



OK CDC PA STATE REPORTING RELEASE NOTES

OK CDC PA – VERSION 1.0.130.RELEASE

REQUIRES ECHOVANTAGE VERSION 3.32 OR HIGHER

DOCUMENT HISTORY

Date	Description	Author	Version
01/28/2022	Initial Release	Heather Sherwood	1.099.RELEASE
04/04/2022	Updates for EV-3392	Heather Sherwood	1.0.114.RELEASE
04/15/2022	Updates for EV-3504	Heather Sherwood	1.0.127.RELEASE
06/02/2022	Bug Fix EV-4035	Heather Sherwood	1.0.130.RELEASE

OVERVIEW

The OK CDC PA State Reporting Interface provides a method to validate and submit to the state of Oklahoma data collected via an agency created form for the purpose of obtaining a Prior Authorization (PA) response. The form can be completed by the clinical staff and then use the interface to solicit a response from the state in real-time, instead of sending bulk batches and waiting for the replies.

INSTALLING THE CATKIN

The installation inserts a Catkin Registration record: *OKCDPA, Version 1.0.130.RELEASE* in the `dbo.CatkinRegistrations` table. After installation is complete, the Catkin version displays in the Help > About page under the *Catkins* section. The install script also installs the following forms, tables, and stored procedure if they do not already exist.

- Grand Client Data Core Form
- `dbo.GrandClientDataCore`
- OK CDCPA Configuration Form
- `dbo.ConfigOkCdcPa`
- Grand CDC Error Form
- `dbo.CDCPAErrors`
- `dbo.CDCPASubmissions`
- `dbo.CDCProgramProcedureCode_val`
- **`dbo.CDCPAErrorResponses`**
- `dbo.CDCSatellite_val`
- `dbo.CDCProblem_val`
- `dbo.CDCReferral_val`
- `dbo.CDCAgency_val`
- `dbo.CDCEducationLevel_val`
- `dbo.CDCCountyofCommit_val`
- `dbo.CDCDrugofChoice_val`
- `dbo.sp_OkCdcPa_ClientDataCoreValidation`

After the Catkin is installed, a data population script is run to populate the validation entries for the GRAND ClientDataCore Form.

CONFIGURING THE APPLICATION

The Catkin installs the OK CDCPA Configuration form and makes it available in the *FORMS* menu for members of the Admin User Group. Manage access to this form in *Configuration > Staff/Users > User Groups > Menu Options*. Enter the URL and credentials for the OK Department of Mental Health and Substance Abuse Services on this form - these credentials are used when the Validate button is selected on the Grand Client Data Core Form.



The screenshot shows the 'OK CD CPA Configuration' form. It includes a sidebar menu with options like Agency, Agency Alerts, OK CD CPA, OK CD CPA Configuration, Referrals, NSCL_Providers, Call Log, Staff, and Staff Details. The main form area has fields for Web Service URI, User ID, Password, User ID2, and Password2. There are 'Save' and 'Cancel' buttons at the bottom.

Also ensure the appropriate User Groups have access to the Grand Client Data Core Form. Form access is controlled in the VHR Timeline Header in *Configuration > Client Chart > VHR Timeline*. This form is used for data collection and submission.

CATEGORY DEPICTION MANAGER GRID GRAPHICS

Filter by... [?]

Header Editor [?]

Name*
Training

Vhr Categories
Groups
ALL

name	Admin	Therapist Ti	Care Coord	Finance Adl	F
Client Data Core	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ace Questionnaire	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outpatient Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Client or Clinician Override	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA/VALIDATION ON THE CLIENT DATA CORE FORM

The *PA/VALIDATION* tab of the agency created Client Data Core Form is used to view and manage the CDC submission process. New forms and validated forms that still have errors do not have a populated Submit Date on the first (Section 1) tab.



Client Data Core ✕

SECTION 1 **SECTION 2 PART 1** **SECTION 2 PART 2** **SECTION 2 PART 3** **SECTION 3** **PA/VALIDATION**

Client: 0000008TEST 0000008TEST Submit Date
CDC Client ID Maiden Name Copy Create Date*

Agency* **Screenings**

Satellite No*

Transaction Date

Transaction Time

Transaction Type

Service Focus

CDC Type*

Screenings

Mental Health Substance Use

Gambling Trauma

SOGSGSI CATS/PCL5 Score

ACE Score

Alert Info: Other

Primary Referral

Agency

Secondary Referral

Agency

Clinician of Record

If Child, IEP/504 for current school year? Date Expires

Receives Social Security for Mental Health reasons?

Has been hospitalized for Mental Health reasons?

**NOMS Fields are Green

Once sections one through three of the form are complete (the first five tabs), navigate to the PA/VALIDATION tab.



The screenshot shows the 'Client Data Core' application window with the 'PA/VALIDATION' section selected. The client ID is '0000008TEST 0000008TEST'. The 'PA Section' contains several input fields: 'Tx Plan Grid Start Date', 'PA End Date', 'CCBHC LEVEL', 'Program Procedure Code', 'Mode', 'CDC Key', and 'PA Originator ID'. Below this, the 'Validation' section has a 'Validation Date' field, a blue 'Validate' button (indicated by a red arrow), and a 'Navigate' link. A 'Has Errors' dropdown menu is also present. At the bottom, there are 'New', 'Delete', 'Save', and 'Cancel' buttons.

Select the blue *Validate* button to submit the collected data to the state of Oklahoma.

This screenshot shows the same 'Client Data Core' application window after the validation process. A grey message box is overlaid on the 'Validate' button, displaying the text 'OKCDPA 1 record submitted. 31 errors found.' (indicated by a red arrow). The 'Has Errors' dropdown menu now shows '1 Has Errors to be corrected' (also indicated by a red arrow). The 'Validate' button is now disabled. The 'Navigate' link remains visible. The 'New', 'Delete', 'Save', and 'Cancel' buttons are still at the bottom.

A loading spinner displays while the validation takes place. When complete, a message displays indicating if the record was submitted and the count of errors found, if any. To view the error details, select the blue *Navigate* button.



CDC Errors

Client 0000008 0000008TEST 0000008TEST

Error Code	Error Field	Error Message
Show all	Show all	Show all
CDC80250	NUM_ABSENT_DC	Absent From Day Care is required. (00-66 or 99)
CDC70735	carmed	CAR Medical/Physical is required (01-50 or 99)
CDC70745	carfam	CAR Family is required (01-50 or 99)
CDC70775	carsocleg	CAR Socio-Legal is required (01-50 or 99)
CDC50100	Gender	Gender is required.
CDC50070	recipient_id	Member ID is required. (9 CHARACTERS)
CDC60185	numlivho	numlivho not required for children but must be between 01 - 15 if given
CDC71580	clinician	Clinician Of Record is required. (10 Characters)
CDC50180	City	City is required.
CDC70785	carself	CAR Self Care/Basic Needs is required (01-50 or 99)
CDC50259	ACEScore	If the ACE score given, it must be valid
CDC50200	Address1	Address Line 1 is required.
CDC90030	transtype	Invalid Transaction Type: Customer does not have an open CDC episode with this agency
CDC50700	recipient_id	Customer not found in eligibility file, please check ID. New eligibility may take 24 hours.
CDC70715	carthink	CAR Think is required (01-50 or 99)

Errors are stored in the dbo.CDCPAErrors table. After reviewing and correcting the errors, validate the CDC form again. On validation, existing errors associated with that record are cleared, and new errors, if any, are recorded when the validation is complete.

When a form is successfully submitted without errors,

Client Data Core

SECTION 1 SECTION 2 PART 1 SECTION 2 PART 2 SECTION 2 PART 3 SECTION 3 PA/VALIDATION

Client Jim Aardvark

PA Section

Tx Plan Grid Start Date PA End Date CCBHC LEVEL:

Program Procedure Code PA Number

Mode

CDC Key 6442199

PA Originator ID

Validation

Validation Date 12/17/2021 validate Navigate

Has Errors 2 No Errors-Submitted success

New Delete Save Cancel

- The **CDC Key** field in the PA Section is populated with the authorization provided by the state of Oklahoma.
- In the Validation section,
 - The **Validation Date** is populated with the current date.
 - The **Has Errors** field is populated with value 2 *No Errors – Submitted Successfully*.
- The **Submit Date** field on the first tab (Section 1) is populated with the date of the successful submission.



Client Data Core SEND X

SECTION 1 SECTION 2 PART 1 SECTION 2 PART 2 SECTION 2 PART 3 SECTION 3 PA/VALIDATION

Client Jim Aardvark Submit Date 12/17/2021
Create Date* 11/30/2021

CDC Client ID 001 Maiden Name Copy

Agency* 0000000203

Satellite No* 100732860H

Transaction Date 12/06/2021

Transaction Time 10:34 AM

Transaction Typ 41 Non-NOMS Field Upc

Service Focus 15 Mental Health Court

Screenings

Mental Health 3 Not Administe Substance Use 3 Not Administe

Gambling 3 Not Administe Trauma 3 Not Administe

SOGSGSI CATS/PCL5 Score 54

ACE Score 09

- A copy of the submission with the Submit Date is stored in the dbo.CDCPASubmissions table.

AGENCY LEVEL VALIDATION

A customizable stored procedure, `dbo.sp_OkCdcPa_ClientDataCoreValidation`, is provided for the addition of agency level validation. The stored procedure is triggered on validate and runs before the submission to the state.

An example on how to add the validation is in the stored procedure as pictured below.

```
ALTER PROCEDURE [dbo].[sp_OkCdcPa_ClientDataCoreValidation]
    @Client CHAR(36), @AppUserId CHAR(36), @ClientDataCore CHAR(36) AS
BEGIN
    -- Do validation here to insert errors into dbo.CDCPAErrors
    -- Example:
    -- IF EXISTS (SELECT 1 FROM GrandClientDataCore WHERE id = @ClientDataCore AND <some error condition> )
    -- BEGIN
    --     INSERT INTO CDCPAErrors (id, Client, ClientDataCore, ErrorCode, ErrorMessage, ErrorField,
    --                             CreateDate, UpdateDate, CreateUser, UpdateUser)
    --     VALUES (dbo.NEWSMARTGUID(), @Client, @ClientDataCore, 'TEST01', 'Test Error Message',
    --             'SomeField', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, @AppUserId, @AppUserId)
    -- END
    --
    DECLARE @ErrorCount INT = (SELECT COUNT(*) FROM CDCPAErrors WHERE ClientDataCore = @ClientDataCore)

    UPDATE dbo.GrandClientDataCore
    SET ReadyForSubmission = CASE WHEN @ErrorCount = 0 THEN '1' ELSE '0' END
    WHERE id = @ClientDataCore
END
```

UPDATES

EV-3392 – ERROR SAVING SUBMISSION

A data truncation error issue was reported after validating an OK-CDC PA form. Despite the error, the CDC form submitted successfully to the state, and PA Start and End dates were created. However, the PA Start and End dates, in addition to other fields, were not recorded in the ClientDataCore table.

Some field length differences were found after reviewing the most recent XML file sample that could cause the data truncation error. This sample file also had a date with a time zone where the original file used in the catkin creation did not. The addition of the time zone is the reason the PA Start and End dates were not recorded.



The catkin was updated to support time zone when parsing the date. In addition, the following columns in the CDCPASubmissions table were expanded as noted below to address the data truncation issues.

- CDCKey, varchar(20)
- PGgroup, varchar(10)
- PAnumber, varchar(15)
- _PG_group, varchar(10)
- _PA_number, varchar(15)
- pastatus_vc, varchar(20)
- ValidationDate, datetime

New columns were also added for missing response fields.

- paStatus
- acceptedDate

The changes also include a new table `dbo.CDCPAErrorResponses` that stores the response object only if the catkin fails to save a submission record, like in the case of a Data Truncation error. This table can be queried to get the response XML for troubleshooting. After the problem that caused the error is identified and addressed, the submission should be run again. Once the submission is saved successfully, the XML response for that `ClientDataCore` id is automatically deleted.

The catkin was also updated with the most recent copies of the OKCDC form, associated views, and the stored procedure used to copy information from the previous submission forward.

EV-3504 – SUBMISSION NOT SAVING CORRECTLY

A valid CDC submission file was created and sent, and the Form DesignEHR message said it was submitted successfully but the CDC record was missing values in the database. The following updates were made to correct this issue.

- The *ReadyForSubmission* field value now changes from 1 to 0 when the CDC has been successfully validated and submitted.
- Increased the *PAOriginatorId* field from response to 55
- Added an *Error* field to `dbo.CDCPAErrorResponse` table to track the error that caused a failure

BUG FIXES

EV-4035 – SUBMISSION ISSUE WITH CLIENT UNDER 5 YEARS OLD

An issue was reported where the validation request submitted to the state for a Client under 5 years old was returned with the message that *00* must be reported for clients under 5 years old even though this was the value saved in the database for the client. The cause was due to the Education and Inschool values being pulled incorrectly. This has been corrected and now the submission pulls the Education value from the `dbo.clientDataCore.CurrentOrHighestGrade` field and the Inschool value from the `dbo.clientDataCore.AttendedSchoolLast90Days` field.