

## **CARDIOVASCULAR GENETICS CONSULT TEAM – A GAME CHANGER IN THE CICU**

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**Background:** - Goal: to improve ethical ordering of timely and appropriate genetic testing, documentation of consent, and rapidity of diagnosis disclosure to guardians in neonates with congenital heart disease in the TCH CICU Hypotheses: 1) Following the establishment of a dedicated CV genetics team in July 2020... A) The number of genetics consults significantly increased B) The time to diagnosis disclosure significantly decreased C) The documentation of appropriate consent significantly increased D) The number of duplicate tests significantly decreased E) The number of tests which are not clinically indicated significantly decreased F) Adherence to appropriate pattern of genetic testing significantly improved 2) The following demographic factors are associated with later (or no) CV genetics consults : Non-English primary language, Non-Caucasian race, Hispanic ethnicity, Home address in low income area (per census data), Payor: Medicaid (vs Private) insurance

**Materials/Methods:** Inclusion Criteria - All 16-18th floor patients - Jan 2020– Oct 31, 2021 - <30 days old at admission Intervention: creation of CV Genetics Team July 2021 Data collection: Obtaining initial data through Front Door request (see below), will input Front Door data and additional data (e.g. genetic testing- appropriateness and results interpreted) into redcap survey Data analysis: - % patients with appropriate testing (pre vs post intervention) - % of patients with duplicate testing - time to genetic diagnosis (run chart) - absence of inappropriate testing (run chart)

**Results:** - Data has been requested by Front Door/Heart Center Cardiac Informatics Data Science team's Data Collaboratory and should be received by late January - February – data analysis and publication preparation

**Conclusions:** To be determined

**Images / Graph / Table:** No image uploaded