

Centers for Disease Control and Prevention
(CDC)

National Center for Environmental Health
(NCEH)

Division of Laboratory Sciences (DLS)

**NEWBORN SCREENING AND
MOLECULAR BIOLOGY BRANCH
(NSMBB)**

**NEWBORN SCREENING QUALITY
ASSURANCE PROGRAM (NSQAP)
PORTAL**

CAHPT USER GUIDE

July 2026

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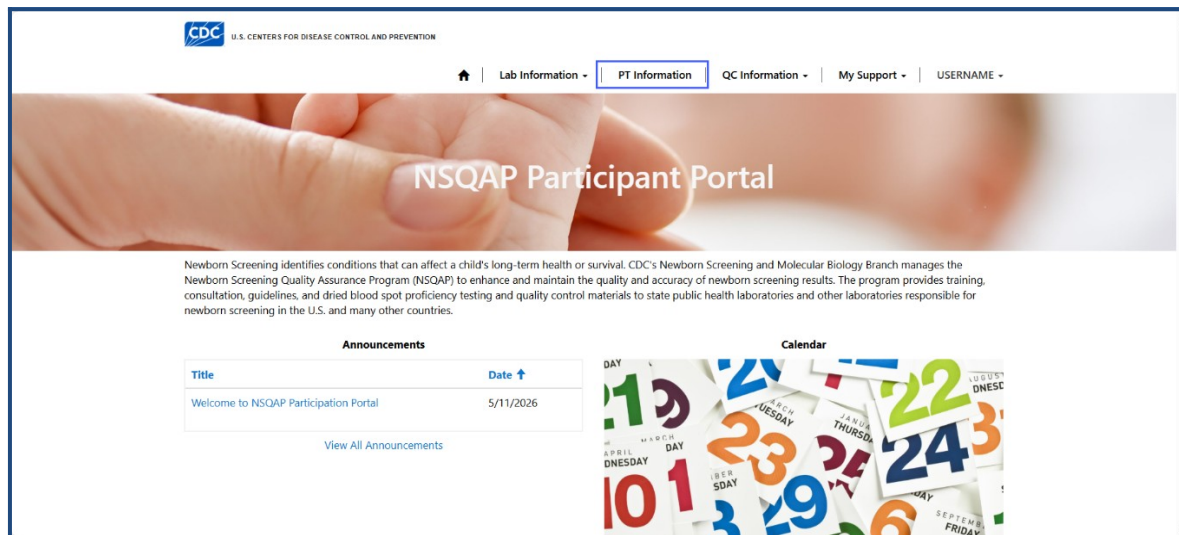
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1. CAHPT Program Entry Page

1.1 Navigation

To enter and save CAHPT data, navigate to the CAHPT program entry page. Access the page from the 'CAH Entry' option on the Disease Specific PT landing page.

1. Click 'PT Information' from the upper toolbar.



2. Click 'Disease Specific PT' from the PT Information page.



3. Click 'CAH' to navigate to the entry page.

ALD ENTRY

Name ↑

Saved By

ALD

CAH ENTRY

Name ↑

Saved By

CAH

HB ENTRY

Name ↑

Saved By

Hb

HIV Entry

Name ↑

Saved by

HIV

TOXO Entry

Name ↑

Saved By

TOXO

ALD REVIEW/SUBMIT

Name ↑

Submitted By

isSubmitted

ALD

Yes

CAH REVIEW/SUBMIT

Name ↑

Submitted By

isSubmitted

CAH

HB REVIEW/SUBMIT

Name ↑

Submitted By

isSubmitted

Hb

HIV REVIEW/SUBMIT

Name ↑

Submitted By

isSubmitted

HIV

No

TOXO REVIEW/SUBMIT

Name ↑

Submitted By

isSubmitted

TOXO

No

4. Enter CAHPT method information and data.

Home > Second-tier Congenital Adrenal Hyperplasia by LC-MS/MS Proficiency Testing (CAHPT)

Second-tier Congenital Adrenal Hyperplasia by LC-MS/MS Proficiency Testing (CAHPT)

Laboratories must use the algorithm (17OHP+4AD)/CORT to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.

Unit of measure: ng/mL Serum

17-hydroxyprogesterone (17OHP) Conversion factor from nM to ng/mL: Multiply by 0.66
4-androstenedione (4AD) Conversion factor from nM to ng/mL: Multiply by 0.57
Cortisol (CORT) Conversion factor from nM to ng/mL: Multiply by 0.72
11-deoxycortisol (11D) Conversion factor from nM to ng/mL: Multiply by 0.69
21-deoxycortisol (21D) Conversion factor from nM to ng/mL: Multiply by 0.69

LC-MS/MS Clinical Ratio Cutoff:

17OHP Cutoff

21D Cutoff

If results are <LOD or not reported, leave the results field blank

Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select
11D 	CORT 	21D 	21D Clinical Assessment * Select
		Clinical Ratio 	Clinical Assessment * Select
Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select
11D 	CORT 	21D 	21D Clinical Assessment * Select
		Clinical Ratio 	Clinical Assessment * Select
Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select
11D 	CORT 	21D 	21D Clinical Assessment * Select
		Clinical Ratio 	Clinical Assessment * Select
Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select
11D 	CORT 	21D 	21D Clinical Assessment * Select
		Clinical Ratio 	Clinical Assessment * Select
Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select
11D 	CORT 	21D 	21D Clinical Assessment * Select
		Clinical Ratio 	Clinical Assessment * Select

Comments

Save

RESET FORM

* Required Field

Form Approval
CRM No. 9803-1389
Exp. Date 02/13/2028

1.2 Method Information

Navigate to the page titled 'Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)' to view method related instructions and report a clinical ratio cutoff (optional). Navigation details can be found in section 1.1.

Laboratories must use the algorithm (17OHP+4AD)/CORT to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.

1. Review the method information instructions for unit of measure and conversion factor guidance.

Home > Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)

Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)

Laboratories must use the algorithm (17OHP+4AD)/CORT to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.

Unit of measure: ng/mL (Serum)

17-hydroxyprogesterone (17OHP) Conversion factor from nM to ng/mL: Multiply by 0.66

4-androstenedione (4AD) Conversion factor from nM to ng/mL: Multiply by 0.57

Cortisol (CORT) Conversion factor from nM to ng/mL: Multiply by 0.72

11-deoxycortisol (11D) Conversion factor from nM to ng/mL: Multiply by 0.69

21-deoxycortisol (21D) Conversion factor from nM to ng/mL: Multiply by 0.69

LC-MS/MS Clinical Ratio Cutoff:

2. Enter a LC-MS/MS clinical ratio cutoff value, 17OHP cutoff value, and/or 21D cutoff value in the designated open text fields (optional).

Proficiency Testing (CAHPT)

Laboratories must use the algorithm (17OHP+4AD)/CORT to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.

Unit of measure: ng/mL (Serum)

17-hydroxyprogesterone (17OHP) Conversion factor from nM to ng/mL: Multiply by 0.66

4-androstenedione (4AD) Conversion factor from nM to ng/mL: Multiply by 0.57

Cortisol (CORT) Conversion factor from nM to ng/mL: Multiply by 0.72

11-deoxycortisol (11D) Conversion factor from nM to ng/mL: Multiply by 0.69

21-deoxycortisol (21D) Conversion factor from nM to ng/mL: Multiply by 0.69

LC-MS/MS Clinical Ratio Cutoff:

17OHP Cutoff

21D Cutoff

1.3 Results Entry

Navigate to the page titled 'Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)' to enter CAHPT results, clinical ratios, and clinical assessments. Navigation details can be found in section 1.1.

Home > Second-tier Congenital Adrenal Hyperplasia by LC-MS/MS Proficiency Testing (CAHPT)

Second-tier Congenital Adrenal Hyperplasia by LC-MS/MS Proficiency Testing (CAHPT)

Laboratories must use the algorithm (17OHP+4ADO/CORT) to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.

Unit of measure: ng/mL (Genent)

17-hydroxyprogesterone (17OHP) Conversion factor from nM to ng/mL: Multiply by 0.66
 4-androstenedione (4ADO) Conversion factor from nM to ng/mL: Multiply by 0.57
 Cortisol (CORT) Conversion factor from nM to ng/mL: Multiply by 0.72
 11-deoxy cortisol (11D) Conversion factor from nM to ng/mL: Multiply by 0.69
 21-deoxy cortisol (21D) Conversion factor from nM to ng/mL: Multiply by 0.69

LC-MS/MS Clinical Ratio Cutoff:

17OHP Cutoff:

21D Cutoff:

If results are <LOD or not reported, leave the results field blank

Specimen Number	4ADO	17OHP	17OHP Clinical Assessment *
123456789			Select v
11D		21D	21D Clinical Assessment *
			Select v
		Clinical Ratio	Clinical Assessment *
			Select v

⌵

Specimen Number	4ADO	17OHP	17OHP Clinical Assessment *
123456789			Select v
11D		21D	21D Clinical Assessment *
			Select v
		Clinical Ratio	Clinical Assessment *
			Select v

⌵

Specimen Number	4ADO	17OHP	17OHP Clinical Assessment *
123456789			Select v
11D		21D	21D Clinical Assessment *
			Select v
		Clinical Ratio	Clinical Assessment *
			Select v

⌵

Specimen Number	4ADO	17OHP	17OHP Clinical Assessment *
123456789			Select v
11D		21D	21D Clinical Assessment *
			Select v
		Clinical Ratio	Clinical Assessment *
			Select v

⌵

Specimen Number	4ADO	17OHP	17OHP Clinical Assessment *
123456789			Select v
11D		21D	21D Clinical Assessment *
			Select v
		Clinical Ratio	Clinical Assessment *
			Select v

Comments

* Required field

Form Approved
 OMB No. 0503-0001
 Exp. Date 03/31/2025

1. Enter a value for 17OHP, 4AD, CORT, 11D, and/or 21D in the designated open-text fields per specimen (optional).

If results are <LOD or not reported, leave the results field blank

Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select ▼
11D 	CORT 	21D 	21D Clinical Assessment * Select ▼
Clinical Ratio 			Clinical Assessment * Select ▼

2. Enter a value for clinical ratio in the designated open-text field per specimen (optional).

If results are <LOD or not reported, leave the results field blank

Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select ▼
11D 	CORT 	21D 	21D Clinical Assessment * Select ▼
Clinical Ratio 			Clinical Assessment * Select ▼

3. Choose a clinical assessment, for each of the five specimens by clicking the drop-down arrows.

If results are <LOD or not reported, leave the results field blank

Specimen Number 123456789	4AD 	17OHP 	17OHP Clinical Assessment * Select ▼
11D 	CORT 	21D 	21D Clinical Assessment * Select ▼
Clinical Ratio 			Clinical Assessment * Select ▼

4. If needed, enter optional comments in the comment box.

Comments

SAVE
RESET FORM

1.4 Save

1. Save CAHPT specimen results by clicking the **'Save'** button located at the bottom of the page.

NOTE: All information & data must be saved at the same time. Data cannot be partially saved.

The screenshot shows a web form for entering specimen results. At the top, there are four input fields: Specimen Number (containing '20213010005'), 17OHP, 4AD, and CORT. Below these are four more fields: 11D, 21D, Clinical Ratio, and Clinical Assessment (with a dropdown arrow). A large text area for 'Comments' is below the input fields. At the bottom left, there are two buttons: 'SAVE' (highlighted in blue) and 'RESET FORM'.

2. If you attempt to save the form without entering **all required fields** you will receive an error message. Complete the missing fields and click 'Save' again.

The screenshot shows the CAHPT form with an error message. The title is 'Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)'. Below the title is a paragraph of instructions: 'Laboratories must use the algorithm (17OHP+4AD)/CORT to determine the Clinical Ratio for each specimen. If another ratio or algorithm is used to evaluate specimens, your assessment may not agree with CDC's expected clinical assessment. Materials also include 11D and 21D, however, these analytes are for information only and cannot be used to evaluate specimens.'

Below the instructions is a list of conversion factors:

- Unit of measure: ng/mL (Serum)
- 17-hydroxyprogesterone (17OHP) Conversion factor from nM to ng/mL: Multiply by 0.66
- 4-androstenedione (4AD) Conversion factor from nM to ng/mL: Multiply by 0.57
- Cortisol (CORT) Conversion factor from nM to ng/mL: Multiply by 0.72
- 11-deoxycortisol (11D) Conversion factor from nM to ng/mL: Multiply by 0.69
- 21-deoxycortisol (21D) Conversion factor from nM to ng/mL: Multiply by 0.69

At the bottom, a red error message states: 'The form could not be submitted for the following reasons: Clinical Assessment is a required field.'

3. After you have successfully saved your data and information, you will be redirected to the review and submit page.

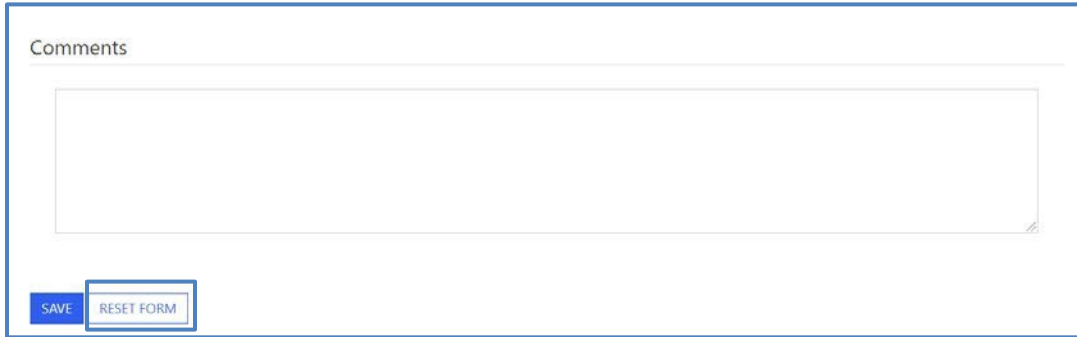
NOTE: At this point your data has only been **saved**. You must navigate to the CAHPT review and submit page to submit your data. See section 2 for additional details.

NOTE: This page can be saved and re-saved as many times as needed, but each new save will overwrite the previous save(s).

1.5 Reset Form

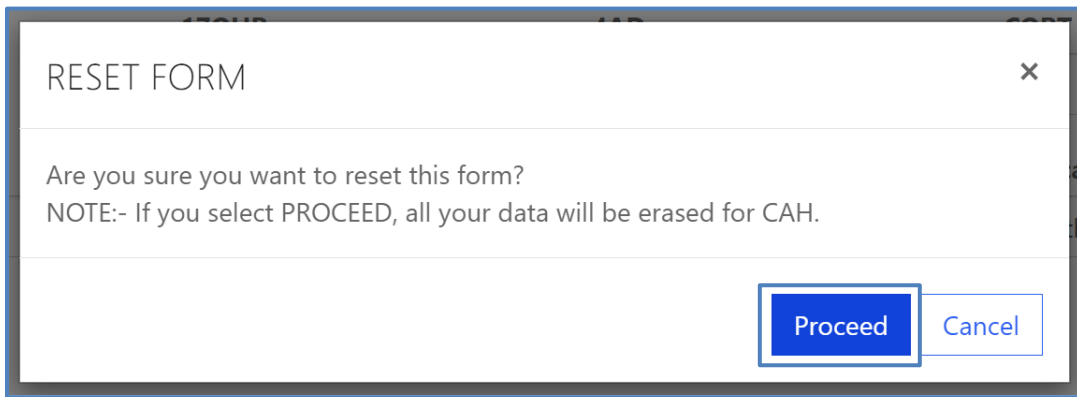
If needed, the 'Second-tier Congenital Adrenal Hyperplasia Proficiency Testing Program (CAHPT)' portal page can be reset.

1. Scroll to the bottom of the page and click the 'Reset Form' button.



The screenshot shows a web form with a 'Comments' section containing a large text area. Below the text area are two buttons: 'SAVE' and 'RESET FORM'. The 'RESET FORM' button is highlighted with a blue border.

2. Confirm the form reset by clicking 'Proceed'.



The screenshot shows a modal dialog box titled 'RESET FORM' with a close button (X) in the top right corner. The dialog contains the text: 'Are you sure you want to reset this form?' followed by a note: 'NOTE:- If you select PROCEED, all your data will be erased for CAH.' At the bottom right of the dialog are two buttons: 'Proceed' (highlighted with a blue border) and 'Cancel'.

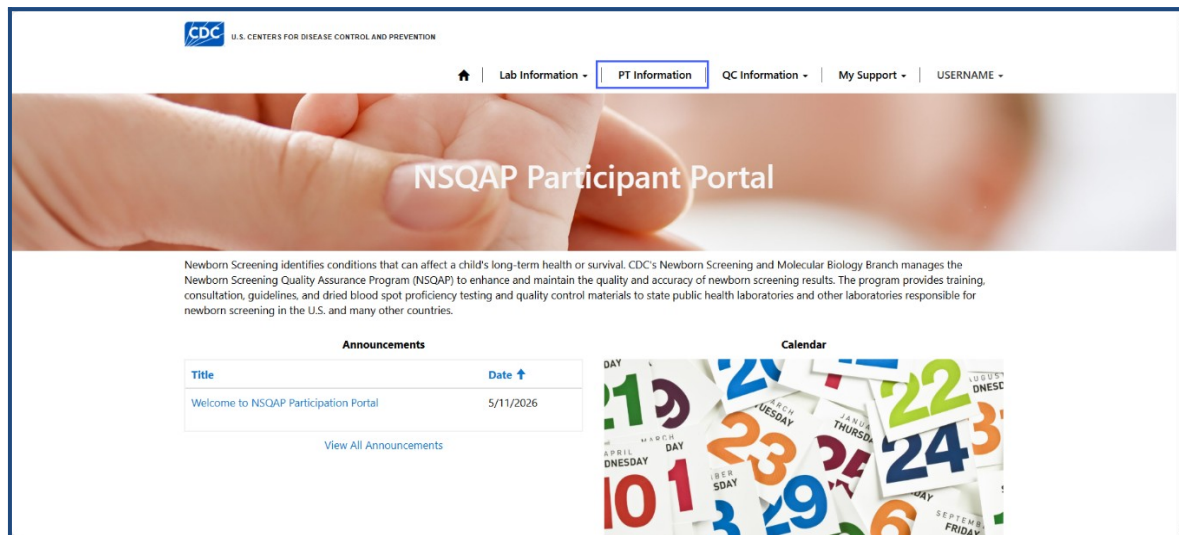
3. You will be redirected back to the CAH results entry landing page after the form is reset. Complete the CAHPT program entry as detailed in sections 1.2 – 1.4.

2. CAHPT Review & Submit Page

2.1 Navigation

Review and submit CAHPT specimen data after method information and results have been entered and saved (see section 1). Navigate to the CAHPT program Review and Submit page.

1. Click 'PT Information' from the upper toolbar.



2. Click 'Disease Specific PT' from the PT Information page.



3. Click 'CAH' to navigate to the review and submit page.

ALD ENTRY		ALD REVIEW/SUBMIT		
Name ↑	Saved By	Name ↑	Submitted By	isSubmitted
ALD		ALD		Yes
CAH ENTRY		CAH REVIEW/SUBMIT		
Name ↑	Saved By	Name ↑	Submitted By	isSubmitted
CAH		CAH		
HB ENTRY		HB REVIEW/SUBMIT		
Name ↑	Saved By	Name ↑	Submitted By	isSubmitted
Hb		Hb		
HIV Entry		HIV REVIEW/SUBMIT		
Name ↑	Saved by	Name ↑	Submitted By	isSubmitted
HIV		HIV		No
TOXO Entry		TOXO REVIEW/SUBMIT		
Name ↑	Saved By	Name ↑	Submitted By	isSubmitted
TOXO		TOXO		No

- [illegible]

2. If edits are necessary, navigate back to the CAH entry page and make changes as described in section 1 or click the link '**Navigate to the CAH Entry Page to Make Edits**'.

Comments

After you click submit your submission will be locked and cannot be changed. [Navigate to the CAH Entry Page to Make Edits](#)

SUBMIT

3. After reviewing, submit your results by clicking the 'Submit' button. See section 2.3 for additional details.

Comments

After you click submit your submission will be locked and cannot be changed. [Navigate to the CAH Entry Page to Make Edits](#)

SUBMIT

2.3 Submit

1. Navigate to the 'CAHPT Review/Submit' page to submit CAHPT method information and results.

CAHPT Review/Submit

LC-MS/MS Clinical Ratio Cutoff:
66.00

17OHP Cutoff
—

21D Cutoff
—

Specimen Number	4AD	17OHP	17OHP Clinical Assessment *
123456789	55.00	55.00	—
11D	CORT	21D	21D Clinical Assessment *
55.00	55.00	55.00	—
Clinical Ratio			Clinical Assessment *
55.00			Within Normal Limits

2. After reviewing the CAHPT review and submit page, submit results by clicking the 'Submit' button located at the bottom of the page.

Comments

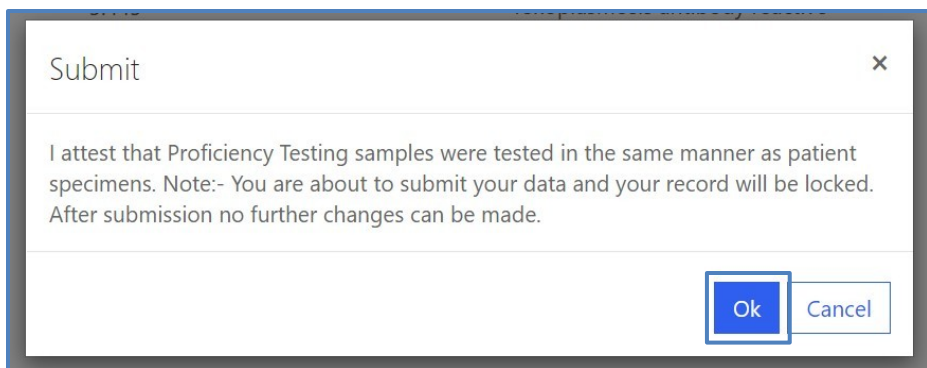
—

After you click submit your submission will be locked and cannot be changed. [Navigate to the CAH Entry Page to Make Edits](#)

SUBMIT

3. You will be prompted to confirm that you are ready to submit. Click '**Ok**' to confirm and submit your CAHPT results.

NOTE: You are only allowed to submit your results **ONCE**. You must review and ensure your entered information and results are accurate **BEFORE** submitting.



4. The CAHPT data entry page cannot be accessed after submission. You can view your submitted data in a read-only format by accessing the review and submit page (see sections 2.1 and 2.2).

2.4 Save Data – PDF Format

Submitted data can be saved in a PDF format by using the ‘Save a PDF’ function included in your web browser.

Note: The location and appearance of this functionality will vary depending on the web browser being used.

1. Navigate to the review and submit page as described in section 2.1.

The screenshot displays a web interface with two columns of tables. The left column contains 'ENTRY' tables, and the right column contains 'REVIEW/SUBMIT' tables. The 'CAH REVIEW/SUBMIT' table is highlighted with a blue border.

ALD ENTRY	
Name ↑	Saved By
ALD	

ALD REVIEW/SUBMIT		
Name ↑	Submitted By	isSubmitted
ALD		Yes

CAH ENTRY	
Name ↑	Saved By
CAH	

CAH REVIEW/SUBMIT		
Name ↑	Submitted By	isSubmitted
CAH		

HB ENTRY	
Name ↑	Saved By
Hb	

HB REVIEW/SUBMIT		
Name ↑	Submitted By	isSubmitted
Hb		

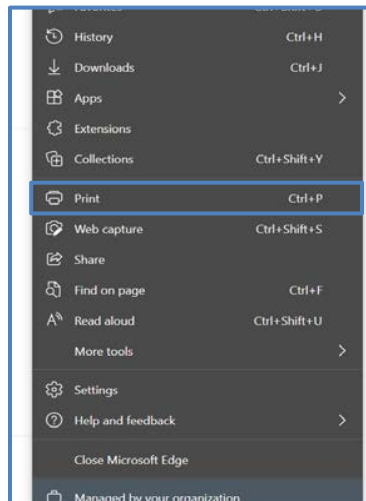
HIV Entry	
Name ↑	Saved by
HIV	

HIV REVIEW/SUBMIT		
Name ↑	Submitted By	isSubmitted
HIV		No

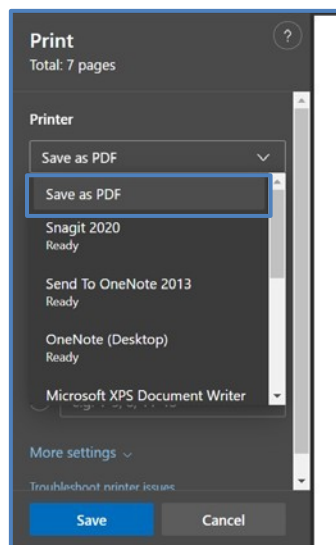
TOXO Entry	
Name ↑	Saved By
TOXO	

TOXO REVIEW/SUBMIT		
Name ↑	Submitted By	isSubmitted
TOXO		No

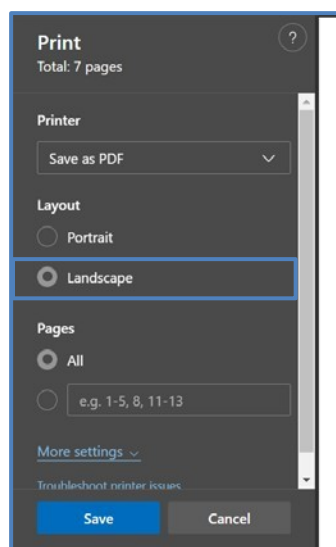
2. Locate the “Print” function on your web browser.



3. Select 'Save as PDF'.



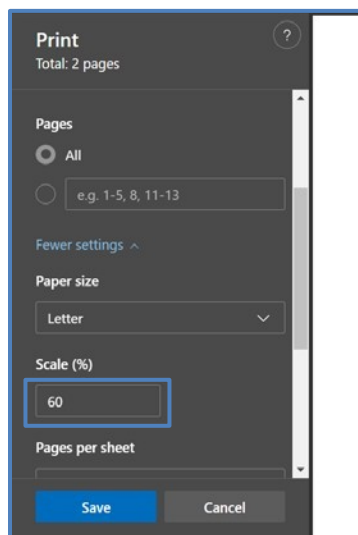
4. Select 'Landscape' as the layout choice.



5. Select 'More Settings'.



6. Adjust the scale percentage to 60%.



7. Select 'Save' to save the pdf file to your local drive's folder of choice.

