

# PacePlus Health IT System

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ONC §170.315(b)(10)  
Electronic Health Information (EHI) Export Capability Overview

Vendor	PacePlus
System	PacePlus FHIR API
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Prepared For	ONC Certification Evidence Package

## 1. Introduction

### 1.1 Purpose

This document describes the Electronic Health Information (EHI) export capability implemented by the PacePlus FHIR API in compliance with ONC certification criterion §170.315(b)(10). The functionality allows healthcare organizations to export all electronic health information maintained by the system for either a single patient or the entire patient population in an electronic and computable format without requiring developer intervention.

### 1.2 Regulatory Background

Under the 21st Century Cures Act, certified Health IT developers must provide functionality allowing healthcare organizations to export electronic health information that is part of a Designated Record Set (DRS). EHI includes electronic protected health information (ePHI) defined under 45 CFR 164.501, excluding psychotherapy notes and information compiled in anticipation of legal proceedings.

## 2. Implementation Overview

The PacePlus system implements EHI export as a secure REST API service that extracts data from authoritative clinical and administrative tables within the PacePlus database. Exported data is converted into structured JSON datasets and packaged into a ZIP archive containing metadata and dataset files.

### 2.1 Key Characteristics

Architecture	Non-FHIR REST export service
Output Format	ZIP archive containing JSON datasets
Completeness Verification	Each dataset records dbCount and exportedCount
Security	OAuth2 / JWT authorization
Auditing	All exports recorded in audit database

## 3. Supported Export Types

### 3.1 Single- Patient Export

Endpoint	POST /ehi/patient/{pacId}/\$export
Method	POST
Authorization	Bearer token with system/EHIExport scope
Response	200 OK
Output	ZIP file containing JSON datasets

### 3.2 Population Export

Endpoint	POST /ehi/\$export
Method	POST
Authorization	Bearer token with system/EHIExport scope
Response	202 Accepted
Execution Mode	Asynchronous background job
Status Polling	GET /ehi/audits/{auditId}

### 4. Request Parameters

Parameter	Type	Description
paceId	Integer	Patient identifier for single-patient export
includeDeleted	Boolean	Includes soft-deleted rows when true
sinceUtc	DateTime	Optional temporal filter for updated records

### 5. Response Codes

#### 5.1 Single- Patient Export

200	Export completed successfully
400	Invalid request parameters
401	Unauthorized
403	Missing required scope
413	Export exceeds size limits
504	Export exceeded timeout

#### 5.2 Population Export

202	Export job accepted
400	sinceUtc parameter required
401	Unauthorized
403	Population export disabled or scope missing

## 6. Export Artifact Structure

The generated export archive follows a consistent structure where each dataset is represented as an individual JSON file and accompanied by a manifest file describing metadata and completeness information.

```
ehi-export-patient-{paceId}-{timestamp}.zip
```

```
|
|— manifest.json
|— intakes.json
|— referrals.json
|— insurance-coverage.json
|— annual-assessments.json
|— service-plans.json
|— progress-notes.json
|— crisis-progress-notes.json
|— personal-progress-notes.json
```

## 7. Sensitive Data Policy

Data Element	Policy
SSN	Excluded from all exports
RowVersion	Technical metadata excluded
Timestamp / ConcurrencyStamp	Technical metadata excluded

## 8. Operational Guardrails

Guardrail	Default Limit
Max rows per dataset	200,000
Max total rows	800,000
Max ZIP size	500 MB
Max execution time	60 minutes
Background job timeout	6 hours