heartbytes

a **SIMON'S Heart** project

Data Dictionary

Patients Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
Mother's Information		
mothers_first_name	varchar	First Name
mothers_last_name	varchar	Last Name
mothers_phone_number	varchar	Phone Number
mothers_email	varchar	Email
mothers_relationship_to_child	varchar	Relationship to child
mothers_relationship_to_other	varchar	Relationship to child – Please Specify
mothers_status	varchar	Status
Father's Information		
fathers_first_name	varchar	First Name
fathers_last_name	varchar	Last Name
fathers_phone_number	varchar	Phone Number
fathers_email	varchar	Email
fathers_relationship_to_child	varchar	Relationship to child
fathers_relationship_to_other	varchar	Relationship to child – Please Specify
fathers_status	varchar	Status
Student Information		
first_name	varchar	First Name
last_name	varchar	Last Name
date_of_birth	date	Date of Birth
gender	varchar	Gender
race	varchar	Race

public_school	varchar	Current School

<u>Student Address</u>

address	varchar	Address
city	varchar	City
state	varchar	State
zip	varchar	Zip

<u>Sports History</u>

plays_sports	varchar	Does your child play sports?
sports_level	varchar	What level?
baseball	tinyint	Baseball
basketball	tinyint	Basketball
cheer	tinyint	Cheer
cross_country	tinyint	Cross Country
cycling	tinyint	Cycling
field_hockey	tinyint	Field Hockey
flag_football	tinyint	Flag Football
football	tinyint	Football
fencing	tinyint	Fencing
frisbee	tinyint	Frisbee
golf	tinyint	Golf
gymnastics	tinyint	Gymnastics
hockey	tinyint	Hockey
lacrosse	tinyint	Lacrosse
martial_arts	tinyint	Martial Arts
rowing	tinyint	Rowing
rugby	tinyint	Rugby

soccer	tinyint	Soccer
softball	tinyint	Softball
skiing	tinyint	Skiing
squash	tinyint	Squash
swimming_diving	tinyint	Swimming/Diving
tennis	tinyint	Tennis
track	tinyint	Track
volleyball	tinyint	Volleyball
water_polo	tinyint	Water Polo
wrestling	tinyint	Wrestling
activity_per_week	varchar	How much exercise and physical activity does your child get per week?

Past Medical History

asthma	tinyint	Asthma
anemia	tinyint	Anemia
sickle_cell_anemia	tinyint	Sickle Cell Anemia
diabetes	tinyint	Diabetes
kidney_disease	tinyint	Kidney Disease
hearing_problems	tinyint	Hearing Problems
high_blood_pressure	tinyint	High Blood Pressure
attention_deficit_hyperactivity_disorder_adhd	tinyint	Attention Deficit Hyperactivity Disorder (ADHD)
anxiety_or_depression	tinyint	Anxiety or Depression
none_of_these_apply_to_my_child	tinyint	None of these apply to my child
other_diagnosis	tinyint	Other
other_diagnosis_text	varchar	Other – Please Specify
taking_medications	varchar	Is your child currently taking

		medication (prescription or over-the-counter)
antihistamine	tinyint	Antihistamine
anti-depressant	tinyint	Anti-Depressant
antibiotic	tinyint	Antibiotics
sedatives	tinyint	Sedatives
other_medication	tinyint	Other
medications	text	Other – Please Specify
consumes_caffeinated_beverages	varchar	Does your child consume caffeinated beverages?
caffeinated_beverages_per_day	varchar	How many drinks per day on average?
soda	tinyint	Soda
energy_drinks	tinyint	Energy Drinks
tea	tinyint	Tea
coffee	tinyint	Coffee
sleep_apnea	tinyint	Sleep Apnea

Heart Health

chest_pains_during_exercise	varchar	Does your child get chest pains when he/she exercises?
passed_out_after_exercise	varchar	Has your child ever passed out during or immediately after exercise?
difficulty_breathing_during_exercise	varchar	Does your child have difficulty breathing during exercise?
easily_tired_during_exercise	varchar	Does your child get tired easily or extremely fatigued during exercise?
easily_tired_increased_recently	varchar	If the answer above is yes, has

		the tiredness or fatigue gotten worse recently?
heart_races_without_good_reason	varchar	Does your child's heart race (suddenly beat fast) without good reason?
has_child_been_diagnosed_with_heart_conditions		Has your child ever been diagnosed with any of the following heart-related conditions?
previous_high_blood_pressure	tinyint	High Blood Pressure
high_cholesterol	tinyint	High Cholesterol
kawasaki_disease	tinyint	Kawasaki Disease
heart_infection	tinyint	A Heart Infection
previous_heart_murmur_diagnosis	tinyint	A Heart Murmur
atrial_septal_defect	tinyint	Atrial Septal Defect (ASD)
ventricular_septaldefect	tinyint	Ventricular Septal Defect (VSD)
another_heart_defect	tinyint	Another Heart Defect
none_of_the_previous_diagnoses	tinyint	None of the Above
other_heart_diagnosis	tinyint	Other
other_heart_diagnosis_text	varchar	Other – Please Specify
test_ordered_for_heart	varchar	Has a doctor ever ordered a test for your child's heart? (for example, ECG/EKG, echocardiogram, stress test or holter monitor)
death_from_heart_problem_before_50	varchar	Has anyone in your family died from a heart problem before the age of 50?
experienced_sca_and_survived	varchar	Has anyone in your family experience SCA (sudden cardiac arrest) and survived?
any_other_health_info	varchar	Is there anything else you would

		like us to know about your child's health?
sca_survivor	varchar	Please indicate the family member that survived the sudden cardiac arrest
death_from_unknown_reason_before_50	varchar	Has anyone in your family died suddenly for an unknown reason before the age of 50 (including sudden infant death syndrome [SIDS], unexplained car accident or drowning)?
ever_seen_a_cardiologist	varchar	Has your child ever seen a cardiologist?
ever_had_heart_procedure_or_surgery	varchar	Has your child ever had a heart procedure or surgery?
seizure_like_symptoms_during_exercise	varchar	Has your child ever experienced seizure-like symptoms during exercise?

Family History

has_family_been_diagnosed_with_any_of_ following	tinyint	Has anyone in your family (living or deceased) been diagnosed with any of the following:
cardiomyopathy	tinyint	Cardiomyopathy
marfan_syndrome	tinyint	Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC)
atrial_fibrillation_before_the_age_of_40	tinyint	Atrial Fibrillation (before the age of 40)
long_qt_syndrome	tinyint	Long QT Syndrome
brugada_syndrome	tinyint	Brugada Syndrome
wolff_parkinson_white_syndrome	tinyint	Wolff-Parkinson White Syndrome
catecholaminergic_polymorphic_ventricular _tachycardia_cpvt	tinyint	Catecholaminergic-Polymorphic Ventricular Tachycardia (CPVT)

superventricular_tachycardia	tinyint	Superventricular Tachycardia
ventricular_tachycardia	tinyint	Ventricular Tachycardia
bradycardia	tinyint	Bradycardia
none_of_the_above	tinyint	None of the above
dont_know_family_history	tinyint	Don't Know Family History
diagnosed_family_member	varchar	If yes, what family member?
additional_family_member	varchar	If there is another family member that has been diagnosed with a condition above, please specify the second family member
ehlers_danlos_syndrome	tinyint	Ehlers-Danlos Syndrome

Physician Information

physician_name	varchar	Name of your child's pediatrician / physician?
name_of_practice	varchar	Name of practice
physician_phone_number	varchar	Phone Number
physician_address	varchar	Physician's Address
physician_city	varchar	City
physician_state	varchar	State
physician_zip_code	varchar	Zip Code
treated_for_asthma	varchar	

Vitals Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
right_arm_systolic	varchar	Blood Pressure (right arm)
right_arm_diastolic	varchar	Blood Pressure (right arm)
left_arm_systolic	varchar	Blood Pressure (left arm)
left_arm_diastolic	varchar	Blood Pressure (left arm)

height_feet	varchar	Height
height_inches	varchar	Height
weight	varchar	Weight
bmi	decimal	BMI
bsa	decimal	BSA

Murmur Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
murmur	varchar	Heart Murmur
murmur_description	text	Murmur Description
systolic	tinyint	Systolic
diastolic	tinyint	Diastolic
continuous	tinyint	Continuous
changes_with_valsalva	tinyint	Changes With Valsalva
systolic_loudness	int	Systolic Loudness
diastolic_loudness	int	Diastolic Loudness
continuous_loudness	int	Continuous Loudness
changes_with_valsalva_loudness	int	Changes with Valsalva Loudness

Electrocardiograms Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
status	varchar	Status
t_wave_inversion	tinyint	T Wave Inversion
st_segment_depression	tinyint	St Segment depression
pathologic_q_waves	tinyint	Pathologic Q Waves
complete_left_bundle_branch_block	tinyint	Complete Left Bundle Branch Block
intra_ventricular_conduction_delay	tinyint	Intra Ventricular Conduction Delay

left_axis_deviation	tinyint	Left Axis Deviation
left_atrial_enlargement	tinyint	Left Atrial Enlargement
right_ventricular_hypertrophy_pattern	tinyint	Right Ventricular Hypertrophy Pattern
mobitz_type_ii_2_degree_atrioventricular_block	tinyint	Mobitz Type II 2° Atrioventricular Block
three_degree_atrioventricular_block	tinyint	3° Atrioventricular Block
ventricular_pre_excitation	tinyint	Ventricular Pre Excitation
long_qt_interval	tinyint	Long QT Interval
short_qt_interval	tinyint	Short QT Interval
brugada_like_ecg_pattern	tinyint	Brugada-like ECG Pattern
profound_sinus_bradycardia	tinyint	Profound Sinus Bradycardia
atrial_tachyarrhythmias	tinyint	Atrial Tachyarrhythmias
premature_ventricular_contractions	tinyint	Premature Ventricular Contractions
ventricular_arrhythmias	tinyint	Ventricular Arrhythmias
nonspecific_st_twave_abnormalities	tinyint	Nonspecific ST T Wave Abnormalities
increased_ceptal_forces	tinyint	Increased Ceptal Forces
markedly_elevated_QRS_voltage	tinyint	Markedly Elevated QRS Voltage
arrhythmia	tinyint	Arrhythmia
PVCs	tinyint	PVCs

Echocardiograms Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
iv_septum	float	IV Septum
lv_end_diastolic_diam	float	LV end-diastolic diam
lv_posterior_wall	float	LV Posterior Wall

lv_end_systolic_diam	float	LV end-systolic diam
fractional_shortening	float	Fractional shortening
sinuses_of_valsalva	float	Sinuses of Valsalva
ascending_aorta	float	Ascending aorta
valves	varchar	Valves
pulmonary_pressure	varchar	Pulmonary Pressure
finding	varchar	Finding
finding_description	text	Finding Description

Mitral Valve

mitral_regurgitation	varchar	Regurgitation
mitral_stenosis	varchar	Stenosis

Aortic Valve

aortic_regurgitation	varchar	Regurgitation
aortic_stenosis	varchar	Stenosis
bicuspic	varchar	Bicuspic

Tricuspic Valve

tricuspic_regurgitation	varchar	Regurgitation

Pulmonic Valve

pulmonic_regurgitation	varchar	Regurgitation
pulmonic_stenosis	varchar	Stenosis
right_coronary_ostia	varchar	Right coronary ostia
left_coronary_ostia	varchar	Left coronary ostia
left_main_bifurcation	varchar	Left main bifurcation

Screening Report Table

VARIABLE_NAME	DATA_TYPE	LABEL_NAME
date	date	Date
no_further_action	tinyint	No further action is required
contact_cardiologist	tinyint	You should consult with a Pediatric Cardiologist to review the following
contact_cardiologist_about	varchar	
contact_pediatrician	tinyint	You should consult with your pediatrician about
hypertension	tinyint	Hypertension
obesity	tinyint	Obesity
lipid_screening	tinyint	Lipid Screening
chest_pain	tinyint	Chest Pain
other	tinyint	Other
other_text	varchar	
family_red_flags_considered	tinyint	Family Red Flags Considered
student_red_flags_considered	tinyint	Student Red Flags Considered

Updated August 21, 2018