Healthix Analytics: *Kawasaki Disease*

Healthix Analytics provides predictive risk scores, dashboards and reports to support population health management and readmission management. We can assist in improving outcomes through early identification of serious health conditions.

ABOUT MULTI INFLAMMATORY SYNDROME IN CHILDREN (MIS-C)

A condition related to Kawasaki Disease (KD), which has been shown to be potentially linked to COVID-19 and has resulted in hospitalizations among children.

MIS-C is an inflammatory condition that can affect a variety of organs, including the heart, lungs, kidneys, brain, skin, eyes, or and gastrointestinal organs. While MIS-C origin is unknown, many children diagnosed with MIS-C had previously tested positive for COVID-19 or were in close proximity to someone with COVID-19.

Healthix Analytics and Alerts: COVID-19 Surveillance System

Early diagnosis and timely treatment can prevent coronary issues and organ damage.

It is vital that a surveillance system for MIS-C/KD be implemented to ensure timely treatment is provided to impacted children.

Healthix now offers surveillance and early detection tracking through the Healthix Analytics engine *powered by HBI predictive analytics algorithms*. Healthix will use real-time clinical data and labs to identify patients at risk. When a patient is identified with MIS-C or Kawasaki Disease, Healthix will send an alert to the patient's healthcare provider.

Quick Start

With "Quick Start" you immediately receive reports targeting certain patients, chronic conditions, and more. These reports will be delivered securely via email or an SFTP connection, weekly, monthly, or quarterly.

Call 1-877-695-4749 or email: info@healthix.org

ABOUT KAWASAKI DISEASE

Kawasaki Disease is a leading cause of acquired heart disease in the United States. Serious complications may occur, including coronary artery dilatations and aneurysms. The standard treatment, which includes intravenous immunoglobulin and aspirin, can substantially decrease the development of these coronary abnormalities.

British Medical Journal
Archives of Disease in Childhood

The major challenge in diagnosing Kawasaki Disease is that it shares clinical signs with other childhood illnesses where a fever is present. A computer-based algorithm was developed by HBI Solutions and validated using clinical criteria and laboratory tests to differentiate patients with Kawasaki Disease from those with other febrile illnesses.

- A blinded, multi-center validation of a computer algorithm for the differentiation of patients with Kawasaki Disease from others with clinically similar febrile illnesses was conducted.

- The algorithm showed sufficient sensitivity and positive predictive value in identify the majority of patients with Kawasaki Disease diagnosed across the United States.

- The results suggest a promising timely diagnosis and treatment of patients with Kawasaki Disease, thereby reducing the risk of coronary artery aneurysms.

British Medical Journal Archives of Disease in Childhood

This is an international peer review journal that aims to keep paediatricians and others up to date with advances in the diagnosis and treatment of childhood diseases as well as advocacy issues such as child protection. The content of Archives of Disease in Childhood is endorsed by the Royal College of Paediatrics and Child Health for Continued Professional Development in line with RCPCH CPD guidelines.