# Payer Data Exchange

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## General Overview

The Payer Data Exchange will allow for exposing some public facing access points that will allow for querying and displaying of provider directory data in the system. This allows for applications /sites developed by third party developers to query basic information out of payer systems. Each PCE client must utilize the components available and referenced below to allow external sharing of provider directory data; information is not shared or accessible by default.

## Reasons to Implement

Per CMS, payer organizations must support the “Provider Directory” API. Enforcement of this requirement begins July 1, 2021.

https://www.cms.gov/Regulations-and-Guidance/Guidance/Interoperability/index#P_Directory

## Description of Functionality

Per CMS requirements, this API is provided using a PCE-hosted FHIR server. This FHIR server processes requests and queries the system for data, and then formats using the standard HL7 FHIR specifications.

The data from the system that is publicly exposed via the API is specified below.

## Providers

The provider directory in the system is made public and split into two main categories: organizations and locations. Per FHIR:

**An organization is a formal or informal grouping of people or organizations with a common purpose, such as a company, institution, corporation, community group, or healthcare practice.**

**A Location is the physical place where healthcare services are provided, practitioners are employed, organizations are based, etc. Locations can range in scope from a room in a building to a geographic region/area.**

The system will, by default, consider providers that are listed as vendors or affiliates in the system as organizations. All others are treated as locations.

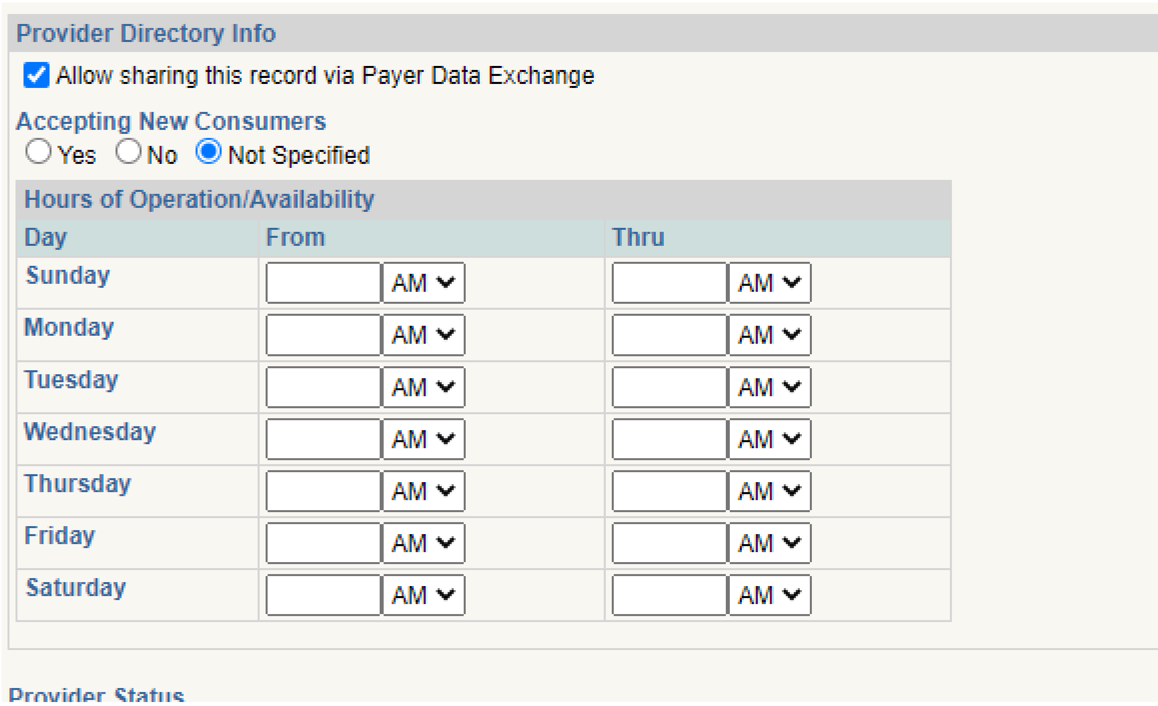
The below data points are exposed when the provider record is set to allow sharing (see checkbox on next page which is used to enable sharing):

1. Provider ID
2. Provider Name
3. Organization Type (organizations only)
4. NPI
5. Address
6. Contact info (phone, fax, email)
7. Parent vendor/affiliate (locations only)
8. Accepting new patients (via new component shown below, locations only)
9. Hours of Availability (via new component shown below, locations only)

The below data points can be enabled per system, as they are not standard data points. If the PCE client would like to share these optional elements, additional setup would need to be defined by the client and setup by the PCE Project Manager.

1. Location type: will likely be mapped from panel types on contracts (locations only): https://terminology.hl7.org/1.0.0//ValueSet-v3-ServiceDeliveryLocationRoleType.html
2. Accessibility: see below value set (locations only): http://hl7.org/fhir/us/davinci-pdex-plan-net/STU1/ValueSet-AccessibilityVS.html

PCE clients can then choose to enable sharing of a specific provider record via a new component added to the provider edit screen:




The new fields for “Accepting New Consumers” and “hours of operation” are optional, and will only be shared if values are entered.

## Services

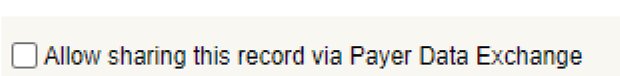
Service information will be provided via provider fee schedule records in the system. The below data points are exposed when the corresponding provider record is set to allow sharing:

1. Service name
2. Service description
3. Organization (reference to affiliate/vendor record)
4. Location (reference to provider record)
5. Service category: see below value set. Defaults to “Hospital” for hospitals, otherwise “Behavioral Health”: http://hl7.org/fhir/us/davinci-pdex-plan-net/STU1/ValueSet-HealthcareServiceCategoryVS.html
6. Accepting new patients (derived from location)
7. Available time (derived from location)

The below data points can be enabled per system, as they are not standard data points. If desired, additional setup would need to be defined by the client and setup by the PCE Project Manager.

8. Service type: likely to be mapped from “panel type” on contract. See full list of values in below link: http://hl7.org/fhir/us/davinci-pdex-plan-net/STU1/ValueSet-HealthcareServiceTypeVS.html
9. Appointment required

All active fee schedules that are for providers that are set to allow sharing and available via the API will be exposed. Fee schedules can then be enabled/disabled via a new checkbox on the fee schedule screen:



## Staff

Staff records, known as “practitioners” in the API, will have the following data points exposed when the staff record is set to allow sharing:

1. Staff name
2. Staff NPI
3. Staff phone/fax/email
4. Staff address
5. Staff certifications (taxonomy codes)

The below data points can be enabled per system, as they are not standard data points. If desired, additional setup would need to be defined by the client and setup by the PCE Project Manager.

6. Staff licenses: license types in system must be mapped to below: https://terminology.hl7.org/2.1.0/CodeSystem-v2-0360.html
7. Languages spoken

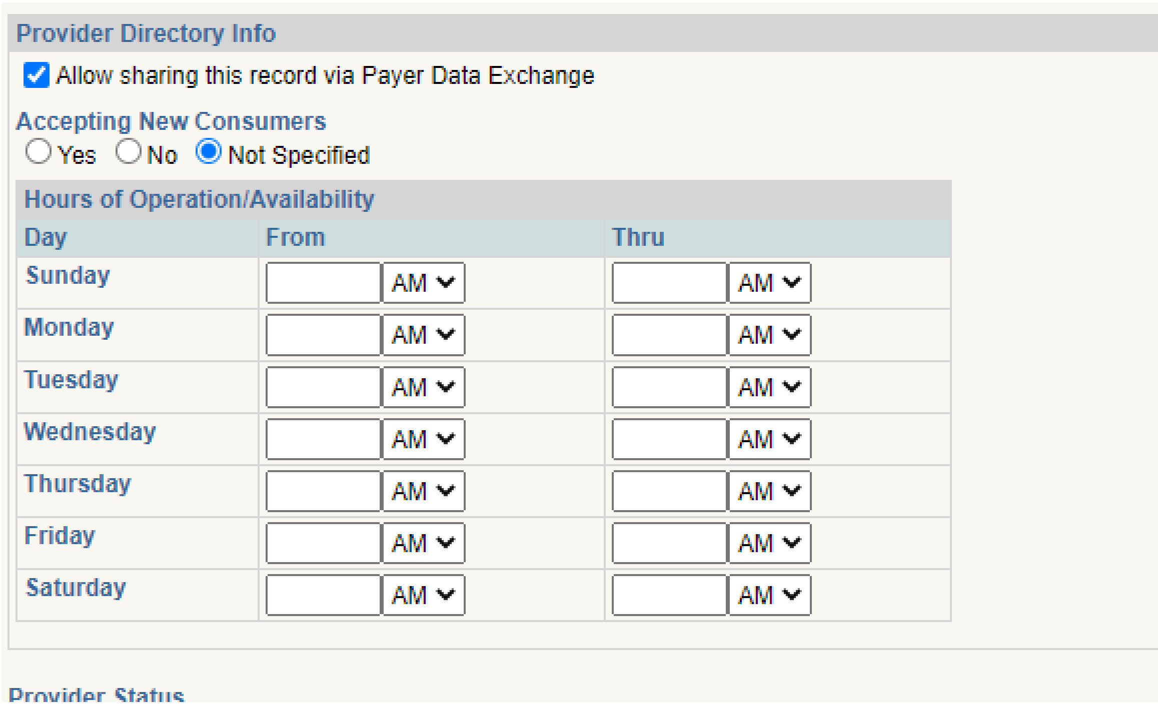
When enabling staff records, it is recommended that clinical staff are shared but all non-administrative, non-IT, and non-PCE staff would remain disabled exposed. Staff can then be enabled/disabled via a new checkbox on the staff edit screen:


## Staff Program / Location Assignments

Staff program and location assignments, known as “practitioner roles” in the API will have the following data points exposed when the staff record is set to allow sharing:

1. Staff (reference to staff record)
2. Organization (reference to affiliate / vendor record)
3. Assigned locations (references to provider records)
4. Accepting new patients (via new component shown below)
5. Available time (via new component shown below)

All program assignments for staff exposed via the API will be exposed.  They can then be enabled/disabled via a new component added to the provider edit screen:




The new fields for “Accepting New Consumers” and “hours of operation” are optional, and will only be shared if values are entered.

## Testing

As mentioned, the API is publically available via a FHIR server hosted by PCE. This means members of your agency can test the API once it is deployed, either to a production or test system, to see what data is being shared. The base URL of a request follows the below structure:

https://fhir.pcesecure.com:9443/PCEFhirServer/AGENCY CODE]/[RESOURCE TYPE]?[PARAMETER]=[VALUE]

Your “agency code” is the three letters that precedes many of your system’s table names and “AdminWoApp” in your URL. If you are unsure of this code, please contact your PCE project manager. Adding “Test” to this value will tell the FHIR server to target a test environment rather than production (i.e., “DWCTest” will target test or training while “DWC” will target production).

Below are the resource type endpoints, their corresponding data, and the parameters that can be searched on currently:

| Resource Type | PCE Data Source | Parameters |
|---|---|---|
| **Organization** | Providers | name: any string value<br>type: **ntwk** (network), **prvgrp** (provider group), **fac** (facility), **payer** (payer) |
| **Location** | Providers | name: any string value |
| **Practitioner** | Staff | name: any string value |
| **PractitionerRole** | Staff Provider Assignment | name: any string value |
| **HealthcareService** | Provider fee schedules | name: any string value |

# Agency Level of Effort

This is an estimate of the agency's level of effort to guide decision-making when determining if this feature should be implemented within your PCE system.

Low: Implementation will have little to no impact on staff and will require minimal staff training or communication.

Moderate: Requires staff training but aligns with current process workflows and the estimated burden on the staff is perceived to be minimal.

High: Requires new process workflows within the organization, re-allocating staff or responsibilities, and/or significant staff training.

## Project Management Level of Effort

Project Management refers to level of engagement within the agency needed to implement this feature, such as creating a team, designing workflows, documents, communication efforts and development of Staff training.

Estimated Level of Effort for Project Management – **Low**

## Deployment/Implementation Level of Effort

Deployment/Implementation refers to staff training on workflow (new processes and/or changes in process), and initial and on-going support for the module.

Estimated Level of Effort for Deployment/Implementation – **Low**

# Agency Decision Points/Responsibilities

The following decision points are required for implementation of this feature. Common implementations or approaches have been provided as a resource.

| Implementation Item | Common Implementation |
|---|---|
| **Exposed providers** | **All exposed** |
| **Exposed services/fee schedules** | **All exposed (that are part of exposed providers)** |
| **Exposed staff** | **All non-administrative, non-IT, non-PCE** |
| **Exposed staff assignments** | **All for exposed staff** |
| **Additional provider data elements** | **Disabled** |
| **Additional service/fee schedule data elements** | **Disabled** |
| **Additional staff data elements** | **Disabled** |

# Revision History

| Date | Author | Description |
|---|---|---|
| 6/14/2021 | David Rushdoony | Initial Version |
| 6/22/2021 | David Rushdoony | Added new in-system components, other updates |