

4. Appendix

Appendix 1. Available data

The following is a list of available data elements. When submitting your algorithm a data model will be provided to ensure compatibility of your algorithm with the dataset. The information provided in this section is for informational purposes only, and should not be used to ensure technical compatibility of your algorithm with Dandelion’s infrastructure.

Category	Data	Format
Demographics	Age	In years
	Self-reported sex	String value of “Male”, “Female”, or “Other”
	Race	US Census categories: <ul style="list-style-type: none"> • White • Black or African American • Asian • Native Hawaiian or Other Pacific Islander • American Indian or Alaska Native • Other Race • Multiple • Unknown/Declined
	Ethnicity	US Census categories: <ul style="list-style-type: none"> • Hispanic • Non-Hispanic or Non-Latino • Multiple • Unknown/Declined
Claims & Clinical data	Diagnosis	ICD-10
	Procedures	CPT-4/HCPCS, ICD-10-PCS
	Height	In centimeters (cm)
	Weight	In kilograms (kg)
	Labs	See Appendix 8 for a list of available labs
	Medication orders (inpatient and outpatient)	Each order contains (non-exhaustive list): Drug name, RxNorm mapping, drug class, ATC class, order date

12-lead ECG	Raw waveforms	Utilities will be provided to extract the waveform data (in millivolts) as a numpy array with samples stored row-wise and leads stored column-wise. For example, a 5000 sample 12-lead ECG with 12 leads would have shape 5000x12. Although most ECGs are 10 seconds in length, this does vary. As a result, the length of the ECG is variable, i.e. the algorithm must be able to handle numpy arrays with a varying number of rows. It must also appropriately handle ECGs of varying sampling frequencies.
	ECG details	e.g., study indication, date, hospital, setting, machine
	Cardiologist interpretation	Structured string (see full list in Appendix 2)
	Machine outputs	e.g., vital signs, QT interval, and other machine-derived measurements
Echocardiogram	Echo details	e.g., study indication, date, hospital, echo title (e.g., “Transthoracic Echocardiogram”, “Stress Echocardiogram”), echo subtitle (e.g., “M-mode, complete 2D, and complete spectral Doppler”)
	Echo measurements	See full list in Appendix 3
Chest CT	Raw image	Utilities will be provided to extract the pixel image as a numpy array with width in the depth in the first dimension, width in the second dimension, and height in the third dimension. For example, a 144 slice CT scan of size 3000x2000 would be presented as a numpy array of size 144x3000x2000.
	Study metadata (e.g. DICOM attributes)	See Appendix 4 Metadata will be available as a pydicom Dataset object. Public attributes will be accessible. Deidentified attributes will have the text “OMITTED”. A subset of DICOM tags available in the images which may be used in your algorithm are provided in the below table. To verify the existence of other attributes, please contact us.
	Structured findings extracted from radiologist report	e.g., LUNG-RADS, etc

Take me back to the [Inclusion and exclusion criteria section](#).

Appendix 2. 12-lead ECG - Eligibility criteria

Cardiologist interpretation labels

Below are the structured labels for the cardiologist interpretation. Each label is paired with a label type capturing the context of the mentioned label in a free-text note.

If applicable, please select any labels that you would like to include or exclude from your baseline ECGs (e.g., **Exclude** ECGs with 'arm lead reversal').

Filter	Label	SNOMED code
NA ▾	1st degree av block	270492004
NA ▾	2nd degree av block	195042002
NA ▾	2nd degree av block mobitz type 1	164905008
NA ▾	2nd degree av block mobitz type 2	28189009
NA ▾	aberrant premature complexes	251167004
NA ▾	abnormal ecg	102594003
NA ▾	abnormal qrs-t angle	N/A
NA ▾	accelerated junctional rhythm	426664006
NA ▾	acute myocardial infarction	57054005
NA ▾	anterior ischemia	426434006
NA ▾	anterior myocardial infarction	54329005
NA ▾	arm lead reversal	251139008
NA ▾	atrial bigeminy	251173003
NA ▾	atrial fibrillation	164889003
NA ▾	atrial flutter	164890007
NA ▾	atrial pacing pattern	251268003
NA ▾	atrial tachycardia	713422000
NA ▾	atrioventricular block	233917008
NA ▾	atrioventricular block - 2:1	164903001
NA ▾	atrioventricular block - 3:1	164904007
NA ▾	atrioventricular block - 4:1	N/A
NA ▾	bifascicular block	445481009
NA ▾	brugada	1204168008

NA ▾	chronic myocardial ischemia	413844008
NA ▾	complete heart block	27885002
NA ▾	digitalis ecg pattern	251137005
NA ▾	drug effect	N/A
NA ▾	early repolarization	428417006
NA ▾	ectopic atrial rhythm	29320008
NA ▾	electrical alternation of heart	423863005
NA ▾	fusion beats	13640000
NA ▾	hyperkalemia	14140009
NA ▾	hypertrophic cardiomyopathy	233873004
NA ▾	hypothermia	386689009
NA ▾	idioventricular rhythm	49260003
NA ▾	incomplete left bundle branch block	251120003
NA ▾	incomplete right bundle branch block	713426002
NA ▾	indeterminate cardiac axis	251200008
NA ▾	inferior ischemia	425419005
NA ▾	inferior myocardial infarction	7326005
NA ▾	junctional bradycardia	251162005
NA ▾	junctional escape beats	426995002
NA ▾	junctional rhythm	426307007
NA ▾	junctional tachycardia	426648003
NA ▾	juvenile t wave pattern	27639009
NA ▾	lateral ischemia	425623009
NA ▾	lateral myocardial infarction	164871004
NA ▾	left anterior fascicular block	445118002
NA ▾	left atrial abnormality	253352002
NA ▾	left atrial enlargement	67741000119109
NA ▾	left axis deviation	39732003
NA ▾	left bundle branch block	164909002
NA ▾	left posterior fascicular block	445211001

NA ▾	left ventricular hypertrophy	164873001
NA ▾	left ventricular strain	370365005
NA ▾	low qrs voltages	251146004
NA ▾	lvad present	360066001
NA ▾	metabolic effect	N/A
NA ▾	multifocal atrial tachycardia	713423005
NA ▾	myocardial disease	N/A
NA ▾	myocardial infarction	164865005
NA ▾	myocardial ischemia	164861001
NA ▾	myocarditis	50920009
NA ▾	nonspecific intraventricular conduction disorder	698252002
NA ▾	nonspecific st t abnormality	428750005
NA ▾	normal ecg	164854000
NA ▾	p wave axis finding	366169002
NA ▾	pacemaker failure to capture	234218004
NA ▾	pacemaker present	441509002
NA ▾	pacing rhythm	10370003
NA ▾	paroxysmal atrial fibrillation	282825002
NA ▾	paroxysmal atrial tachycardia	164891006
NA ▾	paroxysmal supraventricular tachycardia	67198005
NA ▾	paroxysmal ventricular tachycardia	425856008
NA ▾	pediatric	N/A
NA ▾	pericardial effusion	373945007
NA ▾	pericarditis	15555002
NA ▾	poor ecg quality	251140005
NA ▾	posterior infarction	73999000
NA ▾	pr depression	251245007
NA ▾	premature atrial contraction	284470004
NA ▾	premature ventricular contractions	427172004
NA ▾	prolonged pr interval	164947007

NA ▾	prolonged qt interval	111975006
NA ▾	pulmonary disease	N/A
NA ▾	r wave abnormal (poor r wave progression)	164921003
NA ▾	r wave finding (early r wave transition)	365413008
NA ▾	rapid ventricular response	N/A
NA ▾	right atrial abnormality	253339007
NA ▾	right atrial enlargement	67751000119106
NA ▾	right axis deviation	47665007
NA ▾	right bundle branch block	59118001
NA ▾	right ventricular hypertrophy	89792004
NA ▾	right ventricular strain	N/A
NA ▾	s1q3t3 pattern	N/A
NA ▾	septal infarction	1077002
NA ▾	septal ischemia	35481000087104
NA ▾	shortened pr interval	49578007
NA ▾	sinus arrest (sinus pause)	5609005
NA ▾	sinus arrhythmia	427393009
NA ▾	sinus bradycardia	426177001
NA ▾	sinus node dysfunction	60423000
NA ▾	sinus rhythm	426783006
NA ▾	sinus tachycardia	427084000
NA ▾	slow ventricular response	251161003
NA ▾	st depression	429622005
NA ▾	st elevation	164931005
NA ▾	st interval abnormal	164930006
NA ▾	supraventricular premature beats	63593006
NA ▾	supraventricular tachycardia	426761007
NA ▾	t wave abnormal	164934002
NA ▾	t wave inversion	59931005
NA ▾	tall t wave	251237002

NA ▾	torsades de pointes	426882006
NA ▾	trifascicular block	445309007
NA ▾	tu fusion	N/A
NA ▾	u wave abnormal	164937009
NA ▾	undetermined rhythm	N/A
NA ▾	ventricular bigeminy	11157007
NA ▾	ventricular escape beat	75532003
NA ▾	ventricular fibrillation	164896001
NA ▾	ventricular pacing pattern	251266004
NA ▾	ventricular pre excitation	195060002
NA ▾	ventricular tachycardia	164895002
NA ▾	ventricular trigeminy	251180001
NA ▾	wandering atrial pacemaker	195101003
NA ▾	wide qrs complex	4321877
NA ▾	wide qrs tachycardia	N/A
NA ▾	wolff parkinson white pattern	74390002

Take me back to the [Inclusion and exclusion criteria section](#).

Appendix 3. Echocardiogram – Eligibility criteria

A subset of echocardiogram derived values are available. To verify the existence of other measures, please contact us.

Include	Category	Measure
<input type="checkbox"/>	Aorta	Aortic arch diameter
<input type="checkbox"/>	Aorta	Aortic root diameter, ED
<input type="checkbox"/>	Aorta	Ascending aorta AP diameter indexed to body surface area (AAo AP diam/BSA)
<input type="checkbox"/>	Aorta	Ascending aorta diameter
<input type="checkbox"/>	Aorta	Ascending aorta diameter indexed to body surface area (AAo diam/BSA)
<input type="checkbox"/>	Aortic valve	Aortic valve maximum velocity (AVA, Vmax)
<input type="checkbox"/>	Aortic valve	Aortic valve velocity time integral (VTI)
<input type="checkbox"/>	Aortic valve	Aortic valve dimensionless index (DI)
<input type="checkbox"/>	Aortic valve	Aortic valve mean gradient, S
<input type="checkbox"/>	Aortic valve	Aortic valve peak gradient, S
<input type="checkbox"/>	Aortic valve	Aortic valve peak velocity, S
<input type="checkbox"/>	Left atrium	Left atrial volume indexed to body surface area (Vol/BSA, ES, A/L)
<input type="checkbox"/>	Left ventricle	Left ventricle end-diastolic volume (EDV), 2-p
<input type="checkbox"/>	Left ventricle	Left ventricle ejection fraction (EF), A4C, 1-p
<input type="checkbox"/>	Left ventricle	Left ventricle ejection fraction (EF), 2-p
<input type="checkbox"/>	Left ventricle	Left ventricular outflow tract (LVOT) diameter
<input type="checkbox"/>	Left ventricle	Left ventricular outflow tract (LVOT) peak velocity, S
<input type="checkbox"/>	Mitral valve	Mitral valve A wave duration
<input type="checkbox"/>	Mitral valve	Mitral valve deceleration time

<input type="checkbox"/>	Mitral valve	Mitral valve mean gradient, D
<input type="checkbox"/>	Mitral valve	Mitral valve area, pressure half-time (MVA, PHT)
<input type="checkbox"/>	Mitral valve	Mitral valve peak E/A ratio
<input type="checkbox"/>	Mitral valve	Mitral valve pressure half-time (PHT)
<input type="checkbox"/>	Pericardial effusion	Pericardial effusion
<input type="checkbox"/>	Pulmonary artery	Pulmonary artery pressure, S
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins A wave reversal duration
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity SD ratio
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity, D
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity, v2, S
<input type="checkbox"/>	Pulmonic valve	Pulmonic valve peak gradient, S
<input type="checkbox"/>	Pulmonic valve	Pulmonic valve peak velocity, S
<input type="checkbox"/>	Right atrium	Right atrium estimated right atrial pressure (RAP)
<input type="checkbox"/>	Right ventricle	Right ventricle tricuspid annular plane systolic excursion (TAPSE), MM
<input type="checkbox"/>	Ventricular septum	Interventricular septum end-diastolic thickness
<input type="checkbox"/>	Systemic veins	Inferior vena cava diameter
<input type="checkbox"/>	Tricuspid valve	Tricuspid valve peak RV-RA pressure gradient (RV-RA)
<input type="checkbox"/>	Tricuspid valve	Tricuspid valve regurgitation peak velocity (TRV)

Take me back to the [Inclusion and exclusion criteria section](#).

Appendix 4. Chest CT - Eligibility criteria

A subset of DICOM tags available in the images which may be used in your algorithm are provided in the below table. To verify the existence of other attributes, please contact us.

DICOM Tag	Description
(0018, 0015)	Body Part Examined
(0028, 0011)	Columns
(0040, 030e)	Exposure Dose Sequence
(0018, 1150)	Exposure Time
(0018, 1152)	Exposure
(0020, 0037)	Image Orientation (Patient)
(0020, 0032)	Image Position (Patient)
(0008, 0008)	Image Type
(0008, 0060)	Modality
(0020, 0020)	Patient Orientation
(0018, 5100)	Patient Position
(0028, 0004)	Photometric Interpretation
(0028, 0103)	Pixel Representation
(0028, 0030)	Pixel Spacing
(0028, 0006)	Planar Configuration
(0028, 0010)	Rows
(0020, 1041)	Slice Location
(0018, 0050)	Slice Thickness

Take me back to the [Inclusion and exclusion criteria section](#).

Appendix 5. 12-lead ECG - Outcome label

Structured labels derived from cardiologist interpretations of the ECG are available for use as an outcome of interest. Each label is paired with a label type capturing the context of the mentioned label in a free-text cardiologist report.

Instructions: Please select the labels to include in the outcome set. If you have specified a binary problem, these labels will be combined into a single binary label. If you have selected a multi-class or multi-label problem, each label will be treated as an independent class. If you require classes to be merged together, please contact us.

Include	Outcome
<input type="checkbox"/>	1st degree av block
<input type="checkbox"/>	2nd degree av block
<input type="checkbox"/>	2nd degree av block mobitz type 1
<input type="checkbox"/>	2nd degree av block mobitz type 2
<input type="checkbox"/>	aberrant premature complexes
<input type="checkbox"/>	abnormal ecg
<input type="checkbox"/>	abnormal qrs-t angle
<input type="checkbox"/>	accelerated junctional rhythm
<input type="checkbox"/>	acute myocardial infarction
<input type="checkbox"/>	anterior ischemia
<input type="checkbox"/>	anterior myocardial infarction
<input type="checkbox"/>	arm lead reversal
<input type="checkbox"/>	atrial bigeminy
<input type="checkbox"/>	atrial fibrillation
<input type="checkbox"/>	atrial flutter
<input type="checkbox"/>	atrial pacing pattern
<input type="checkbox"/>	atrial tachycardia

<input type="checkbox"/>	atrioventricular block
<input type="checkbox"/>	atrioventricular block - 2:1
<input type="checkbox"/>	atrioventricular block - 3:1
<input type="checkbox"/>	atrioventricular block - 4:1
<input type="checkbox"/>	bifascicular block
<input type="checkbox"/>	brugada
<input type="checkbox"/>	chronic myocardial ischemia
<input type="checkbox"/>	complete heart block
<input type="checkbox"/>	digitalis ecg pattern
<input type="checkbox"/>	drug effect
<input type="checkbox"/>	early repolarization
<input type="checkbox"/>	ectopic atrial rhythm
<input type="checkbox"/>	electrical alternation of heart
<input type="checkbox"/>	fusion beats
<input type="checkbox"/>	hyperkalemia
<input type="checkbox"/>	hypertrophic cardiomyopathy
<input type="checkbox"/>	hypothermia
<input type="checkbox"/>	idioventricular rhythm
<input type="checkbox"/>	incomplete left bundle branch block
<input type="checkbox"/>	incomplete right bundle branch block
<input type="checkbox"/>	indeterminate cardiac axis
<input type="checkbox"/>	inferior ischemia
<input type="checkbox"/>	inferior myocardial infarction

<input type="checkbox"/>	junctional bradycardia
<input type="checkbox"/>	junctional escape beats
<input type="checkbox"/>	junctional rhythm
<input type="checkbox"/>	junctional tachycardia
<input type="checkbox"/>	juvenile t wave pattern
<input type="checkbox"/>	lateral ischemia
<input type="checkbox"/>	lateral myocardial infarction
<input type="checkbox"/>	left anterior fascicular block
<input type="checkbox"/>	left atrial abnormality
<input type="checkbox"/>	left atrial enlargement
<input type="checkbox"/>	left axis deviation
<input type="checkbox"/>	left bundle branch block
<input type="checkbox"/>	left posterior fascicular block
<input type="checkbox"/>	left ventricular hypertrophy
<input type="checkbox"/>	left ventricular strain
<input type="checkbox"/>	low qrs voltages
<input type="checkbox"/>	lvad present
<input type="checkbox"/>	metabolic effect
<input type="checkbox"/>	multifocal atrial tachycardia
<input type="checkbox"/>	myocardial disease
<input type="checkbox"/>	myocardial infarction
<input type="checkbox"/>	myocardial ischemia
<input type="checkbox"/>	myocarditis

<input type="checkbox"/>	nonspecific intraventricular conduction disorder
<input type="checkbox"/>	nonspecific st t abnormality
<input type="checkbox"/>	normal ecg
<input type="checkbox"/>	p wave axis finding
<input type="checkbox"/>	pacemaker failure to capture
<input type="checkbox"/>	pacemaker present
<input type="checkbox"/>	pacing rhythm
<input type="checkbox"/>	paroxysmal atrial fibrillation
<input type="checkbox"/>	paroxysmal atrial tachycardia
<input type="checkbox"/>	paroxysmal supraventricular tachycardia
<input type="checkbox"/>	paroxysmal ventricular tachycardia
<input type="checkbox"/>	pediatric
<input type="checkbox"/>	pericardial effusion
<input type="checkbox"/>	pericarditis
<input type="checkbox"/>	poor ecg quality
<input type="checkbox"/>	posterior infarction
<input type="checkbox"/>	pr depression
<input type="checkbox"/>	premature atrial contraction
<input type="checkbox"/>	premature ventricular contractions
<input type="checkbox"/>	prolonged pr interval
<input type="checkbox"/>	prolonged qt interval
<input type="checkbox"/>	pulmonary disease
<input type="checkbox"/>	r wave abnormal (poor r wave progression)

<input type="checkbox"/>	r wave finding (early r wave transition)
<input type="checkbox"/>	rapid ventricular response
<input type="checkbox"/>	right atrial abnormality
<input type="checkbox"/>	right atrial enlargement
<input type="checkbox"/>	right axis deviation
<input type="checkbox"/>	right bundle branch block
<input type="checkbox"/>	right ventricular hypertrophy
<input type="checkbox"/>	right ventricular strain
<input type="checkbox"/>	s1q3t3 pattern
<input type="checkbox"/>	septal infarction
<input type="checkbox"/>	septal ischemia
<input type="checkbox"/>	shortened pr interval
<input type="checkbox"/>	sinus arrest (sinus pause)
<input type="checkbox"/>	sinus arrhythmia
<input type="checkbox"/>	sinus bradycardia
<input type="checkbox"/>	sinus node dysfunction
<input type="checkbox"/>	sinus rhythm
<input type="checkbox"/>	sinus tachycardia
<input type="checkbox"/>	slow ventricular response
<input type="checkbox"/>	st depression
<input type="checkbox"/>	st elevation
<input type="checkbox"/>	st interval abnormal
<input type="checkbox"/>	supraventricular premature beats

<input type="checkbox"/>	supraventricular tachycardia
<input type="checkbox"/>	t wave abnormal
<input type="checkbox"/>	t wave inversion
<input type="checkbox"/>	tall t wave
<input type="checkbox"/>	torsades de pointes
<input type="checkbox"/>	trifascicular block
<input type="checkbox"/>	tu fusion
<input type="checkbox"/>	u wave abnormal
<input type="checkbox"/>	undetermined rhythm
<input type="checkbox"/>	ventricular bigeminy
<input type="checkbox"/>	ventricular escape beat
<input type="checkbox"/>	ventricular fibrillation
<input type="checkbox"/>	ventricular pacing pattern
<input type="checkbox"/>	ventricular pre excitation
<input type="checkbox"/>	ventricular tachycardia
<input type="checkbox"/>	ventricular trigeminy
<input type="checkbox"/>	wandering atrial pacemaker
<input type="checkbox"/>	wide qrs complex
<input type="checkbox"/>	wide qrs tachycardia
<input type="checkbox"/>	wolff parkinson white pattern

Take me back to the [Outcome of interest section](#).

Appendix 6. Echocardiogram – Outcome label

Structured measurements derived from the echocardiogram are available for use as an outcome of interest.

Instructions: Please select the measurement to use as an outcome. Select only one measurement. Please contact us if you would like to inquire about other measures.

Include	Category	Measure
<input type="checkbox"/>	Aorta	Aortic arch diameter
<input type="checkbox"/>	Aorta	Aortic root diameter, ED
<input type="checkbox"/>	Aorta	Ascending aorta AP diameter indexed to body surface area (AAo AP diam/BSA)
<input type="checkbox"/>	Aorta	Ascending aorta diameter
<input type="checkbox"/>	Aorta	Ascending aorta diameter indexed to body surface area (AAo diam/BSA)
<input type="checkbox"/>	Aortic valve	Aortic valve maximum velocity (AVA, Vmax)
<input type="checkbox"/>	Aortic valve	Aortic valve velocity time integral (VTI)
<input type="checkbox"/>	Aortic valve	Aortic valve dimensionless index (DI)
<input type="checkbox"/>	Aortic valve	Aortic valve mean gradient, S
<input type="checkbox"/>	Aortic valve	Aortic valve peak gradient, S
<input type="checkbox"/>	Aortic valve	Aortic valve peak velocity, S
<input type="checkbox"/>	Left atrium	Left atrial volume indexed to body surface area (Vol/BSA, ES, A/L)
<input type="checkbox"/>	Left ventricle	Left ventricle end-diastolic volume (EDV), 2-p
<input type="checkbox"/>	Left ventricle	Left ventricle ejection fraction (EF), A4C, 1-p
<input type="checkbox"/>	Left ventricle	Left ventricle ejection fraction (EF), 2-p
<input type="checkbox"/>	Left ventricle	Left ventricular outflow tract (LVOT) diameter
<input type="checkbox"/>	Left ventricle	Left ventricular outflow tract (LVOT) peak velocity, S

<input type="checkbox"/>	Mitral valve	Mitral valve A wave duration
<input type="checkbox"/>	Mitral valve	Mitral valve deceleration time
<input type="checkbox"/>	Mitral valve	Mitral valve mean gradient, D
<input type="checkbox"/>	Mitral valve	Mitral valve area, pressure half-time (MVA, PHT)
<input type="checkbox"/>	Mitral valve	Mitral valve peak E/A ratio
<input type="checkbox"/>	Mitral valve	Mitral valve pressure half-time (PHT)
<input type="checkbox"/>	Pericardial effusion	Pericardial effusion
<input type="checkbox"/>	Pulmonary artery	Pulmonary artery pressure, S
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins A wave reversal duration
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity SD ratio
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity, D
<input type="checkbox"/>	Pulmonary veins	Pulmonary veins peak velocity, v2, S
<input type="checkbox"/>	Pulmonic valve	Pulmonic valve peak gradient, S
<input type="checkbox"/>	Pulmonic valve	Pulmonic valve peak velocity, S
<input type="checkbox"/>	Right atrium	Right atrium estimated right atrial pressure (RAP)
<input type="checkbox"/>	Right ventricle	Right ventricle tricuspid annular plane systolic excursion (TAPSE), MM
<input type="checkbox"/>	Ventricular septum	Interventricular septum end-diastolic thickness
<input type="checkbox"/>	Systemic veins	Inferior vena cava diameter
<input type="checkbox"/>	Tricuspid valve	Tricuspid valve peak RV-RA pressure gradient (RV-RA)
<input type="checkbox"/>	Tricuspid valve	Tricuspid valve regurgitation peak velocity (TRV)

Take me back to the [Outcome of interest section](#).

Appendix 7. Chest CT - Outcome label

Structured labels derived from chest CT reports are available for use as an outcome of interest. Each label is paired with a label type capturing the context of the mentioned label in a free-text report.

Instructions: Please select the labels to include in the outcome set. If you have specified a binary problem, these labels will be combined into a single binary label. If you have selected a multi-class or multi-label problem, each label will be treated as an independent class. If you require classes to be merged together, please contact us.

Include	Outcome	Include	Outcome
<input type="checkbox"/>	Pneumonia	<input type="checkbox"/>	Pulmonary hemorrhage
<input type="checkbox"/>	Pulmonary Nodule	<input type="checkbox"/>	Pulmonary contusion
<input type="checkbox"/>	Pneumothorax	<input type="checkbox"/>	Pleural mass
<input type="checkbox"/>	Hemothorax	<input type="checkbox"/>	Covid-19 infection
<input type="checkbox"/>	Lung cancer/malignant mass	<input type="checkbox"/>	Tuberculosis
<input type="checkbox"/>	Pulmonary embolism	<input type="checkbox"/>	Aortic dissection
<input type="checkbox"/>	Emphysema	<input type="checkbox"/>	Aortic aneurysm
<input type="checkbox"/>	COPD	<input type="checkbox"/>	Rib fracture
<input type="checkbox"/>	Interstitial lung disease	<input type="checkbox"/>	Spine fracture
<input type="checkbox"/>	Pulmonary fibrosis	<input type="checkbox"/>	1-year Mortality Risk
<input type="checkbox"/>	Pulmonary edema	<input type="checkbox"/>	Other: <i>please specify</i>

Take me back to the [Outcome of interest section](#).

Appendix 8. Available labs

Below is a non-exhaustive list of available labs. If a lab of interest is not listed here, please contact us and we will determine whether it can be made available.

Category	Lab
Complete Blood Count (CBC)	WBC RBC Hematocrit Hemoglobin Platelets ...
Comprehensive Metabolic Panel (CMP)	Sodium Potassium Calcium Chloride Creatinine Glucose Albumin Alkaline phosphatase (ALP) ALT AST Total bilirubin Total protein ...
Cardiac biomarkers	Troponin I Troponin T Troponin HS CK CK-MB BNP NT-proBNP
Other	HbA1c Magnesium Procalcitonin Lactic acid CRP D-dimer Digoxin level Ammonia Cholesterol, LDL, HDL, Triglycerides TSH Arterial blood gas (pH, pCO ₂ , pO ₂ , HCO ₃ , O ₂ Sat) ...