

Enhanced Distribution of Clinical Report Data

As hospital sites across Vancouver Coastal Health (VCH), Providence Health Care (PHC), and the Provincial Health Services Authority (PHSA) go-live with Clinical and Systems Transformation (CST)/Cerner, the reports you receive will look different.

Your Electronic Medical Record (EMR) vendor is currently sending you what we refer to as *simple* reports; all clinical data is provided in a text blob, which can't be used by your EMR. With CST/Cerner, your EMR vendor will have the opportunity to consume *enhanced* reports, which contain new Discrete Data elements.

The information below details what's changing, including the types of Discrete Data available in both simple and enhanced reports.

The Benefits of Discrete Data

Discrete Data is searchable data, which enables you to find the information you need quicker, see more trend values with greater ease, and trigger automated workflows. *Note that Discrete Data is only available via your EMR (i.e. not via Launchpad or fax).*

Discrete Data:

- Enables your EMR to create a flag when your patient has seen a specialist or has passed away.
- Enables you to see trends or changes across previous consults that can support decisions about prescribing medications to improve mortality/morbidity in patients (e.g. heart failure patients); tracking the progression of chronic disease and supporting management strategies; and the timely follow-up or referral to specialists.

Clinical Documentation

Current State: 25 clinical document types are distributed via Excelleris from hospital sites across VCH, PHC, and PHSA.

Future State: 300+ clinical documents types will be distributed from Lions Gate (LGH) and Squamish General (SGH) hospitals once they are live with the new CST clinical information system (April 28th, 2018), with the narrative portion of the report in PDF format. Please note that *Note Types* have been subcategorized by specialty to better support you in identifying and categorizing the reports you receive.

| Clinical Documentation Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|---|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| 300+ Report Types Coded in LOINC ¹ | Yes | Yes |

¹LOINC is an international standard that VCH is using to identify the type of electronic reports (ie: Cardiology Report)

Cardiology Reports

Current State: Findings for Cardiology reports are being distributed via fax or mail from hospital sites across VCH, PHC, and PHSA. Images are not included.

Future State: Findings for the following Cardiology report types will be distributed from LGH and SGH once they are live with the new CST clinical information system (April 28th, 2018), with the narrative portion of the report in PDF format as well as a number of discrete clinical values. Images will not be included; however, wave forms will be included in PDF format for Echocardiograms and ECGs.

Echocardiograms Reports

| Echocardiogram Report Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|--|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| Report Type Coded in LOINC | Yes | Yes |
| Left Ventricular Ejection Fraction | No | Yes |
| Mitral, Aortic, Tricuspid and Pulmonary Valve Descriptions | No | Yes |
| Degree of Regurgitation and Valvular Stenosis | No | Yes |
| Description of Shunts | No | Yes |

ECG Reports

| ECG Report Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|--|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| Report Type Coded in LOINC | Yes | Yes |
| Heart Rate | No | Yes |
| PR Interval | No | Yes |
| QRS Duration | No | Yes |
| QT/QTc Interval | No | Yes |
| P, R, and T Wave Axis | No | Yes |

Stress Test Reports

| Stress Test Report Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|---|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| Report Type Coded in LOINC | Yes | Yes |
| Mets and Exercise Time | No | Yes |

Holter Monitor Reports

| Holter Monitor Report Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|--|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| Report Type Coded in LOINC | Yes | Yes |

Medical Imaging Reports

Current State: Findings for Medical Imaging reports are being distributed via fax or mail from all hospital sites across VCH, PHC, and PHSA. Images are not included.

Future State: Findings for the following Medical Imaging report types will be distributed in plain text from LGH and SGH once they are live with the new CST clinical information system (April 28th, 2018). Images are not included.

- Bone Density Scan, CT Scan, Echocardiography, Interventional Radiology, MRI, Nuclear Medicine, Ultrasound, Fluoroscopic X-ray report, Radiographic X-ray report, Positron Emission Tomography, Mammography.

| Medical Imaging Reports Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|--|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name, Gender) | Yes | Yes |
| Report Type Coded in LOINC | Yes | Yes |
| Procedures Coded in SNOMED ² : <ul style="list-style-type: none"> Procedure Code Modality Body Structure Examined Laterality Use of Contrast Agent | No | Yes |

Clinical Notifications

Current State: *Admission* and *Death Notifications* are sent electronically via Excelleris from LGH, with report narratives sent in text format. The *Admission Notification* includes the *Admission Reason* in the narrative.

Future State: No change. Only LGH will send notifications. Notifications will not be sent from SGH.

| Clinical Notifications Discrete Data available from Health Authority | Received at EMR: Simple Report | Received at EMR: Enhanced Report |
|---|-----------------------------------|-------------------------------------|
| Patient Information (PHN, DOB, Last Name, First Name) | Yes | Yes |
| Death Notifier | No | Yes |

² SNOMED is an international standard that VCH is using to express clinical healthcare terminology (ie: MRI of the head)

Additional Resources and Support

To register/update your delivery preference with Excelleris, please contact Excelleris Support via email at support@excelleris.com or by phone at 1-866-728-4777.

For more information about clinical reports distribution to physicians in private practice, please visit the CST website [here](#) and check out our frequently asked questions.