Withholding Calculation Rules Effective January 1, 2025

The 2025 withholding calculation rules and 2025 withholding tables are unchanged from 2024.

Use the steps below to determine the amount of Connecticut income tax to be withheld from an employee's wages.

Step

- 1. Determine the employee's wages per pay period.
- 2. Determine the number of pay periods in a year (for example: 52, 26, 24, 12).
- 3. Determine the annualized salary. Multiply Step 1 by Step 2.
- 4. Determine the employee's withholding code (A, B, C, D, or F from Form CT-W4, Line 1).
- 5. Use the annualized salary (Step 3) and employee's withholding code (Step 4) to determine the exemption amount from **Table A Personal Exemptions**.
- 6. Determine the annualized taxable income. Subtract Step 5 from Step 3.

If the annualized taxable income is equal to or less than zero, the initial withholding amount should equal zero. Proceed to Step 14.

- 7. Determine the initial tax amount from Table B Initial Tax Calculation.
- 8. Use the annualized salary (Step 3) and employee's withholding code (Step 4) and go to **Table C 2% Tax Rate Phase-Out Add-Back** to determine the amount to add back if the 2% tax rate phase-out applies.
- 9. Use the annualized salary (Step 3) and employee's withholding code (Step 4) to determine the tax recapture amount from **Table D Tax Recapture**.
- 10. Add the withholding amounts from Step 7, Step 8, and Step 9.
- 11. Use the annualized salary (Step 3) and employee's withholding code (Step 4) to determine the decimal amount from **Table E Personal Tax Credits**.
- 12. Multiply the withholding amount (Step 10) by 1.00 minus the decimal amount (Step 11). Example: 1.00 .15 = .85. This is the total withholding amount.
- 13. Divide the result from Step 12 by the number of pay periods in the year (Step 2). This is the withholding amount per pay period.
- 14. Determine the additional withholding amount per pay period, if any, from Form CT-W4, Line 2.
- 15. Determine the reduced withholding amount per pay period, if any, from Form CT-W4, Line 3.
- 16. Determine the total withholding amount per pay period: Add Step 13 and Step 14 or subtract Step 15 from Step 13. The result cannot be less than zero (0).

Employers: Use either the withholding calculation rules or the withholding tables to determine the amount of tax to be withheld from the wages of employees. There is **no percentage method available** to determine Connecticut wage withholding.

For withholding rules for supplemental compensation (such as bonuses, commissions, overtime pay, sales awards, etc.), refer to **Informational Publication 2025(1)**, *Connecticut Employer's Tax Guide, Circular CT*.

ENew Z

Income Tax Withholding Requirements for Pension and Annuity Payments: Effective January 1, 2025, new legislation no longer requires payers to withhold income tax from certain retirement income distributions. Payers are still required to withhold income tax from lump sum distributions. A "lump sum distribution" is defined as any distribution greater than \$5,000 or more than 50% of the payee's entire account balance, whichever is less. Payees may request the payer to withhold income tax withholding by completing Form CT-W4P, *Withholding Certificate for Pension and Annuity Payments*. The income tax withheld is calculated using the same method that an employer uses to determine the amount to withhold from wages. Therefore, such payers must use these Withholding Calculation Rules along with the recipient's most recently completed Form CT-W4P.

Withholding Code A		With	holding Co	de B	With	holding Co	de C	With	nholding Co	de F	
Annualize	ed Salary		Annualiz	ed Salary		Annualiz	Annualized Salary		Annualized Salary		
More than	Less Than or Equal to	Exemption	More than	Less Than or Equal to	Exemption	More than	Less Than or Equal to	Exemption	More than	Less Than or Equal to	Exemption
\$ 0	\$24,000	\$12,000	\$0	\$38,000	\$19,000	\$ 0	\$48,000	\$24,000	\$ 0	\$30,000	\$15,000
\$24,000	\$25,000	\$11,000	\$38,000	\$39,000	\$18,000	\$48,000	\$49,000	\$23,000	\$30,000	\$31,000	\$14,000
\$25,000	\$26,000	\$10,000	\$39,000	\$40,000	\$17,000	\$49,000	\$50,000	\$22,000	\$31,000	\$32,000	\$13,000
\$26,000	\$27,000	\$ 9,000	\$40,000	\$41,000	\$16,000	\$50,000	\$51,000	\$21,000	\$32,000	\$33,000	\$12,000
\$27,000	\$28,000	\$ 8,000	\$41,000	\$42,000	\$15,000	\$51,000	\$52,000	\$20,000	\$33,000	\$34,000	\$11,000
\$28,000	\$29,000	\$ 7,000	\$42,000	\$43,000	\$14,000	\$52,000	\$53,000	\$19,000	\$34,000	\$35,000	\$10,000
\$29,000	\$30,000	\$ 6,000	\$43,000	\$44,000	\$13,000	\$53,000	\$54,000	\$18,000	\$35,000	\$36,000	\$ 9,000
\$30,000	\$31,000	\$ 5,000	\$44,000	\$45,000	\$12,000	\$54,000	\$55,000	\$17,000	\$36,000	\$37,000	\$ 8,000
\$31,000	\$32,000	\$ 4,000	\$45,000	\$46,000	\$11,000	\$55,000	\$56,000	\$16,000	\$37,000	\$38,000	\$ 7,000
\$32,000	\$33,000	\$ 3,000	\$46,000	\$47,000	\$10,000	\$56,000	\$57,000	\$15,000	\$38,000	\$39,000	\$ 6,000
\$33,000	\$34,000	\$ 2,000	\$47,000	\$48,000	\$ 9,000	\$57,000	\$58,000	\$14,000	\$39,000	\$40,000	\$ 5,000
\$34,000	\$35,000	\$ 1,000	\$48,000	\$49,000	\$ 8,000	\$58,000	\$59,000	\$13,000	\$40,000	\$41,000	\$ 4,000
\$35,000	and up	\$0	\$49,000	\$50,000	\$ 7,000	\$59,000	\$60,000	\$12,000	\$41,000	\$42,000	\$ 3,000
			\$50,000	\$51,000	\$ 6,000	\$60,000	\$61,000	\$11,000	\$42,000	\$43,000	\$ 2,000
			\$51,000	\$52,000	\$ 5,000	\$61,000	\$62,000	\$10,000	\$43,000	\$44,000	\$ 1,000
			\$52,000	\$53,000	\$ 4,000	\$62,000	\$63,000	\$ 9,000	\$44,000	and up	\$0
			\$53,000	\$54,000	\$ 3,000	\$63,000	\$64,000	\$ 8,000			
			\$54,000	\$55,000	\$ 2,000	\$64,000	\$65,000	\$ 7,000			
			\$55,000	\$56,000	\$ 1,000	\$65,000	\$66,000	\$ 6,000			
			\$56,000	and up	\$0	\$66,000	\$67,000	\$ 5,000			
						\$67,000	\$68,000	\$ 4,000			
						\$68,000	\$69,000	\$ 3,000			
						\$69,000	\$70,000	\$ 2,000			
						\$70,000	\$71,000	\$ 1,000			
						\$71,000	and up	\$0			

Table A - Personal Exemptions*

* For Withholding Code "D", the Personal Exemption is \$0

Table B - Initial Tax Calculation

Withholding Code A, D, or F		
If the amount from <i>Step</i> 6 is:		
Less than or equal to:	\$ 10,000	2.00%
More than \$10,000, but less than or equal to	\$ 50,000	\$200 plus 4.5% of the excess over \$10,000
More than \$50,000, but less than or equal to	\$100,000	\$2,000 plus 5.5% of the excess over \$50,000
More than \$100,000, but less than or equal to	\$200,000	\$4,750 plus 6.0% of the excess over \$100,000
More than \$200,000, but less than or equal to	\$250,000	\$10,750 plus 6.5% of the excess over \$200,000
More than \$250,000, but less than or equal to	\$500,000	\$14,000 plus 6.9% of the excess over \$250,000
More than \$500,000		\$31,250 plus 6.99% of the excess over \$500,000

Withholding Code B

If the amount from *Step 6* is:

Less than or equal to:	\$ 16,000	2.00%
More than \$16,000, but less than or equal to	\$ 80,000	\$320 plus 4.5% of the excess over \$16,000
More than \$80,000, but less than or equal to	\$160,000	\$3,200 plus 5.5% of the excess over \$80,000
More than \$160,000, but less than or equal to	\$320,000	\$7,600 plus 6.0% of the excess over \$160,000
More than \$320,000, but less than or equal to	\$400,000	\$17,200 plus 6.5% of the excess over \$320,000
More than \$400,000, but less than or equal to	\$800,000	\$22,400 plus 6.9% of the excess over \$400,000
More than \$800,000		\$50,000 plus 6.99% of the excess over \$800,000

Withholding Code C

If the amount	from	Step	6 is:	
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Less than or equal to:	\$ 20,000	2.00%
More than \$20,000, but less than or equal to	\$100,000	\$400 plus 4.5% of the excess over \$20,000
More than \$100,000, but less than or equal to	\$200,000	\$4,000 plus 5.5% of the excess over \$100,000
More than \$200,000, but less than or equal to	\$400,000	\$9,500 plus 6.0% of the excess over \$200,000
More than \$400,000, but less than or equal to	\$500,000	\$21,500 plus 6.5% of the excess over \$400,000
More than \$500,000, but less than or equal to	\$1,000,000	\$28,000 plus 6.9% of the excess over \$500,000
More than \$1,000,000		\$62,500 plus 6.99% of the excess over \$1,000,000

Withholding Code A or D			With	holding Co	de B	Withholding Code C			Withholding Code F			
Annualize	ed Salary		Annualized Salary		ed Salary		ed Salary		Annualized Salary			
More Than	Less Than or Equal To	2% Phase-Out	More Than	Less Than or Equal To	2% Phase-Out	More Than	Less Than or Equal To	2% Phase-Out	More Than	Less Than or Equal To	2% Phase-Out	
\$ 0	\$50,250	\$ 0	\$ 0	\$ 78,500	\$ 0	\$ 0	\$100,500	\$ 0	\$ 0	\$ 56,500	\$ 0	
\$50,250	\$52,750	\$ 25	\$ 78,500	\$ 82,500	\$ 40	\$100,500	\$105,500	\$ 50	\$ 56,500	\$ 61,500	\$ 25	
\$52,750	\$55,250	\$ 50	\$ 82,500	\$ 86,500	\$80	\$105,500	\$110,500	\$100	\$ 61,500	\$ 66,500	\$ 50	
\$55,250	\$57,750	\$ 75	\$ 86,500	\$ 90,500	\$120	\$110,500	\$115,500	\$150	\$ 66,500	\$ 71,500	\$75	
\$57,750	\$60,250	\$100	\$ 90,500	\$ 94,500	\$160	\$115,500	\$120,500	\$200	\$ 71,500	\$ 76,500	\$100	
\$60,250	\$62,750	\$125	\$ 94,500	\$ 98,500	\$200	\$120,500	\$125,500	\$250	\$ 76,500	\$ 81,500	\$125	
\$62,750	\$65,250	\$150	\$ 98,500	\$102,500	\$240	\$125,500	\$130,500	\$300	\$ 81,500	\$ 86,500	\$150	
\$65,250	\$67,750	\$175	\$102,500	\$106,500	\$280	\$130,500	\$135,500	\$350	\$ 86,500	\$ 91,500	\$175	
\$67,750	\$70,250	\$200	\$106,500	\$110,500	\$320	\$135,500	\$140,500	\$400	\$ 91,500	\$ 96,500	\$200	
\$70,250	\$72,750	\$225	\$110,500	\$114,500	\$360	\$140,500	\$145,500	\$450	\$ 96,500	\$101,500	\$225	
\$72,750	and up	\$250	\$114,500	and up	\$400	\$145,500	and up	\$500	\$101,500	and up	\$250	

Table C - 2% Tax Rate Phase-Out Add-Back

Table D - Tax Recapture

) C	hholding Code	Wit	B	hholding Code	Wit	Withholding Code A, D, or F		
	ed Salary	Annualiz		ed Salary	Annualiz		ed Salary	Annualize
Recapture	Less Than	More Than	Recapture	Less Than	More Than	Recapture	Less Than	More Than
Amount	or Equal To		Amount	or Equal To		Amount	or Equal To	
\$	\$210,000	\$ 0	\$ 0	\$168,000	\$ 0	\$ 0	\$105,000	\$ 0
\$ 5	\$220,000	\$210,000	\$ 40	\$176,000	\$168,000	\$ 25	\$110,000	\$105,000
\$ 10	\$230,000	\$220,000	\$ 80	\$184,000	\$176,000	\$ 50	\$115,000	\$110,000
\$ 15	\$240,000	\$230,000	\$ 120	\$192,000	\$184,000	\$ 75	\$120,000	\$115,000
\$ 20	\$250,000	\$240,000	\$ 160	\$200,000	\$192,000	\$ 100	\$125,000	\$120,000
\$ 25	\$260,000	\$250,000	\$ 200	\$208,000	\$200,000	\$ 125	\$130,000	\$125,000
\$ 30	\$270,000	\$260,000	\$ 240	\$216,000	\$208,000	\$ 150	\$135,000	\$130,000
\$ 35	\$280,000	\$270,000	\$ 280	\$224,000	\$216,000	\$ 175	\$140,000	\$135,000
\$ 40	\$290,000	\$280,000	\$ 320	\$232,000	\$224,000	\$ 200	\$145,000	\$140,000
\$ 45	\$300,000	\$290,000	\$ 360	\$240,000	\$232,000	\$ 225	\$150,000	\$145,000
\$ 50	\$400,000	\$300,000	\$ 400	\$320,000	\$240,000	\$ 250	\$200,000	\$150,000
\$ 68	\$410,000	\$400,000	\$ 540	\$328,000	\$320,000	\$ 340	\$205,000	\$200,000
\$ 86	\$420,000	\$410,000	\$ 680	\$336,000	\$328,000	\$ 430	\$210,000	\$205,000
\$1,04	\$430,000	\$420,000	\$ 820	\$344,000	\$336,000	\$ 520	\$215,000	\$210,000
\$1,22	\$440,000	\$430,000	\$ 960	\$352,000	\$344,000	\$ 610	\$220,000	\$215,000
\$1,40	\$450,000	\$440,000	\$1,100	\$360,000	\$352,000	\$ 700	\$225,000	\$220,000
\$1,58	\$460,000	\$450,000	\$1,240	\$368,000	\$360,000	\$ 790	\$230,000	\$225,000
\$1,76	\$470,000	\$460,000	\$1,380	\$376,000	\$368,000	\$ 880	\$235,000	\$230,000
\$1,94	\$480,000	\$470,000	\$1,520	\$384,000	\$376,000	\$ 970	\$240,000	\$235,000
\$2,12	\$490,000	\$480,000	\$1,660	\$392,000	\$384,000	\$1,060	\$245,000	\$240,000
\$2,30	\$500,000	\$490,000	\$1,800	\$400,000	\$392,000	\$1,150	\$250,000	\$245,000
\$2,48	\$510,000	\$500,000	\$1,940	\$408,000	\$400,000	\$1,240	\$255,000	\$250,000
\$2,66	\$520,000	\$510,000	\$2,080	\$416,000	\$408,000	\$1,330	\$260,000	\$255,000
\$2,84	\$530,000	\$520,000	\$2,220	\$424,000	\$416,000	\$1,420	\$265,000	\$260,000
\$3,02	\$540,000	\$530,000	\$2,360	\$432,000	\$424,000	\$1,510	\$270,000	\$265,000
\$3,20	\$550,000	\$540,000	\$2,500	\$440,000	\$432,000	\$1,600	\$275,000	\$270,000
\$3,38	\$560,000	\$550,000	\$2,640	\$448,000	\$440,000	\$1,690	\$280,000	\$275,000
\$3,56	\$570,000	\$560,000	\$2,780	\$456,000	\$448,000	\$1,780	\$285,000	\$280,000
\$3,74	\$580,000	\$570,000	\$2,920	\$464,000	\$456,000	\$1,870	\$290,000	\$285,000
\$3,92	\$590,000	\$580,000	\$3,060	\$472,000	\$464,000	\$1,960	\$295,000	\$290,000
\$4,10 \$4,28	\$600,000 \$610,000	\$590,000 \$600,000	\$3,200 \$3,340	\$480,000 \$488,000	\$472,000 \$480,000	\$2,050 \$2,140	\$300,000 \$305,000	\$295,000 \$300,000
\$4,46	\$620,000	\$610,000	\$3,480	\$496,000	\$488,000	\$2,230	\$310,000	\$305,000
\$4,64	\$630.000	\$620.000	\$3,620	\$504,000	\$496,000	\$2,320	\$315,000	\$310,000
\$4,82	\$640,000	\$630,000	\$3,760	\$512,000	\$504,000	\$2,320 \$2,410	\$320,000	\$315,000
\$5,00	\$650,000	\$640,000	\$3,900	\$520,000	\$512,000	\$2,500	\$325,000	\$320,000
\$5,18	\$660,000	\$650,000	\$4,040	\$528,000	\$520,000	\$2,590	\$330,000	\$325,000
\$5,36	\$670,000	\$660,000	\$4,180	\$536,000	\$528,000	\$2,680	\$335,000	\$330,000
\$5,54	\$680,000	\$670,000	\$4,320	\$544,000	\$536,000	\$2,770	\$340,000	\$335,000
\$5,72	\$690,000	\$680,000	\$4,460	\$552,000	\$544,000	\$2,860	\$345,000	\$340,000
\$5,90	\$1,000,000	\$690,000	\$4,600	\$800,000	\$552,000	\$2,950	\$500,000	\$345,000
\$6,00	\$1,010,000	\$1,000,000	\$4,680	\$808,000	\$800,000	\$3,000	\$505,000	\$500,000
\$6,10	\$1,020,000	\$1,010,000	\$4,760	\$816,000	\$808,000	\$3,050	\$510,000	\$505,000
\$6,20	\$1,030,000	\$1,020,000	\$4,840	\$824,000	\$816,000	\$3,100	\$515,000	\$510,000
\$6,30	\$1,040,000	\$1,030,000	\$4,920	\$832,000	\$824,000	\$3,150	\$520,000	\$515,000
\$6,40	\$1,050,000	\$1,040,000	\$5,000	\$840,000	\$832,000	\$3,200	\$525,000	\$520,000
\$6,50	\$1,060,000	\$1,050,000	\$5,080	\$848,000	\$840,000	\$3,250	\$530,000	\$525,000
\$6,60	\$1,070,000	\$1,060,000	\$5,160	\$856,000	\$848,000	\$3,300	\$535,000	\$530,000
\$6,70	\$1,080,000	\$1,070,000	\$5,240	\$864,000	\$856,000	\$3,350	\$540,000	\$535,000
\$6,80	and up	\$1,080,000	\$5,320	and up	\$864,000	\$3,400	and up	\$540,000

Withholding Code A			With	holding Co	de B	Withholding Code C Withholding			holding Co	de F	
Annualiz	ed Salary		Annualize	ed Salary		Annualize	ed Salary		Annualized Salary		
More Than	Less Than or Equal To	Decimal Amount	More Than	Less Than or Equal To	Decimal Amount	More Than	Less Than or Equal To	Decimal Amount	More Than	Less Than or Equal To	Decimal Amount
\$12,000	\$15,000	.75	\$19,000	\$24,000	.75	\$24,000	\$30,000	.75	\$15,000	\$18,800	.75
\$15,000	\$15,500	.70	\$24,000	\$24,500	.70	\$30,000	\$30,500	.70	\$18,800	\$19,300	.70
\$15,500	\$16,000	.65	\$24,500	\$25,000	.65	\$30,500	\$31,000	.65	\$19,300	\$19,800	.65
\$16,000	\$16,500	.60	\$25,000	\$25,500	.60	\$31,000	\$31,500	.60	\$19,800	\$20,300	.60
\$16,500	\$17,000	.55	\$25,500	\$26,000	.55	\$31,500	\$32,000	.55	\$20,300	\$20,800	.55
\$17,000	\$17,500	.50	\$26,000	\$26,500	.50	\$32,000	\$32,500	.50	\$20,800	\$21,300	.50
\$17,500	\$18,000	.45	\$26,500	\$27,000	.45	\$32,500	\$33,000	.45	\$21,300	\$21,800	.45
\$18,000	\$18,500	.40	\$27,000	\$27,500	.40	\$33,000	\$33,500	.40	\$21,800	\$22,300	.40
\$18,500	\$20,000	.35	\$27,500	\$34,000	.35	\$33,500	\$40,000	.35	\$22,300	\$25,000	.35
\$20,000	\$20,500	.30	\$34,000	\$34,500	.30	\$40,000	\$40,500	.30	\$25,000	\$25,500	.30
\$20,500	\$21,000	.25	\$34,500	\$35,000	.25	\$40,500	\$41,000	.25	\$25,500	\$26,000	.25
\$21,000	\$21,500	.20	\$35,000	\$35,500	.20	\$41,000	\$41,500	.20	\$26,000	\$26,500	.20
\$21,500	\$25,000	.15	\$35,500	\$44,000	.15	\$41,500	\$50,000	.15	\$26,500	\$31,300	.15
\$25,000	\$25,500	.14	\$44,000	\$44,500	.14	\$50,000	\$50,500	.14	\$31,300	\$31,800	.14
\$25,500	\$26,000	.13	\$44,500	\$45,000	.13	\$50,500	\$51,000	.13	\$31,800	\$32,300	.13
\$26,000	\$26,500	.12	\$45,000	\$45,500	.12	\$51,000	\$51,500	.12	\$32,300	\$32,800	.12
\$26,500	\$27,000	.11	\$45,500	\$46,000	.11	\$51,500	\$52,000	.11	\$32,800	\$33,300	.11
\$27,000	\$48,000	.10	\$46,000	\$74,000	.10	\$52,000	\$96,000	.10	\$33,300	\$60,000	.10
\$48,000	\$48,500	.09	\$74,000	\$74,500	.09	\$96,000	\$96,500	.09	\$60,000	\$60,500	.09
\$48,500	\$49,000	.08	\$74,500	\$75,000	.08	\$96,500	\$97,000	.08	\$60,500	\$61,000	.08
\$49,000	\$49,500	.07	\$75,000	\$75,500	.07	\$97,000	\$97,500	.07	\$61,000	\$61,500	.07
\$49,500	\$50,000	.06	\$75,500	\$76,000	.06	\$97,500	\$98,000	.06	\$61,500	\$62,000	.06
\$50,000	\$50,500	.05	\$76,000	\$76,500	.05	\$98,000	\$98,500	.05	\$62,000	\$62,500	.05
\$50,500	\$51,000	.04	\$76,500	\$77,000	.04	\$98,500	\$99,000	.04	\$62,500	\$63,000	.04
\$51,000	\$51,500	.03	\$77,000	\$77,500	.03	\$99,000	\$99,500	.03	\$63,000	\$63,500	.03
\$51,500	\$52,000	.02	\$77,500	\$78,000	.02	\$99,500	\$100,000	.02	\$63,500	\$64,000	.02
\$52,000	\$52,500	.01	\$78,000	\$78,500	.01	\$100,000	\$100,500	.01	\$64,000	\$64,500	.01
\$52,500	and up	.00	\$78,500	and up	.00	\$100,500	and up	.00	\$64,500	and up	.00

Table E - Personal Tax Credits

* For *Withholding Code* "D", the Personal Tax Credit is 0.00.