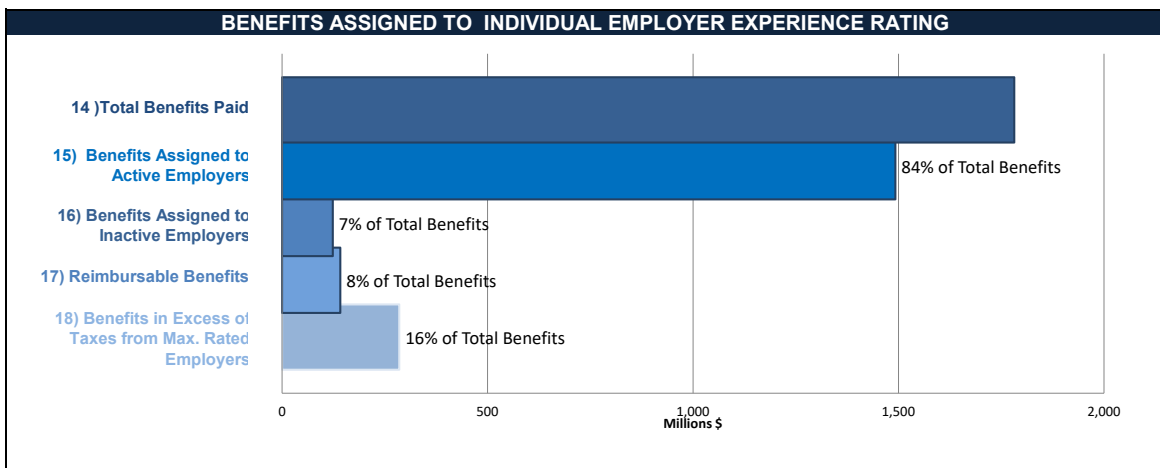
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES					
	< = .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%
19) Proportion of Total Wages:					
	0%	46%	16%	31%	7%
20) Proportion of Employers:					
	0%	73%	5%	13%	9%
21) Proportion of Total Benefits Charged:					
	0%	7%	10%	44%	39%
22) Proportion of Total Estimated Contributions:					
	0%	28%	16%	43%	13%
	< = .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%

¹ See "New Employer Tax Rate Table" for more information

PENNSYLVANIA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	10,000	
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	1.06	/	5.08	6) New Employer Tax Rate (%) ² :	3.5
7) Statutory Tax Rate (Minimum / Maximum)%:	2.39	/	11.03	8) Average High Cost Multiple (1/1/2018):	0.43

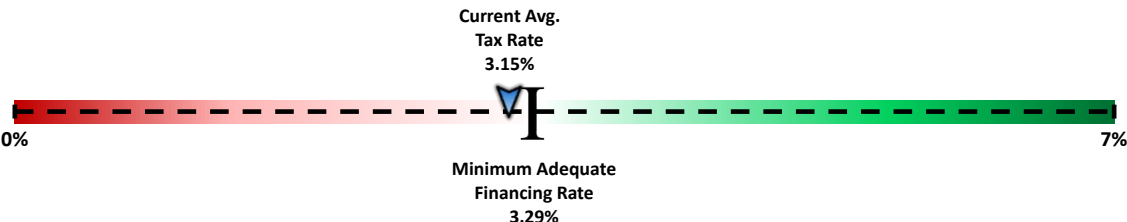
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$610	Average For Every \$100 of Wages Paid \$1.06
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$239	Maximum Rate \$1,103
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.65	Into the Trust Fund \$0.35
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 5.08% Minimum Adequate Financing Rate 6.17%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -18%		



¹ All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
² See "New Employer Tax Rate Table" for more information

PUERTO RICO 2018

STATE TAX FEATURES			
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	7,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.87 / 3.15	6) New Employer Tax Rate (%) ¹ :	3.1
7) Statutory Tax Rate (Minimum / Maximum)%:	2.20 / 5.40	8) Average High Cost Multiple (1/1/2018):	1.22

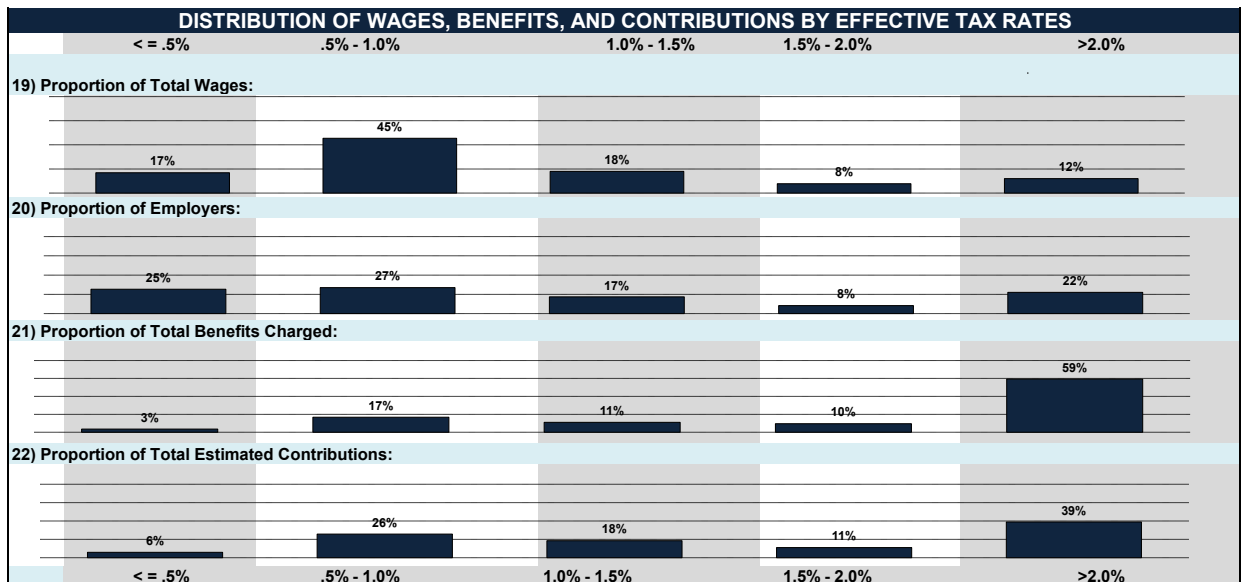
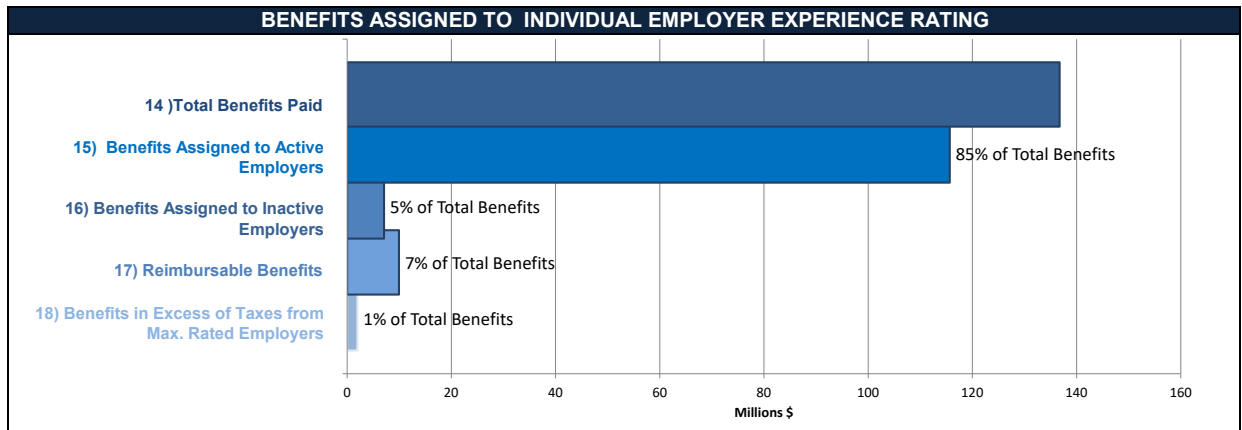
STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$244	Average For Every \$100 of Wages Paid \$0.87	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$154	Maximum Rate \$378	
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.99	Into the Trust Fund \$0.01	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:	 Current Avg. Tax Rate 3.15% Minimum Adequate Financing Rate 3.29%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:	-4%		

¹ See "New Employer Tax Rate Table" for more information

RHODE ISLAND 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed		
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	24,500		
5) Avg. Tax Rate (Total / Taxable Wages) %:	1.09 / 2.59	6) New Employer Tax Rate (%) ¹ :	1.5		
7) Statutory Tax Rate (Minimum / Maximum)%:	1.10 / 9.70	8) Average High Cost Multiple (1/1/2018):	0.65		

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$572	Average For Every \$100 of Wages Paid \$1.09	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$270	Maximum Rate \$2,377	
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.65	Into the Trust Fund \$0.35	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:	Current Avg. Tax Rate 2.59% Minimum Adequate Financing Rate 3.05%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:	-15%		

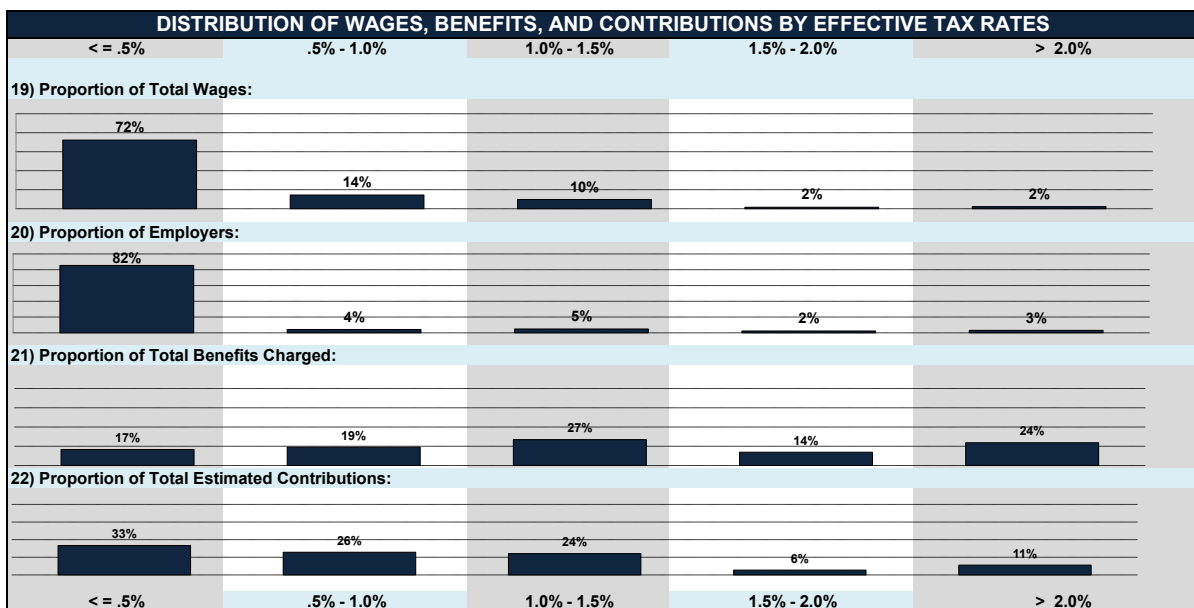
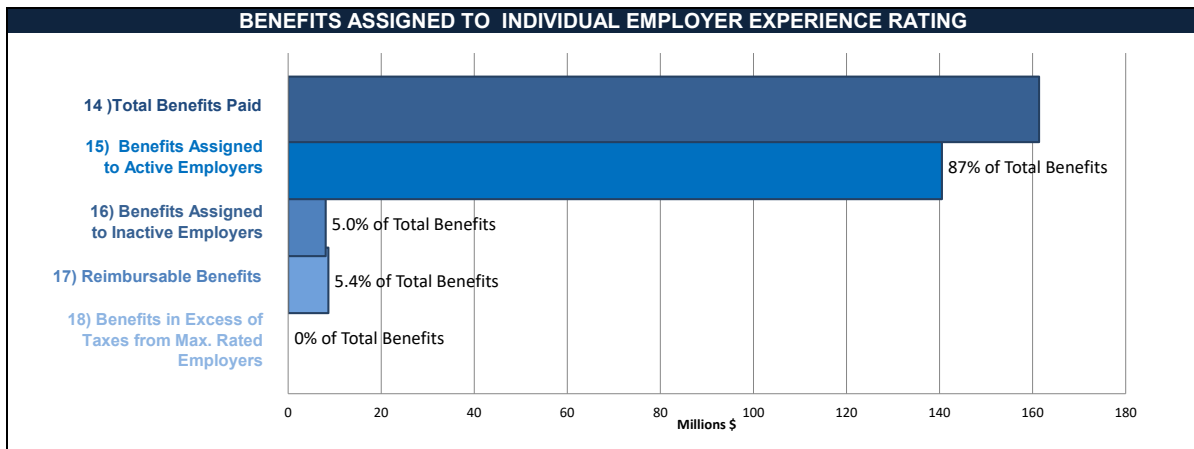


1 See "New Employer Tax Rate Table" for more information

SOUTH CAROLINA 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Array	
3) Type of Charging Method:	Most Recent		4) Taxable Wage Base (\$):	14,000	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.47	/	1.36	6) New Employer Tax Rate (%) ¹ :	1.0
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	5.40	8) Average High Cost Multiple (1/1/2018):	0.79

STATE TAX LEVELS		
9) Estimated Employer Contributions:	Average Per Covered Employee \$224	Average For Every \$100 of Wages Paid \$0.47
10) Estimated Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$756
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.43	Into the Trust Fund \$0.57
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.36% 0% Minimum Adequate Financing Rate 1.17% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 16%		



¹ See "New Employer Tax Rate Table" for more information

SOUTH DAKOTA 2018

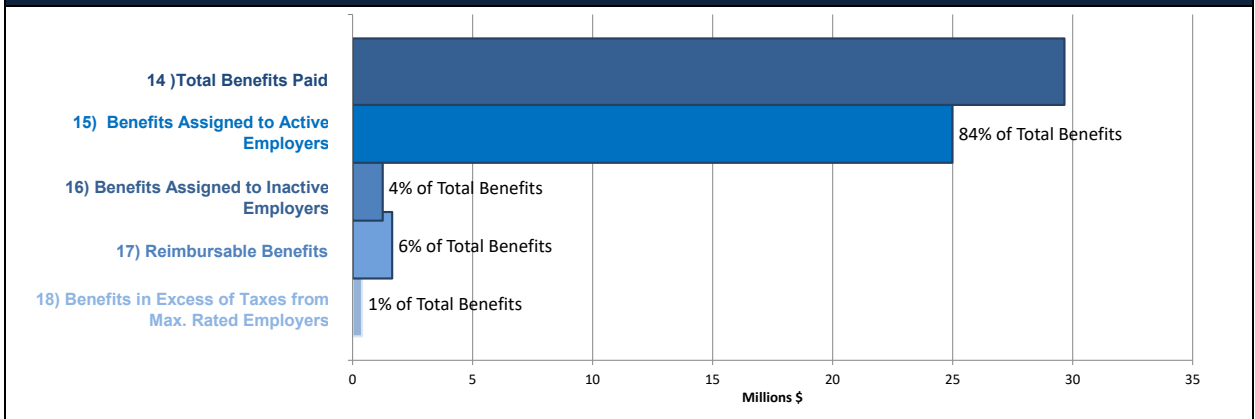
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Inverse Order	4) Taxable Wage Base (\$):	15,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.21 / 0.56	6) New Employer Tax Rate (%) ¹ :	1.2
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 9.35	8) Average High Cost Multiple (1/1/2018):	1.76

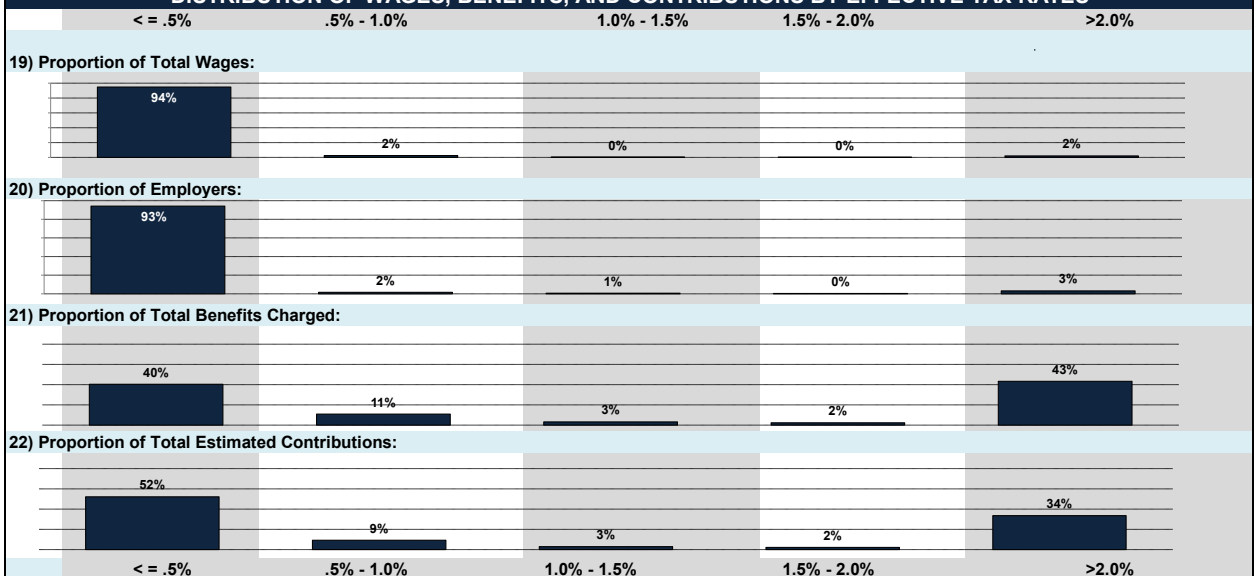
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$84	Average For Every \$100 of Wages Paid \$0.21
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$1,403
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$1.10	Into the Trust Fund -\$0.10
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 0.56% 0% Minimum Adequate Financing Rate 0.33% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 67%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



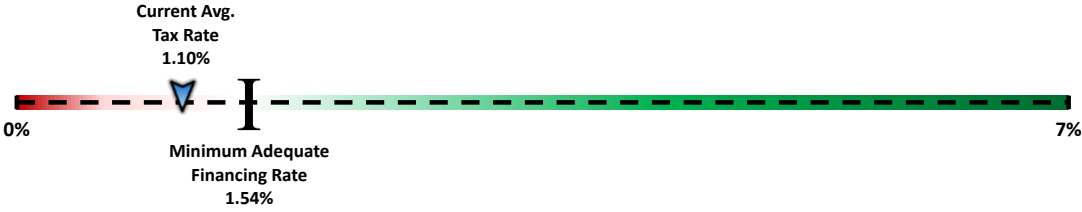
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

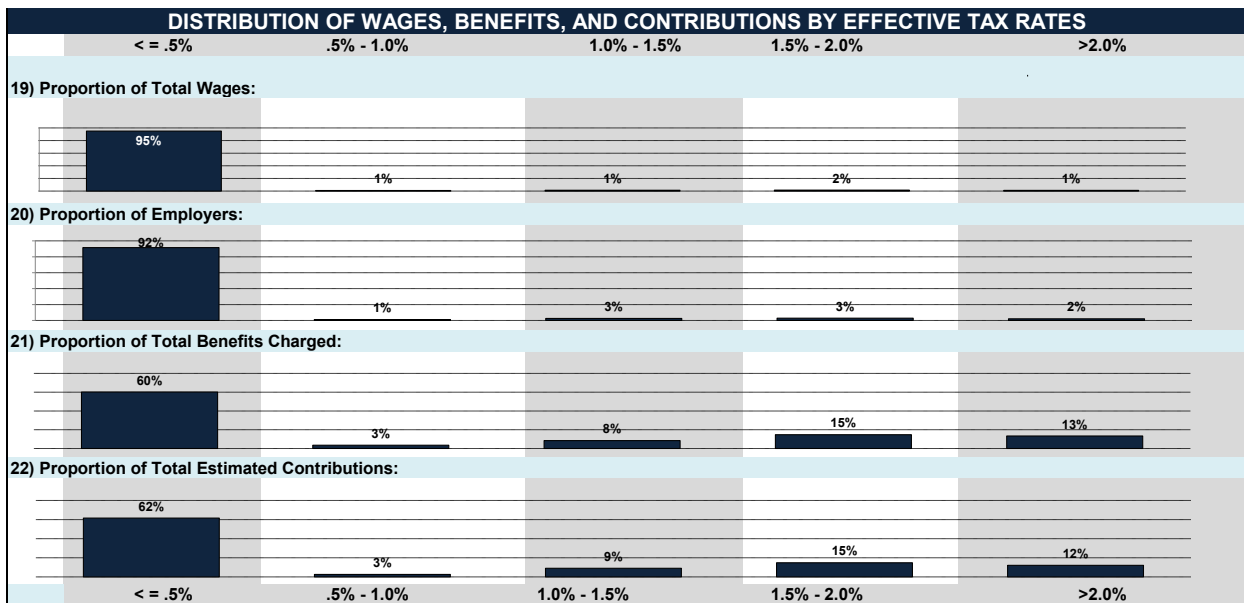
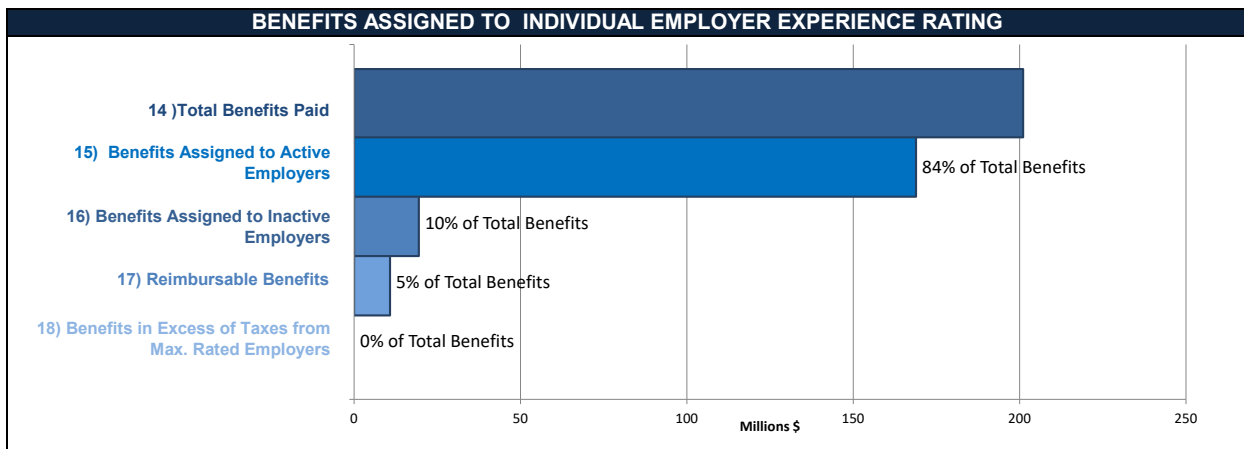


¹ See "New Employer Tax Rate Table" for more information

TENNESSEE 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed		
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	7,000		
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.20 / 1.10	6) New Employer Tax Rate (%) ¹ :	2.7		
7) Statutory Tax Rate (Minimum / Maximum)%:	0.01 / 10.00	8) Average High Cost Multiple (1/1/2018):	0.92		

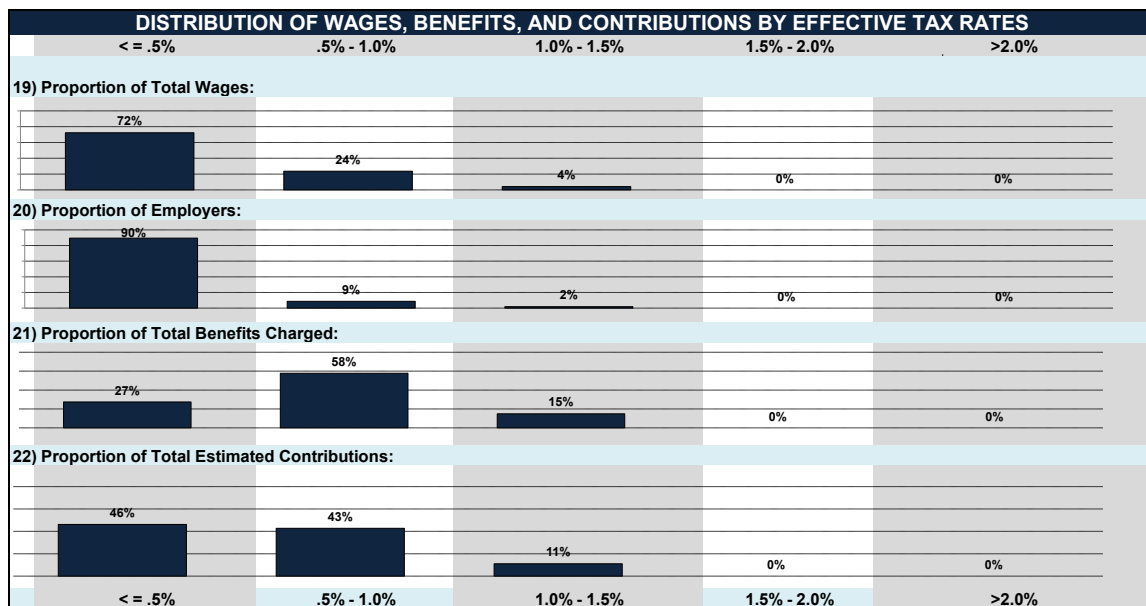
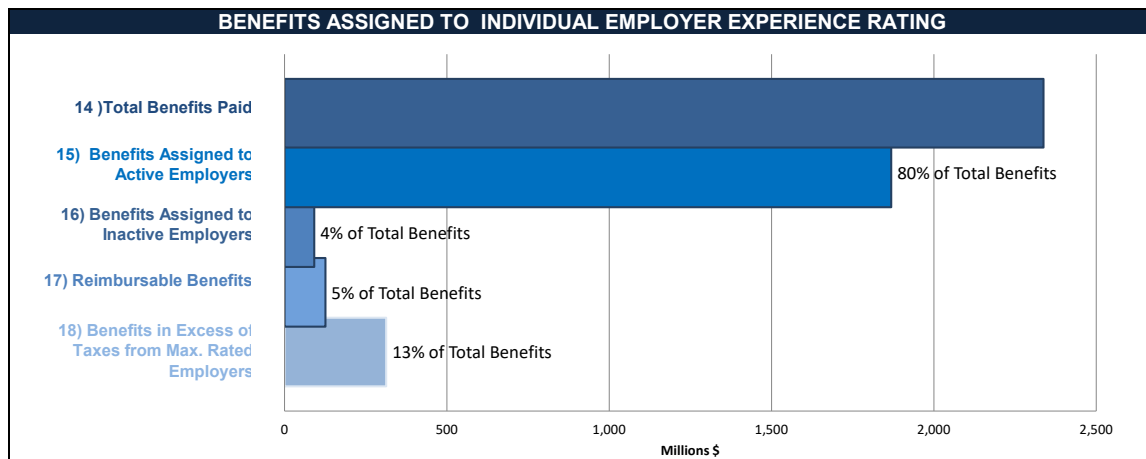
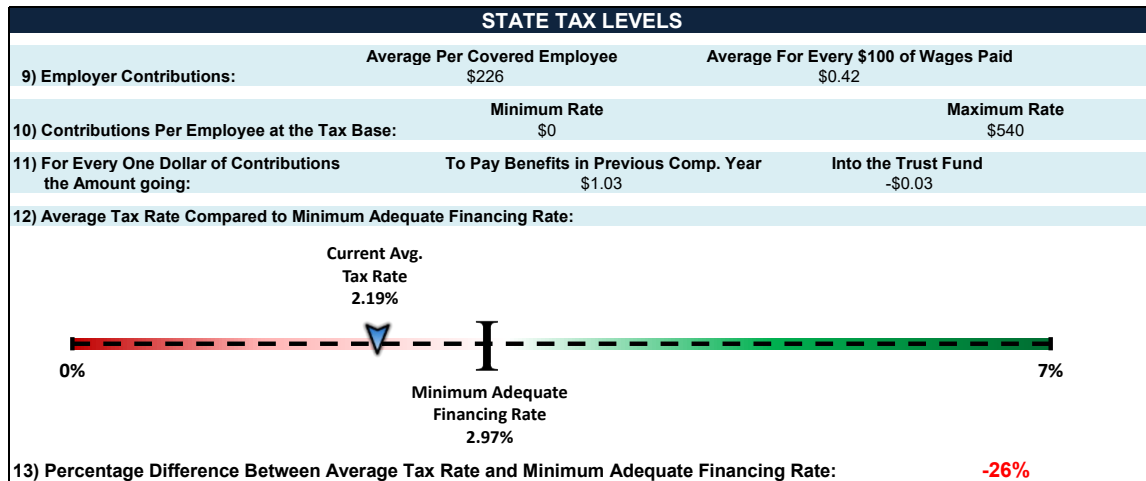
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$100	Average For Every \$100 of Wages Paid \$0.20
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$1	Maximum Rate \$700
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.81	Into the Trust Fund \$0.19
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.10% Minimum Adequate Financing Rate 1.54%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -29%		



¹ See "New Employer Tax Rate Table" for more information

TEXAS 2018

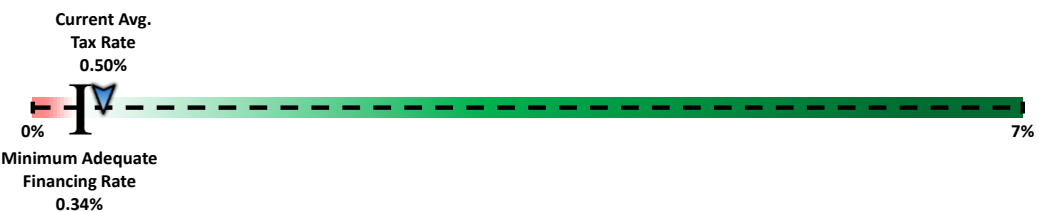
STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	9,000	
5) Avg. Tax Rate (Total / Taxable Wages) % ¹ :	0.42	/	2.19	6) New Employer Tax Rate (%) ² :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	6.00	8) Average High Cost Multiple (1/1/2018):	0.20

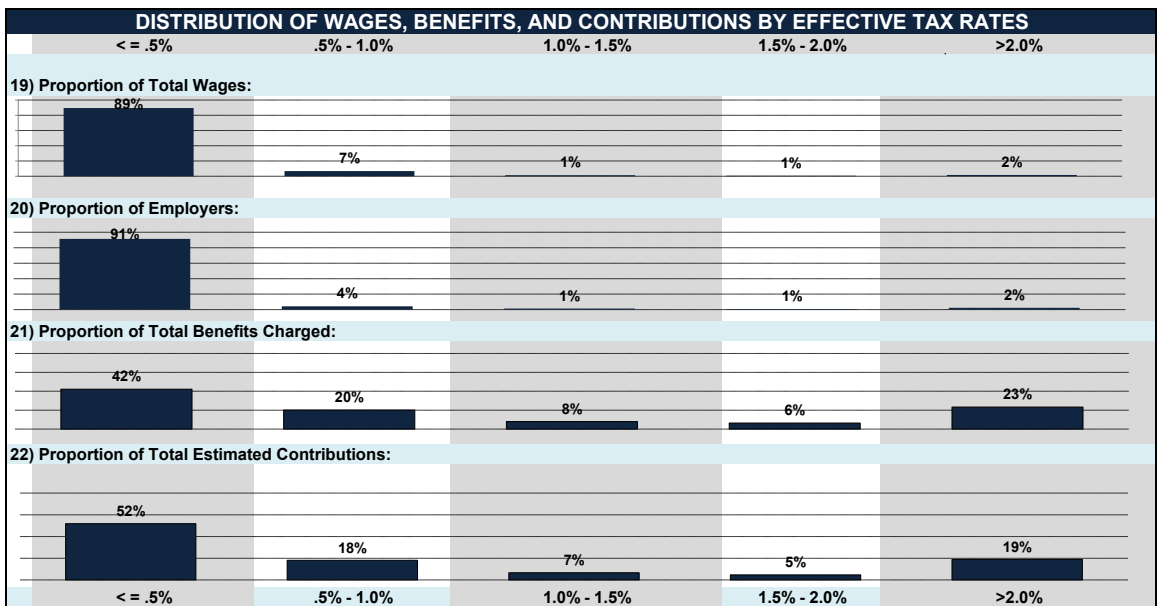
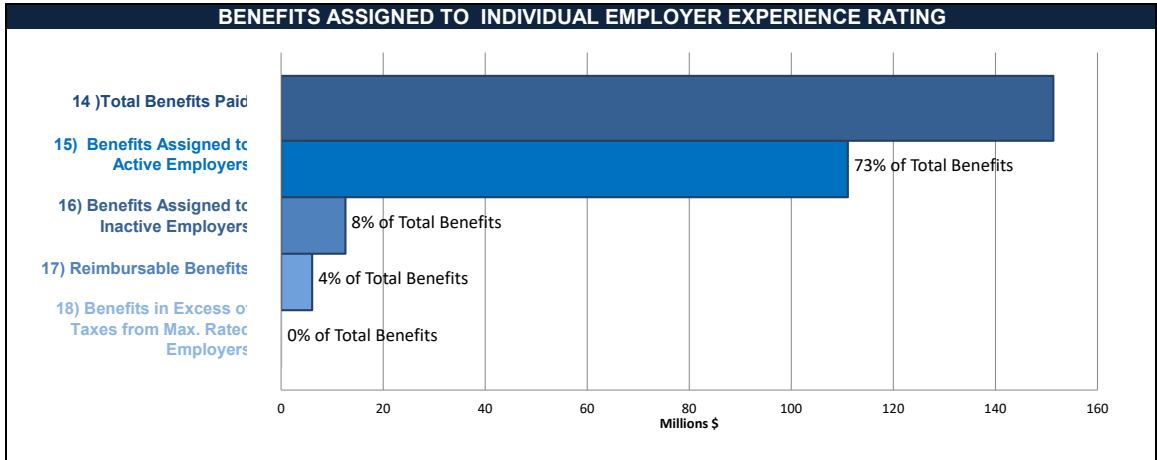


¹ All contribution estimates do not include the additional bond tax charged to employers to repay the state bond issue
² See "New Employer Tax Rate Table" for more information

UTAH 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	34,300	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.29	/	0.50	6) New Employer Tax Rate (%) ¹ :	InAvg%
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	7.00	8) Average High Cost Multiple (1/1/2018):	1.78

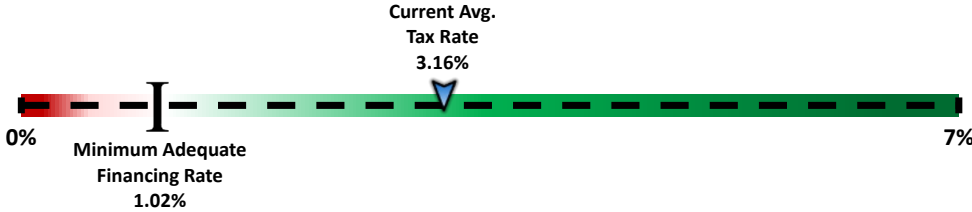
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$119	Average For Every \$100 of Wages Paid \$0.29
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$2,401
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$1.07	Into the Trust Fund -\$0.07
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 0.50% Minimum Adequate Financing Rate 0.34%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:		
50%		

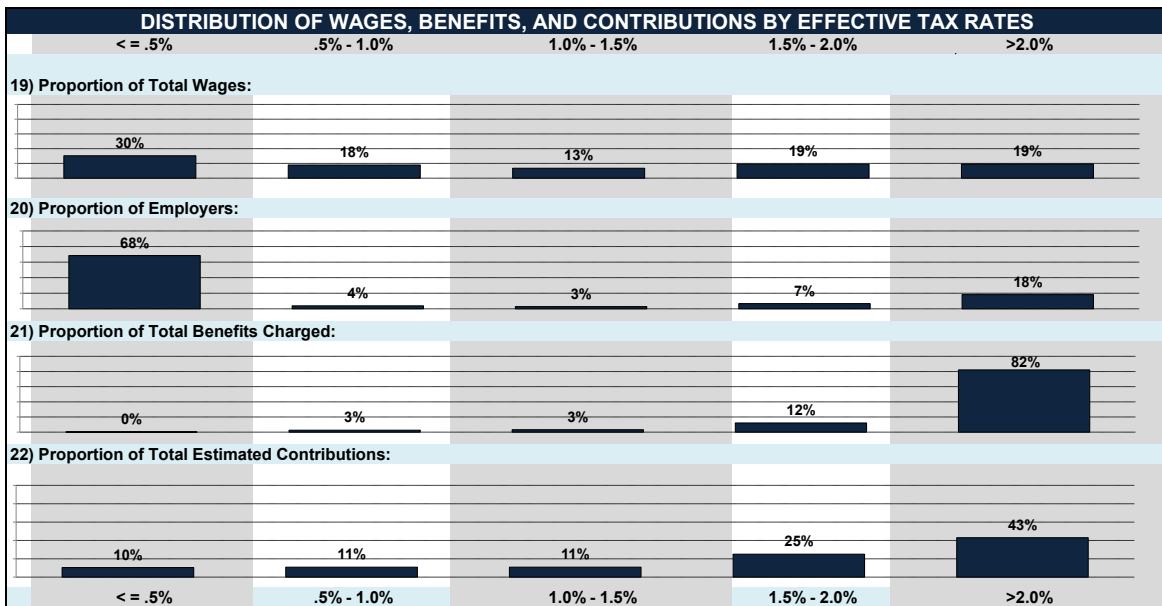
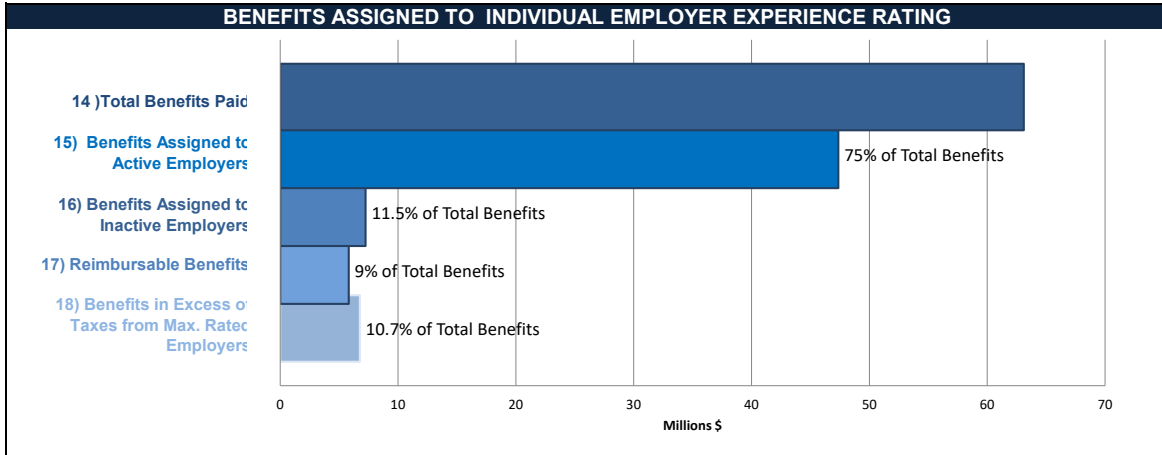


¹ See "New Employer Tax Rate Table" for more information

VERMONT 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Array	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	17,600	
5) Avg. Tax Rate (Total / Taxable Wages) %:	1.24	/	3.16	6) New Employer Tax Rate (%) ¹ :	1.0
7) Statutory Tax Rate (Minimum / Maximum)%:	1.10	/	7.70	8) Average High Cost Multiple (1/1/2018):	2.06

STATE TAX LEVELS			
9) Employer Contributions:		Average Per Covered Employee \$577	Average For Every \$100 of Wages Paid \$1.24
10) Contributions Per Employee at the Tax Base:		Minimum Rate \$194	Maximum Rate \$1,355
11) For Every One Dollar of Contributions the Amount going:		To Pay Benefits in Previous Comp. Year \$0.51	Into the Trust Fund \$0.49
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
0% Minimum Adequate Financing Rate 1.02% Current Avg. Tax Rate 3.16% 7% 			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:			211%



¹ See "New Employer Tax Rate Table" for more information

VIRGINIA 2018

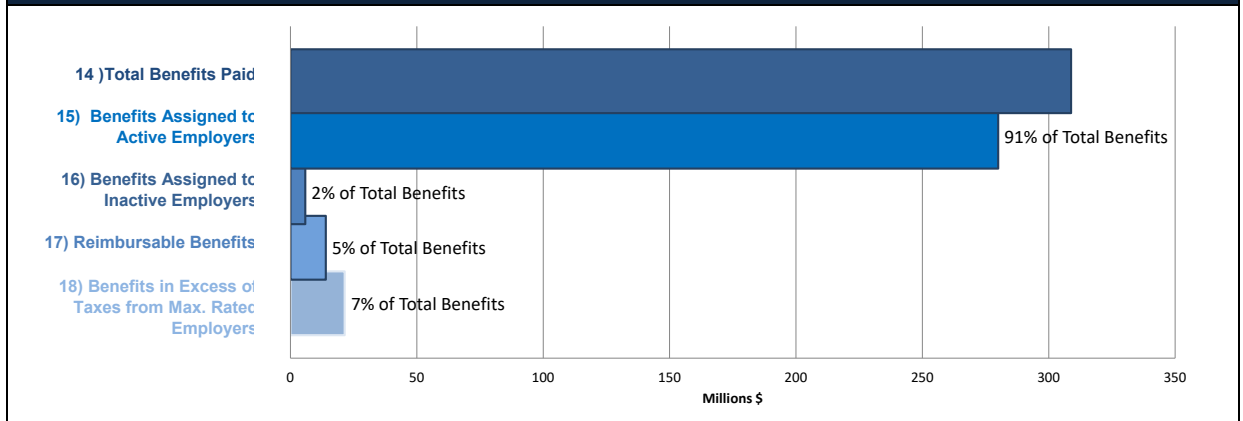
STATE TAX FEATURES

1) Type of Experience Rating Method:	Benefit Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Most Recent	4) Taxable Wage Base (\$):	8,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.23 / 1.37	6) New Employer Tax Rate (%) ¹ :	2.5
7) Statutory Tax Rate (Minimum / Maximum)%:	0.10 / 6.20	8) Average High Cost Multiple (1/1/2018):	0.95

STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$134	Average For Every \$100 of Wages Paid \$0.23
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$8	Maximum Rate \$496
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.75	Into the Trust Fund \$0.25
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate 1.37% Minimum Adequate Financing Rate 1.72%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -20%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

	< = .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%
19) Proportion of Total Wages:	91%	7%	2%	0%	0%
20) Proportion of Employers:	92%	3%	4%	0%	0%
21) Proportion of Total Benefits Charged:	54%	20%	24%	1%	1%
22) Proportion of Total Estimated Contributions:	64%	23%	12%	0%	1%
	< = .5%	.5% - 1.0%	1.0% - 1.5%	1.5% - 2.0%	>2.0%

¹ See "New Employer Tax Rate Table" for more information

VIRGIN ISLANDS 2018

STATE TAX FEATURES			
1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	24,400
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.89 / 1.62	6) New Employer Tax Rate (%) ¹ :	2.0
7) Statutory Tax Rate (Minimum / Maximum)%:	1.50 / 6.00	8) Average High Cost Multiple (1/1/2018):	0.00

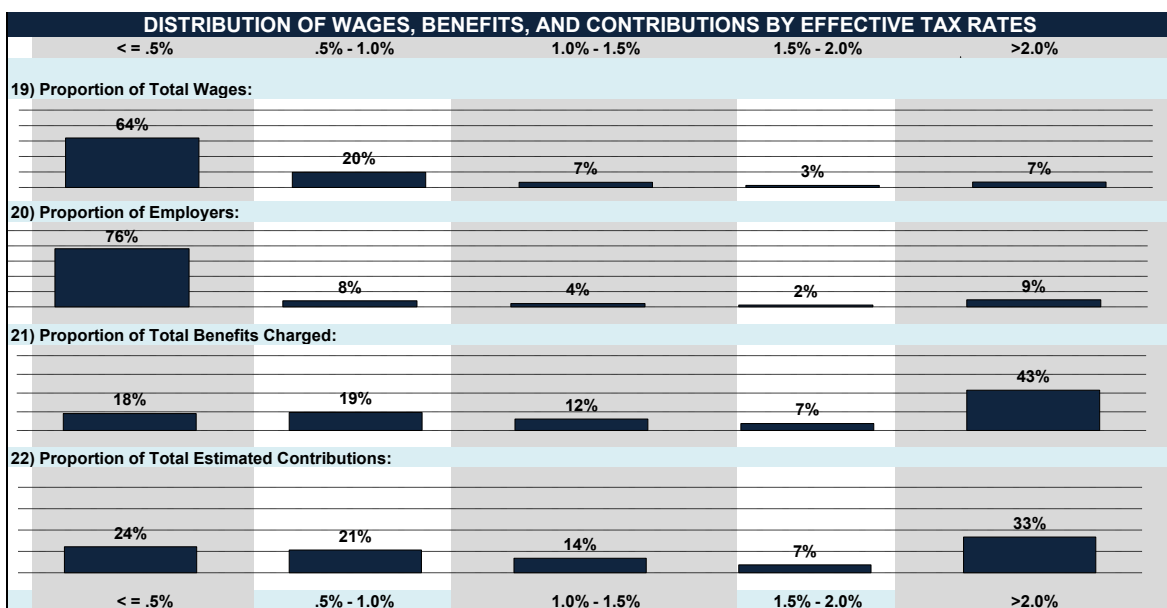
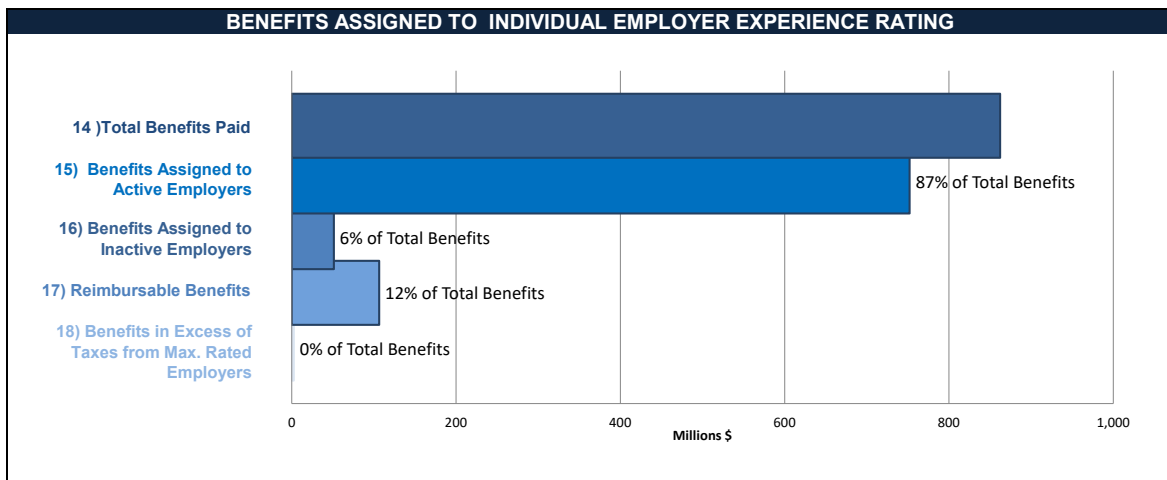
STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$404	Average For Every \$100 of Wages Paid \$0.89
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$366	Maximum Rate \$1,464
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$2.89	Into the Trust Fund -\$1.89
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.62%		

¹ See "New Employer Tax Rate Table" for more information

WASHINGTON 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	47,300	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.55	/	1.01	6) New Employer Tax Rate (%) ¹ :	InAvg%
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	5.40	8) Average High Cost Multiple (1/1/2018):	1.28

STATE TAX LEVELS		
9) Employer Contributions:	Average Per Covered Employee \$400	Average For Every \$100 of Wages Paid \$0.55
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$2,554
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$0.83	Into the Trust Fund \$0.17
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
 Current Avg. Tax Rate: 1.01% Minimum Adequate Financing Rate: 1.32%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -23%		



¹ See "New Employer Tax Rate Table" for more information

WEST VIRGINIA 2018

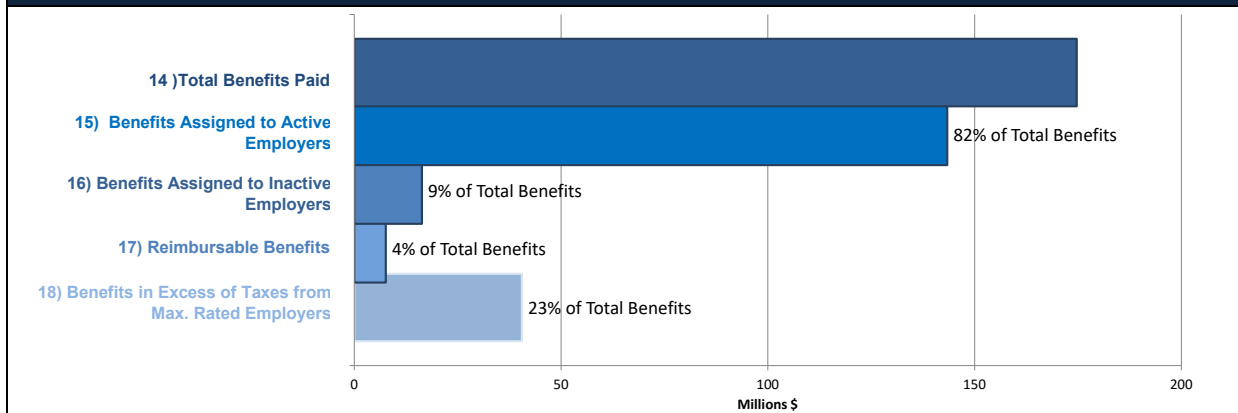
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	12,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.93 / 2.93	6) New Employer Tax Rate (%) ¹ :	2.7
7) Statutory Tax Rate (Minimum / Maximum)%:	1.50 / 7.50	8) Average High Cost Multiple (1/1/2018):	0.26

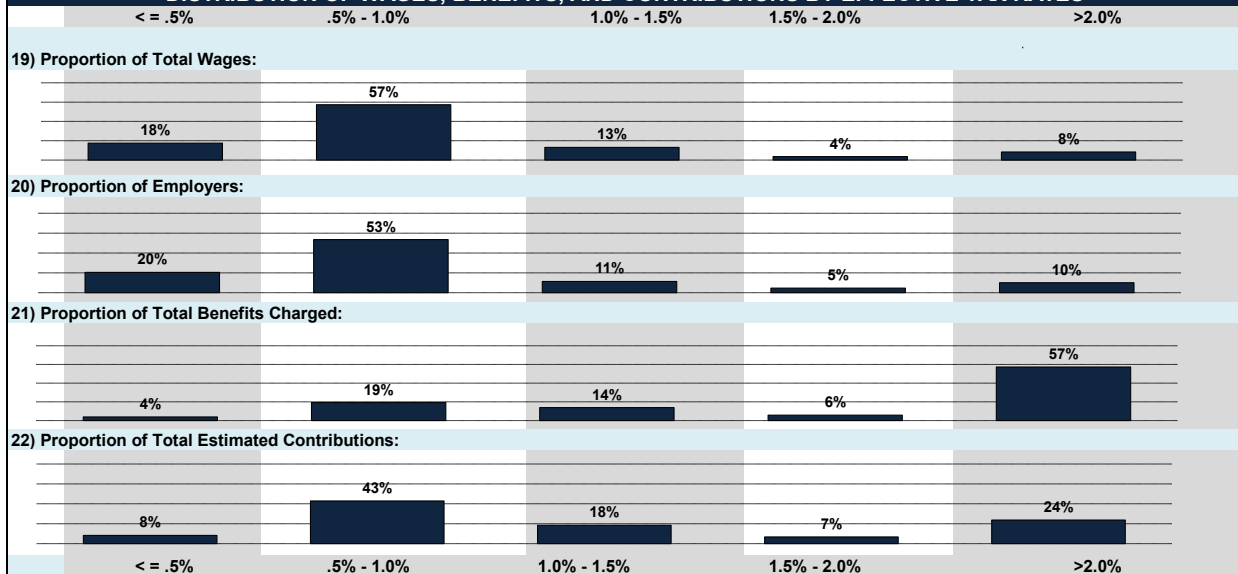
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$374	Average For Every \$100 of Wages Paid \$0.93
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$180	Maximum Rate \$900
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.95	Into the Trust Fund \$0.05
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 2.93% Minimum Adequate Financing Rate 3.83% 0% 7%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: -24%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES



¹ See "New Employer Tax Rate Table" for more information

WISCONSIN 2018

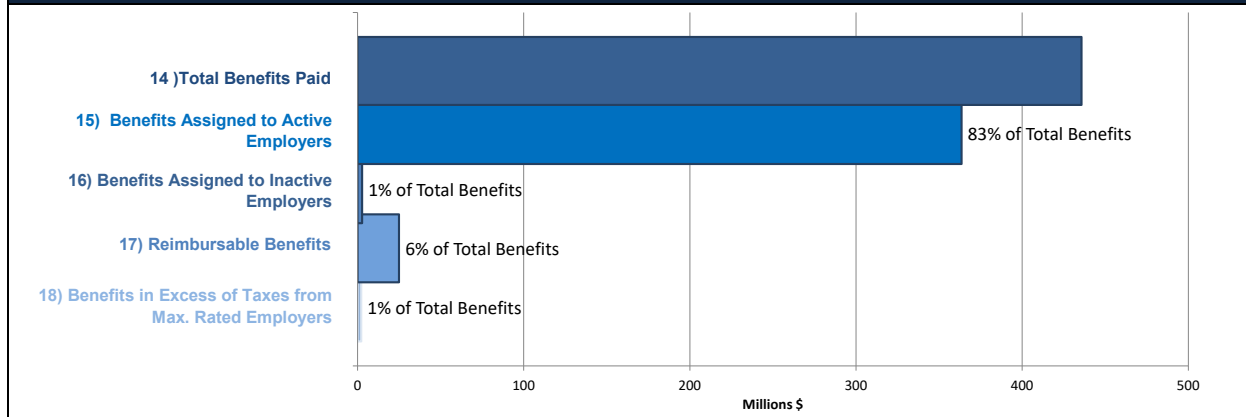
STATE TAX FEATURES

1) Type of Experience Rating Method:	Reserve Ratio	2) Type of Employer Ranking:	Fixed
3) Type of Charging Method:	Proportionally	4) Taxable Wage Base (\$):	14,000
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.54 / 1.73	6) New Employer Tax Rate (%) ¹ :	2.5
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00 / 10.70	8) Average High Cost Multiple (1/1/2018):	0.79

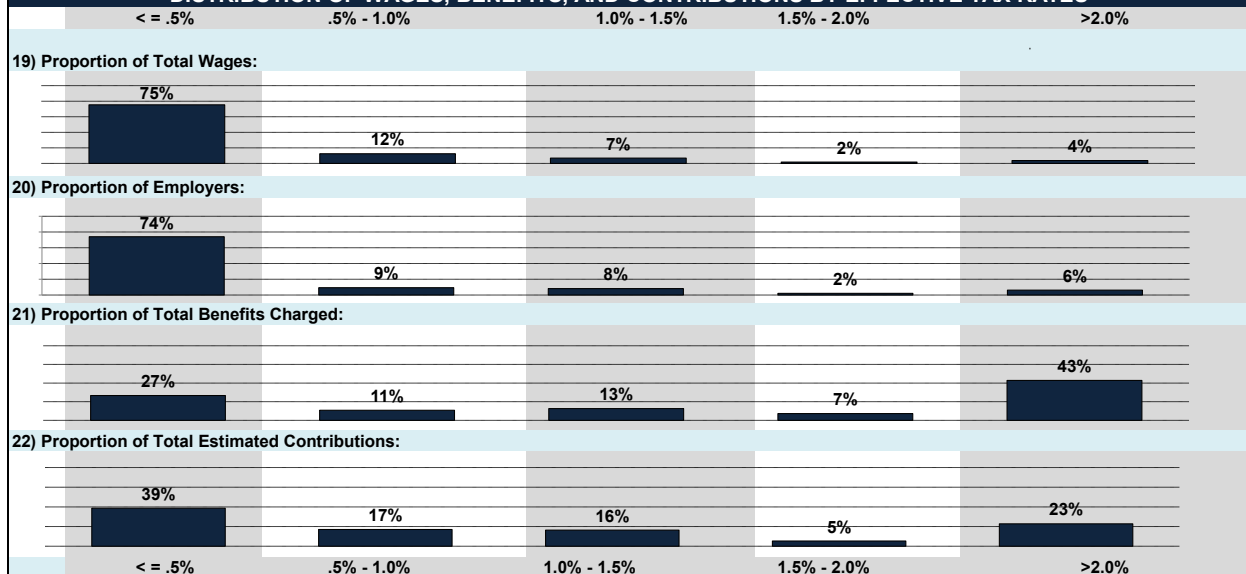
STATE TAX LEVELS

9) Employer Contributions:	Average Per Covered Employee \$255	Average For Every \$100 of Wages Paid \$0.54
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$1,498
11) For Every One Dollar of Contributions the Amount Going:	To Pay Benefits in Previous Comp. Year \$0.75	Into the Trust Fund \$0.25
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:		
Current Avg. Tax Rate 1.73% Minimum Adequate Financing Rate 2.29%		
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate:		
-24%		

BENEFITS ASSIGNED TO INDIVIDUAL EMPLOYER EXPERIENCE RATING



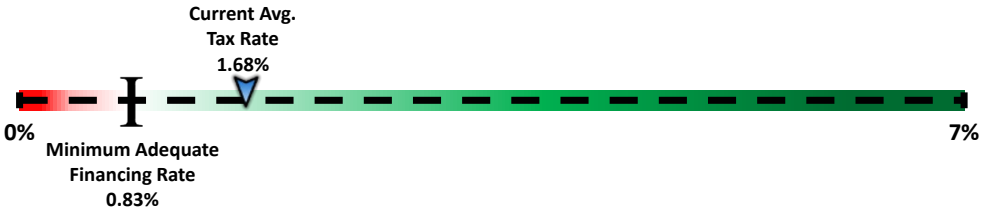
DISTRIBUTION OF WAGES, BENEFITS, AND CONTRIBUTIONS BY EFFECTIVE TAX RATES

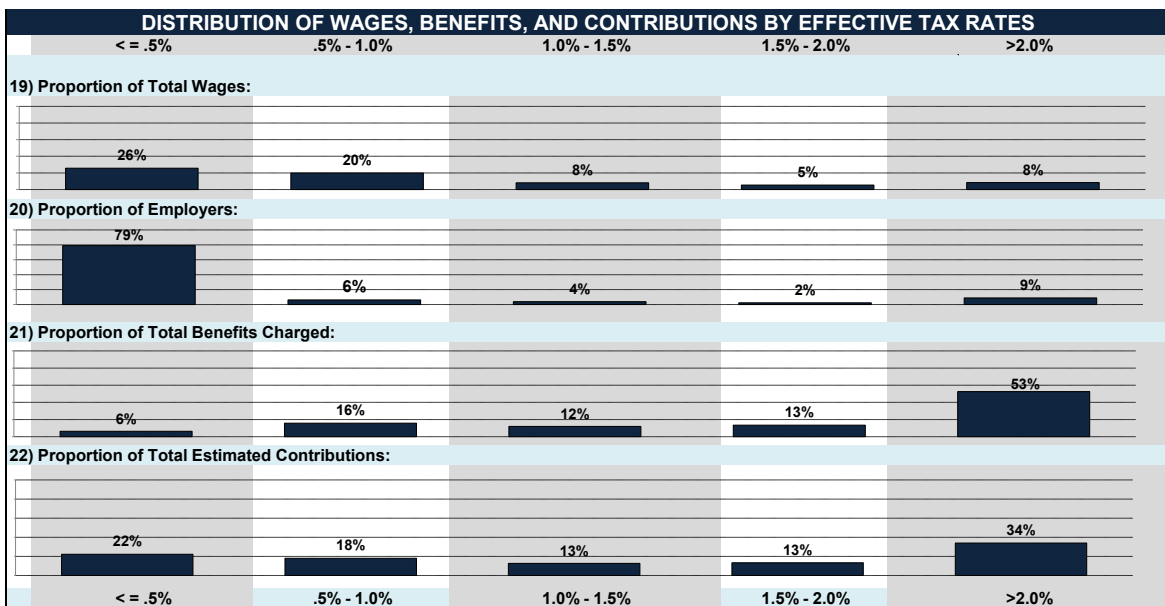
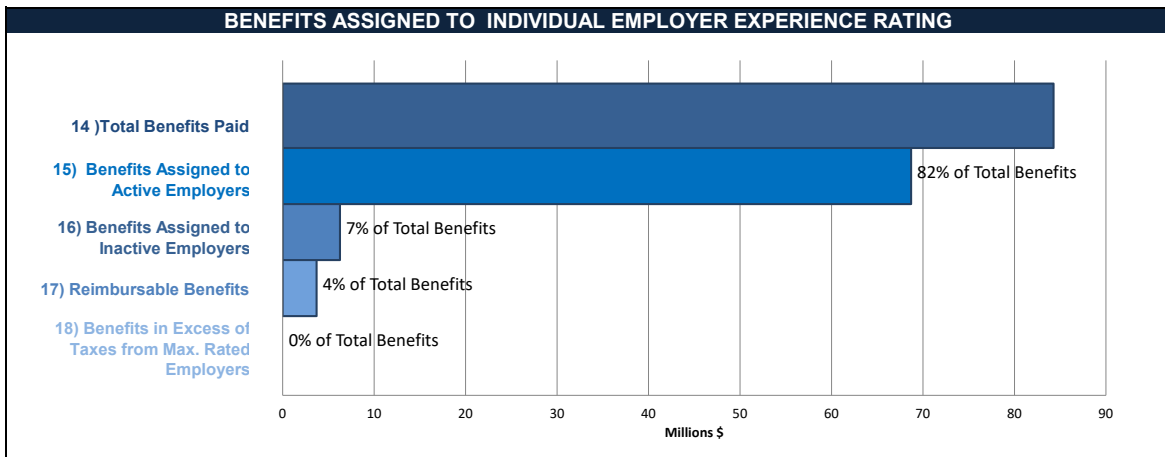


¹ See "New Employer Tax Rate Table" for more information

WYOMING 2018

STATE TAX FEATURES					
1) Type of Experience Rating Method:	Benefit Ratio		2) Type of Employer Ranking:	Fixed	
3) Type of Charging Method:	Proportionally		4) Taxable Wage Base (\$):	24,700	
5) Avg. Tax Rate (Total / Taxable Wages) %:	0.85	/	1.68	6) New Employer Tax Rate (%) ¹ :	InAvg%
7) Statutory Tax Rate (Minimum / Maximum)%:	0.00	/	8.50	8) Average High Cost Multiple (1/1/2018):	2.14

STATE TAX LEVELS			
9) Employer Contributions:	Average Per Covered Employee \$341	Average For Every \$100 of Wages Paid \$0.85	
10) Contributions Per Employee at the Tax Base:	Minimum Rate \$0	Maximum Rate \$2,100	
11) For Every One Dollar of Contributions the Amount going:	To Pay Benefits in Previous Comp. Year \$1.25	Into the Trust Fund -\$0.25	
12) Average Tax Rate Compared to Minimum Adequate Financing Rate:			
 Current Avg. Tax Rate 1.68% 0% Minimum Adequate Financing Rate 0.83% 7%			
13) Percentage Difference Between Average Tax Rate and Minimum Adequate Financing Rate: 103%			



¹ See "New Employer Tax Rate Table" for more information

Chart 1

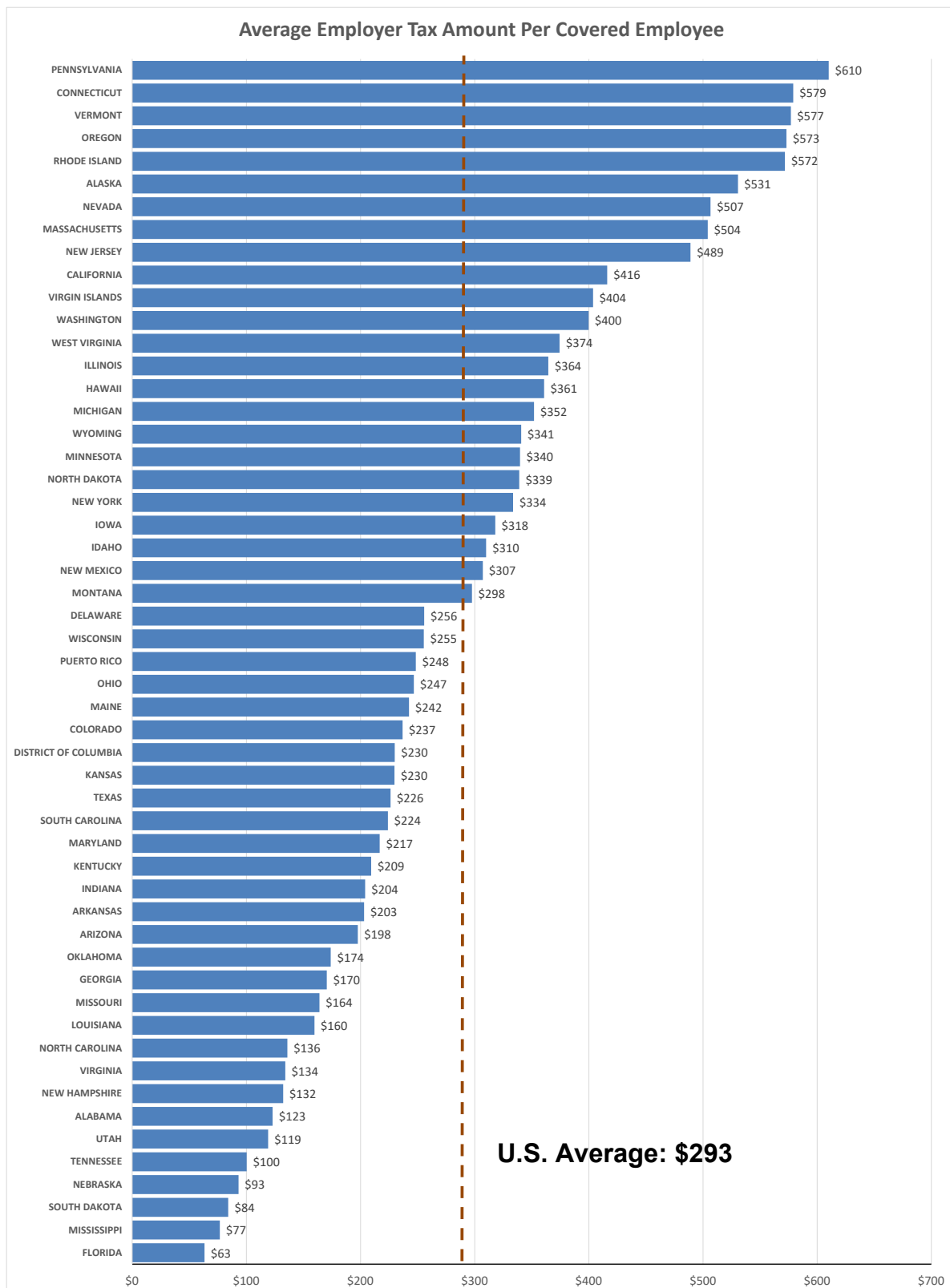


Chart 2

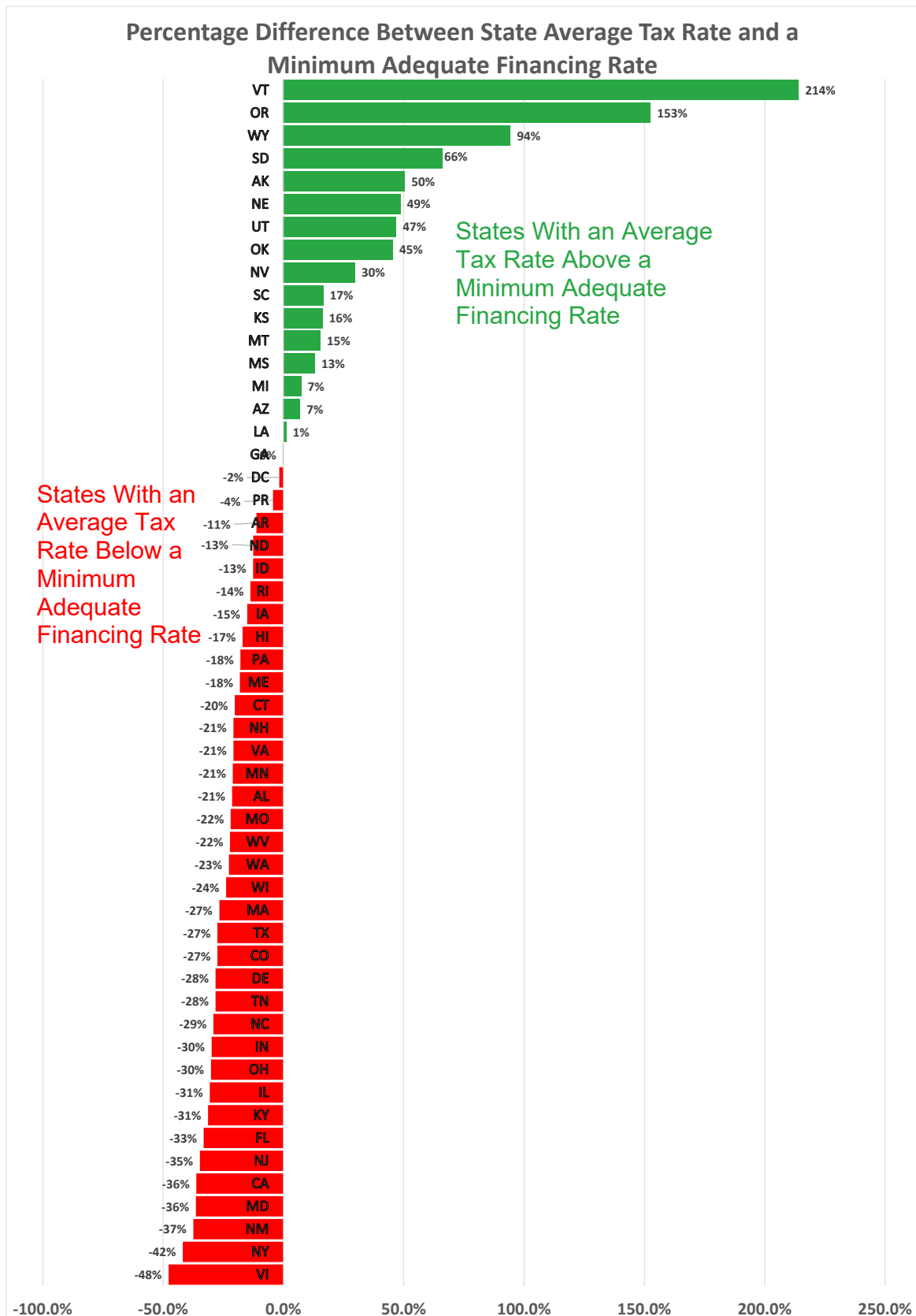
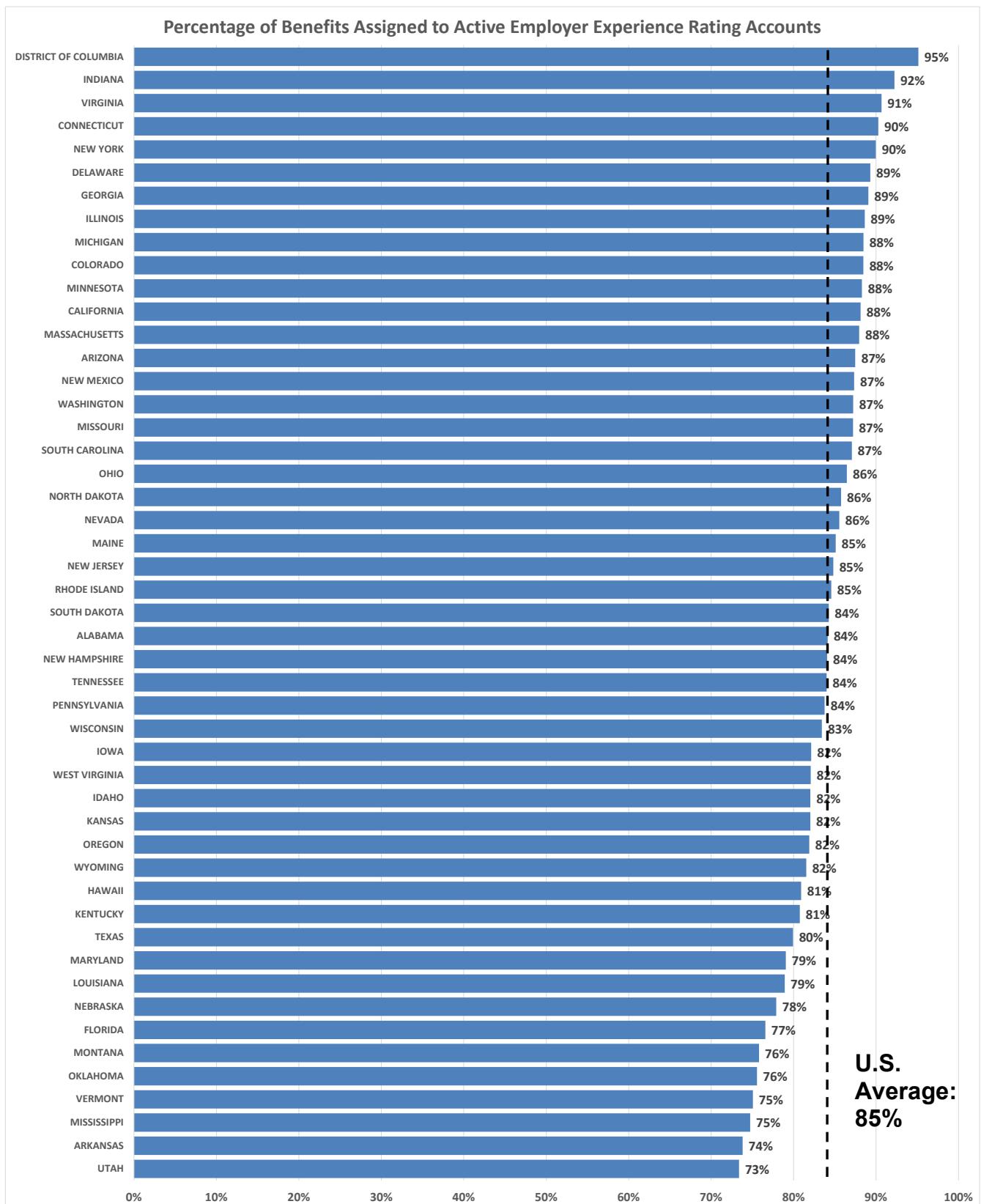


Chart 3



STATE	RATE	TAX RATE DESCRIPTION
ALABAMA	2.70%	
ALASKA	1.32%	Average industry rate, or average for all employers if undetermined industry
ARIZONA	2.00%	
ARKANSAS	2.90%	
CALIFORNIA	3.40%	
COLORADO	1.70%	Greater of 1.7%, actual rate if higher. Construction industry pays average industry rate
CONNECTICUT	3.60%	Higher of 1% or state's 5-year benefit cost rate
DELAWARE	1.60%	Construction employers pay an avg industry rate
DISTRICT OF COLUMBIA	2.70%	5.25% construction employers, 4.65% manufacturing, & 4.75% mining
FLORIDA	2.70%	
GEORGIA	2.64%	
HAWAII	2.40%	1.7%-5.2% based on schedule in effect
IDAHO	1.00%	1% - 3.36% based on fund balance calculation
ILLINOIS	3.23%	Industry average rate up to 5.4%
INDIANA	2.50%	1.60% new governmental employers IA
IOWA	1.00%	8.0% new construction employers and 1.0% new non-construction employers
KANSAS	2.70%	6.0% construction employers
KENTUCKY	2.70%	Foreign & domestic construction firms receive maximum rate
LOUISIANA	InAvg%	Industry average
MAINE	1.86%	Predetermined yield if higher
MARYLAND	2.60%	Foreign contractors assigned average industry rate
MASSACHUSETTS	2.13%	New construction employers pay industry average
MICHIGAN	2.70%	Construction employers receive industry rate
MINNESOTA	1.64%	Higher of 1% or state's 4-year benefit cost rate
MISSISSIPPI	1.00%	1% - 1.2% depending on years of liability
MISSOURI	2.51%	3.51% or InAvg; 1.3% for non-profits
MONTANA	InAvg%	Greater of 3.51% or InAvg; new construction employers pay 4.92%
NEBRASKA	1.25%	lesser of 2.5% or average combined tax rate; construction 2.6%
NEVADA	2.95%	
NEW HAMPSHIRE	1.70%	
NEW JERSEY	2.80%	
NEW MEXICO	InAvg%	New contributing employers will have a rate that is the greater of their industry average UI contribution rate or 1.0%.
NEW YORK	3.30%	Highest rate assigned to employers with positive account balances or 3.3%, whichever is less.
NORTH CAROLINA	1.00%	
NORTH DAKOTA	1.70%	Higher of 90% of the positive employer max rate or 1.0%; 5.4% for construction
OHIO	2.70%	Average rate for all employers if higher
OKLAHOMA	1.50%	Higher of 1% or the average contribution rate paid by all employers
OREGON	2.40%	
PENNSYLVANIA	3.50%	10.19% new construction employers
PUERTO RICO	3.20%	2.7% - 3.4% based upon the rate schedule in effect
RHODE ISLAND	1.50%	1% up to 4.2%
SOUTH CAROLINA	1.03%	Rate applicable to rate class 12
SOUTH DAKOTA	1.20%	1.2 % for first year, 1.0% for second if positive balance
TENNESSEE	2.70%	Construction 7.0%; sect 33 mfg. 5.5%; mining 5.0%
TEXAS	2.70%	Construction employers receive 6.0%
UTAH	InAvg%	Greater of 2.7% or industry average
VERMONT	1.00%	Industry average or rate for rate class eleven, whichever is lower
VIRGIN ISLANDS	2.00%	
VIRGINIA	2.50%	
WASHINGTON	InAvg%	Greater of predetermined yield or 1.0%
WEST VIRGINIA	2.70%	Construction and foreign entities pay 7.5%
WISCONSIN	3.05%	General employers 3.05% - 3.25%; construction 4.4% - 4.55%
WYOMING	InAvg%	InAvg, but not less than 1.0%

Tax Measures of State Unemployment Insurance Tax Systems

Data Definitions

Following are the definitions used for all of the items reported. The data used for this publication comes from individual state law publications and from the ETA-204 Experience Rating Report submitted yearly by all state agencies.

<u>State Tax Measure</u>	<u>Description</u>
1) Type of Experience Rating Method:	Method used to measure employers' experience with unemployment. There are currently four methods: Reserve Ratio , Benefit Ratio , Benefit Wage Ratio , and Payroll Decline .
2) Type of Employer Ranking:	A "Fixed" measure of rating employers' experience has predefined intervals for the assignment of tax rates. An "Array" ranking method ranks all of the employers against each other before assigning tax rates.
3) Type of Charging Method:	If a claimant has multiple recent employers, states determine the benefits attributable to a specific employer in three ways: 1) proportionally according to the amount of wages earned from each base period employer, 2) in inverse order based on wages earned, or 3) the most recent employer.
4) Taxable Wage Base:	The maximum amount of an employee's yearly total wages that is taxable.
5) Statutory Tax Rates (Minimum and Maximum):	Minimum statutory rate is the lowest tax rate (on taxable wages) assigned in law to any employer for the year of the report. Maximum is the highest tax rate (on taxable wages) assigned to an employer for the year of the report.
6) New Employer Tax Rate:	The tax rate assigned to newly established employers who do not have enough experience to qualify for a variable rate (also Ineligible Rate).

**7) Average Tax Rate (on Total Wages/
Taxable Wages):**

The estimated total contributions received by the state divided by the total wages for the year. Average Tax Rate on Taxable Wages is the estimated total contributions received divided by the total taxable wages for the year.

8) Average High Cost Multiple (AHCM):

The calendar year reserve ratio (year ending UI Trust Fund balance divided by total wages for the calendar year) divided by the Average High Cost Rate, which is the average of the three highest calendar year benefit cost rates in the last twenty years- or a period including three recessions, if longer. The Benefit Cost Rate is the ratio of the total benefits paid in the state over the calendar year divided by the total wages paid in the state over the same time period.

State Tax Levels

9) Employer Contributions:

Per Covered Employee: Total amount of contributions for the year divided by the number of covered workers for the same period.

For Every One Dollar of Wages Paid: The average tax rate on total wages, (item 7), divided by 100.

**10) Contributions per Employee at
the Taxable Wage Base (Minimum/
Maximum):**

The state taxable wage base, (item 4), multiplied by the specific statutory tax rate: Minimum: the taxable wage base times the minimum tax rate, (item 5), in effect for the year. Maximum: the taxable wage base times the maximum tax rate, (item 5), in effect that year.

**11) For Every One Dollar of Contributions
Received the Amount Going: To Pay
Benefits in the Previous Computation
Year or Into the Trust Fund:**

The amount going to pay benefits is the total benefits in the previous computation year divided by the total contributions in the report year. The amount going into the trust fund is the previous amount subtracted from \$1.00 (may be negative).

12) Minimum Adequate Financing Rate:	The tax rate formulated by taking the average benefit cost rate plus a solvency amount. The average benefit cost rate is equal to the average of the previous six calendar year ratios, (not including recession years), of total benefits paid to total taxable wages. The solvency amount is equal to the difference between the state's current Trust Fund Balance, including outstanding advances as of Jan. 1, and the Trust Fund Balance needed to have an AHCM of 1.0, divided by five, divided by taxable wages. For states above a 1.5 AHCM, a negative solvency amount (subtracted from benefit costs) is included. This amount is equal to the amount the trust fund exceeds the thrust fund balance needed to have a 1.5 AHCM, divided by taxable wages.
13) The Average Tax Rate Compared to The Min. Adequate Financing Rate:	The percentage difference between the Average Tax Rate on Taxable Wages, (item 7), and the Adequate Financing Rate (item 12).

Benefit Assigned to Individual Employer Experience Rating

14) Total Benefits Paid	The sum of Unemployment Insurance benefits paid to individuals under a state program for all weeks compensated including partial payments for the previous twelve months ending on the state's computation date in the report year (ETA-204 report).
15) Benefits Charged to Active Taxable Employers:	The portion of total benefits paid that is assigned to active individual employer experience rating accounts (ETA-204 report).
16) Benefits Charged to Inactive Accounts:	Benefits assigned to employers that are no longer active (ETA-204 report).
17) Total Reimbursable Benefits Paid:	Benefits paid to all claimants from reimbursable employers (public sector and nonprofit organizations).

18) Benefits Assigned to Employers at the Maximum Tax Rate in Excess of the Contributions from Those Employers:

The amount by which the benefits assigned to employers assigned the maximum tax rate in the state tax schedule the prior year exceed the projected contributions for that same group of employers in the current year. This amount is also shown as a percentage of total benefits paid (item 14) in the previous year.

Distribution of Wages, Benefits, and Contributions

19) Proportion of Total Wages by Effective Tax Rate:

Proportion of total wages aggregated within intervals of effective tax rates (total contributions divided by total wages).

20) Proportion of Employers by Effective Tax Rate:

Proportion of employer accounts aggregated within intervals of effective tax rates (total contributions divided by total wages).

21) Proportion of Total Benefits Assigned to Employer Accounts by Effective Tax Rate:

Proportion of total benefits assigned to individual employers aggregated within intervals of effective tax rates (total contributions divided by total wages).

22) Proportion of Estimated Contributions Effective Tax Rate:

Proportion of total contributions aggregated within intervals of effective tax rates (total contributions divided by total wages).