

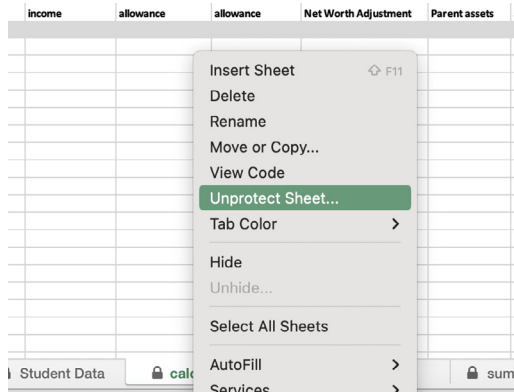
# Instructions for Updating the SAI Modeling Tool with Inflation-Adjusted Tables

The Department of Education (ED) recently released updated [tables](#) to the 2024-25 federal need analysis formula to reflect inflationary adjustments to the Income Protection Allowance (IPA), Employment Expense Allowance, Business/Farm Net Worth Adjustment, Asset Protection Allowance (APA), and Contribution from Adjusted Available Income.

NASFAA's SAI modeling tool was developed based on ED's [draft](#) Student Aid Index (SAI) guide and, as such, matched ED's original plans to proceed with non-inflation adjusted tables for 2024-25, meaning that modeling completed with the previous tool will result in artificially high SAIs and, consequently, lower demonstrated need than students will eventually demonstrate once inflation adjustments are made.

NASFAA has updated the SAI modeling tool with the updated tables and institutions can re-load their data into this updated version to get new SAI estimates. NASFAA recognizes that some institutions may prefer to use a version of the modeling tool they have already imported student data into and update the formulas in the tool itself versus reloading student data into the latest version of the tool. For this reason, we have drafted instructions for how institutions can update formulas reflecting the estimated new tables into an earlier version of the model themselves.

- Make a backup copy of your SAI modeling tool that includes your student data
- In the copy, unlock the calcs tab, the SAI tab, and the APA tab by right-clicking each tab at the bottom of the page and selecting Unprotect Sheet. There is no password to unlock the sheets.



## Income Protection Allowance Updates

- In calcs tab cell AD9, paste this updated formula for parents of dependent students:
  - =IF('Student Data'!L9="", "", IF('Student Data'!L9=2, "NA", IF('Student Data'!C9=2, 27600, IF('Student Data'!C9=3, 34350, IF('Student Data'!C9=4, 42430, IF('Student Data'!C9=5, 50060, IF('Student Data'!C9=6, 58560, IF('Student Data'!C9=7, 65170, IF('Student Data'!C9=8, 71780, IF('Student Data'!C9=9, 78390, IF('Student Data'!C9=10, 85000, IF('Student Data'!C9=11, 91610, IF('Student Data'!C9=12, 98220, IF('Student Data'!C9=13, 104830, IF('Student Data'!C9=14, 111440, IF('Student Data'!C9=15, 118050, IF('Student Data'!C9=16, 124660, ""))))))))))))))
  - Copy the updated formula down the entire column so it is applied to all of your student records
- In calcs tab cell AT9, paste this updated formula for independent students without dependents:
  - =IF('Student Data'!L9="", "", IF(BJ9<>3, "NA", IF('Student Data'!F9="", "", IF('Student Data'!F9=2, 27750, IF('Student Data'!F9<>2, 17310))))
  - Copy the updated formula down the entire column so it is applied to all of your student records

# Instructions for Updating the SAI Modeling Tool with Inflation-Adjusted Tables

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- In calcs tab cell BC9, paste this updated formula for independent students with dependents:  
 =IF('Student Data'!L9="", "", IF(BJ9<>2, "NA", IF('Student Data'!F9="", "", IF('Student Data'!I9="", "", IF(AND('Student Data'!F9=2,'Student Data'!I9=3),54580,IF(AND('Student Data'!F9=2,'Student Data'!I9=4),67400,IF(AND('Student Data'!F9=2,'Student Data'!I9=5),79530,IF(AND('Student Data'!F9=2,'Student Data'!I9=6),93010,IF(AND('Student Data'!F9=2,'Student Data'!I9=7),103520,IF(AND('Student Data'!F9=2,'Student Data'!I9=8),114030,IF(AND('Student Data'!F9=2,'Student Data'!I9=9),124540,IF(AND('Student Data'!F9=2,'Student Data'!I9=10),135050,IF(AND('Student Data'!F9=2,'Student Data'!I9=11),145560,IF(AND('Student Data'!F9=2,'Student Data'!I9=12),156070,IF(AND('Student Data'!F9=2,'Student Data'!I9=13),166580,IF(AND('Student Data'!F9=2,'Student Data'!I9=14),177090,IF(AND('Student Data'!F9=2,'Student Data'!I9=15),187600,IF(AND('Student Data'!F9=2,'Student Data'!I9=16),198110,(IF(AND('Student Data'!F9<>2,'Student Data'!I9=2),51960,IF(AND('Student Data'!F9<>2,'Student Data'!I9=3),64700,IF(AND('Student Data'!F9<>2,'Student Data'!I9=4),79880,IF(AND('Student Data'!F9<>2,'Student Data'!I9=5),94260,IF(AND('Student Data'!F9<>2,'Student Data'!I9=6),110230,IF(AND('Student Data'!F9<>2,'Student Data'!I9=7),122690,IF(AND('Student Data'!F9<>2,'Student Data'!I9=8),135150,IF(AND('Student Data'!F9<>2,'Student Data'!I9=9),147610,IF(AND('Student Data'!F9<>2,'Student Data'!I9=10),160070,IF(AND('Student Data'!F9<>2,'Student Data'!I9=11),172530,IF(AND('Student Data'!F9<>2,'Student Data'!I9=12),184990,IF(AND('Student Data'!F9<>2,'Student Data'!I9=13),197450,IF(AND('Student Data'!F9<>2,'Student Data'!I9=14),209910,IF(AND('Student Data'!F9<>2,'Student Data'!I9=15),222370,IF(AND('Student Data'!F9<>2,'Student Data'!I9=16),234830,"")))))))))))))))))))))))))))))))

Copy the updated formula down the entire column so it is applied to all of your student records

- In SAI tab cell X9, paste this updated formula for dependent students:  
 =IF(VLOOKUP(calcs!\$A9,calcs!\$A:\$BT,62,FALSE)="", "", IF(VLOOKUP(calcs!\$A9, calcs!\$A:\$BT,62,FALSE)<>1, "NA",11130))

Copy the updated formula down the entire column so it is applied to all of your student records

Save all changes

## Employment Expense Allowance Updates

- In calcs tab cell Z9, paste this updated formula for parents of dependent students:  
 =IF('Student Data'!L9="", "", IF('Student Data'!L9=2,"NA",IF(('Student Data'!AA9+'Student Data'!AB9)<0,0,(MIN(4730,('Student Data'!AA9+'Student Data'!AB9)\*0.35))))))
- Copy the updated formula down the entire column so it is applied to all of your student records
- In calcs tab cell AP9, paste this updated formula for independent students without dependents:  
 =IF('Student Data'!L9="", "", IF(BJ9<>3, "NA", IF(('Student Data'!BB9+'Student Data'!BC9)<0,0,IF(OR('Student Data'!H9=1,'Student Data'!H9=4,'Student Data'!H9=5),0,IF(OR('Student Data'!H9=2,'Student Data'!H9=3),MIN(4730,('Student Data'!BB9+'Student Data'!BC9)\*0.35),IF(OR('Student Data'!H9=6,'Student Data'!H9=""),0,0))))))

Copy the updated formula down the entire column so it is applied to all of your student records

# Instructions for Updating the SAI Modeling Tool with Inflation-Adjusted Tables

In calcs tab cell AY9, paste this updated formula for independent students with dependents:

=IF("Student Data"!L9="", "", IF(BJ9<>2, "NA", IF(("Student Data"!BP9+'Student Data'!BQ9)<0,0,(MIN(4730,('Student Data'!BP9+'Student Data'!BQ9)\*0.35))))))

Copy the updated formula down the entire column so it is applied to all of your student records

Save all changes

## Business/Farm Net Worth Adjustment Updates

In calcs tab cell AA9, paste this updated formula for parents of dependent students:

=IF("Student Data"!L9="", "", IF("Student Data"!L9=2, "NA", IF("Student Data"!AM9<1,0,IF(AND("Student Data"!AM9>=1,'Student Data'!AM9<=165000),('Student Data'!AM9\*0.4),IF(AND("Student Data'!AM9>165000,'Student Data'!AM9<=490000),(66000+(0.5\*('Student Data'!AM9-165000))),IF(AND("Student Data'!AM9>490000,'Student Data'!AM9<=820000),(228500+(0.6\*('Student Data'!AM9-490000))),IF("Student Data'!AM9>820000,(426500+('Student Data'!AM9-820000))))))))))

Copy the updated formula down the entire column so it is applied to all of your student records

In calcs tab cell AI9, paste this updated formula for dependent students:

=IF("Student Data"!L9="", "", IF("Student Data"!L9=2, "NA", IF("Student Data"!AZ9<1,0,IF(AND("Student Data'!AZ9>=1,'Student Data'!AZ9<=165000),('Student Data'!AZ9\*0.4),IF(AND("Student Data'!AZ9>165000,'Student Data'!AZ9<=490000),(66000+(0.5\*('Student Data'!AZ9-165000))),IF(AND("Student Data'!AZ9>490000,'Student Data'!AZ9<=820000),(228500+(0.6\*('Student Data'!AZ9-490000))),IF("Student Data'!AZ9>820000,(426500+('Student Data'!AZ9-820000))))))))))

Copy the updated formula down the entire column so it is applied to all of your student records

In calcs tab cell AQ9, paste this updated formula for independent students without dependents:

=IF("Student Data"!L9="", "", IF(BJ9<>3, "NA", IF("Student Data'!BN9<1,0,IF(AND("Student Data'!BN9>=1,'Student Data'!BN9<=165000),('Student Data'!BN9\*0.4),IF(AND("Student Data'!BN9>165000,'Student Data'!BN9<=490000),(66000+(0.5\*('Student Data'!BN9-165000))),IF(AND("Student Data'!BN9>490000,'Student Data'!BN9<=820000),(228500+(0.6\*('Student Data'!BN9-490000))),IF("Student Data'!BN9>820000,(426500+('Student Data'!BN9-820000))))))))))

Copy the updated formula down the entire column so it is applied to all of your student records

In calcs tab cell AZ9, paste this updated formula for independent students with dependents:

=IF("Student Data"!L9="", "", IF(BJ9<>2, "NA", IF("Student Data'!CB9<1,0,IF(AND("Student Data'!CB9>=1,'Student Data'!CB9<=165000),('Student Data'!CB9\*0.4),IF(AND("Student Data'!CB9>165000,'Student Data'!CB9<=490000),(66000+(0.5\*('Student Data'!CB9-165000))),IF(AND("Student Data'!CB9>490000,'Student Data'!CB9<=820000),(228500+(0.6\*('Student Data'!CB9-490000))),IF("Student Data'!CB9>820000,(426500+('Student Data'!CB9-820000))))))))))

Copy the updated formula down the entire column so it is applied to all of your student records

Save all changes



# Instructions for Updating the SAI Modeling Tool with Inflation-Adjusted Tables

## Contribution from Adjusted Available Income Updates

- In SAI tab cell T9, paste this updated formula for parents of dependent students:
  - =IF(VLOOKUP(calcs!\$A9,calcs!\$A:\$BT,62,FALSE)="","",IF(VLOOKUP(calcs!\$A9,calcs!\$A:\$BT,62,FALSE)<>1,"NA",IF(S9<-6820,-1500,IF(AND(S9>=-6820,S9<=20600),(S9\*0.22),IF(AND(S9>20600,S9<=25800),(4532+(0.25\*(S9-20600))),IF(AND(S9>25800,S9<=31000),(5832+(0.29\*(S9-25800))),IF(AND(S9>31000,S9<=36300),(7340+(0.34\*(S9-31000))),IF(AND(S9>36300,S9<=41500),(9142+(0.4\*(S9-36300))),IF(S9>41500,(11222+(0.47\*(S9-41500)))))))))))))
  - Copy the updated formula down the entire column so it is applied to all of your student records
- In SAI tab cell B19, paste this updated formula for independent students with dependents:
  - =IF(VLOOKUP(calcs!\$A9,calcs!\$A:\$BT,62,FALSE)="","",IF(VLOOKUP(calcs!\$A9,calcs!\$A:\$BT,62,FALSE)<>2,"NA",IF(BH9<-6820,-1500,IF(AND(BH9>=-6820,BH9<=20600),(BH9\*0.22),IF(AND(BH9>20600,BH9<=25800),(4532+(0.25\*(BH9-20600))),IF(AND(BH9>25800,BH9<=31000),(5832+(0.29\*(BH9-25800))),IF(AND(BH9>31000,BH9<=36300),(7340+(0.34\*(BH9-31000))),IF(AND(BH9>36300,BH9<=41500),(9142+(0.4\*(BH9-36300))),IF(BH9>41500,(11222+(0.47\*(BH9-41500)))))))))))))
  - Copy the updated formula down the entire column so it is applied to all of your student records
- Save all changes

## Asset Protection Allowance Updates

- In the APA tab, adjust all values to 0 in the following columns:
  - C, for parents of dependent students
  - H, for independent students without dependents
  - M, for independent students with dependents
- Save all changes

## Optional clean-up (does not impact calculations)

- Re-lock the calcs tab, the SAI tab, and the APA tab by right-clicking each tab at the bottom of the page and selecting Protect Sheet.
- Update tables on new tables from legislation tab
- Update formulas in Definitions tab
- Update relevant formulas in line 6 of calcs tab and in line 5 of SAI tab