

Measure X Funding Recommendations

December 14, 2021

Contra Costa Regional Medical Center and Health Centers



Contra Costa County is experiencing population growth and significant health disparities in communities across the county. Many patients face food and housing insecurity and transportation issues as they struggle to earn living wages. These daily stressors and structural inequities have a negative impact on the overall population, and particularly in the population the Contra Costa Regional Medical Center and Health Centers serves where patients have a myriad of chronic health conditions. We recognize that collaborative and integrated care methods are required to help improve health outcomes in our population.

- Approximately 50% of CCRMC/HC patients report two or more unmet basic needs such as access to food, housing and employment
- 34% our patients have behavioral health needs requiring interventions
- 57% of adults reported experiencing COVID-19 related adversity or trauma requiring resources and support
- 1/3 to 1/2 of our patients utilize interpreter services in at least 45 different languages to communicate with their provider

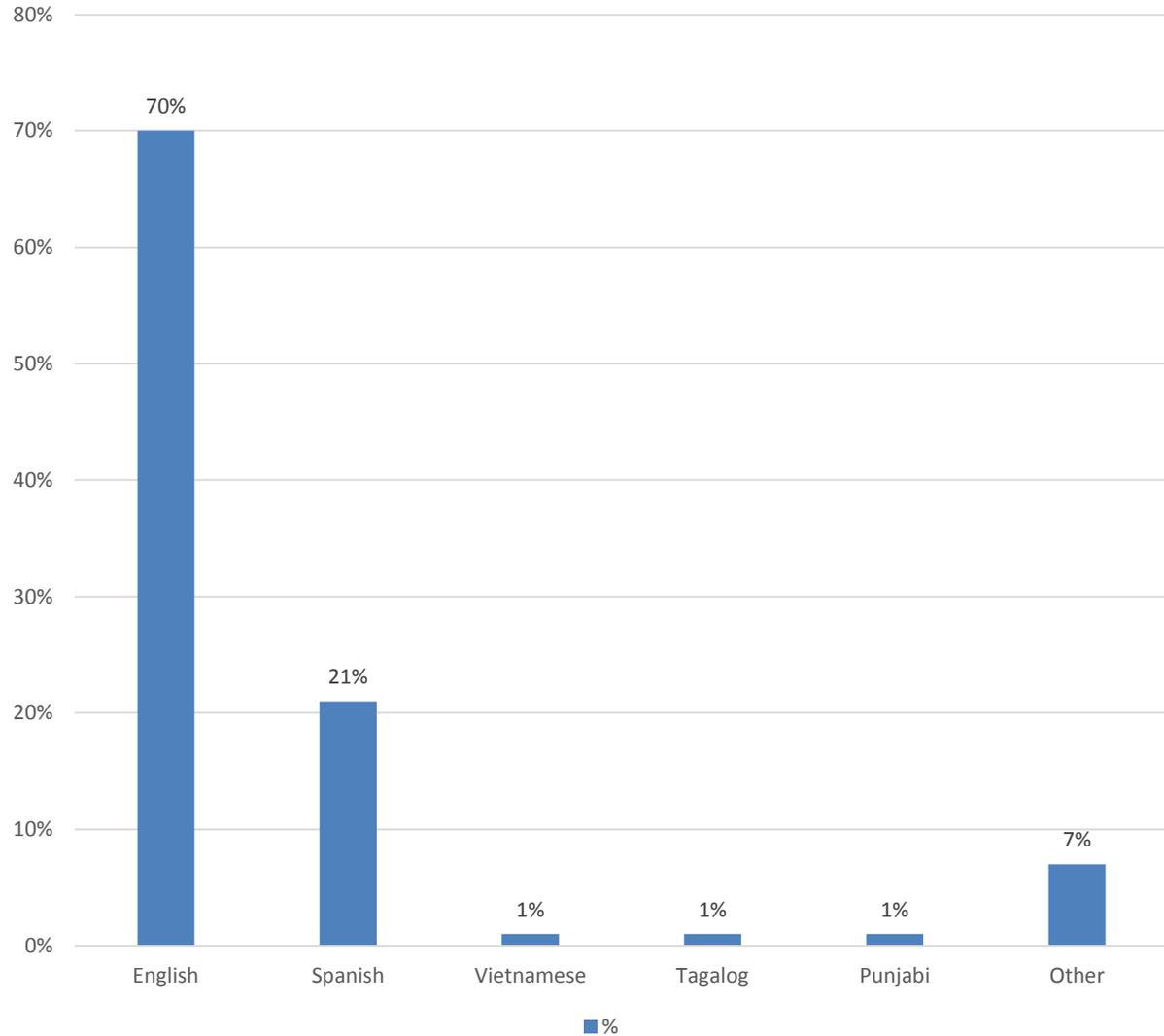
Contra Costa Regional Medical Center and Health Centers

- Greater than 70% of our patients qualify for Medi-Cal insurance based on poverty level income requirements
- On average, 18% of all county births happen at CCRMC, of those 95% are covered by Medi-Cal
- Over 1,400 foster youth supervised by the county have their medical home with CCRMC
- Approximately 11,000 individuals annually receive medical services in Detention while incarcerated and transitions to care are coordinated upon release to one of CCRMC's clinics
- 23% of all children in the county served
- 27% of all residents in the county served
- 500,000 Ambulatory visits annually, half occur on the Martinez campus

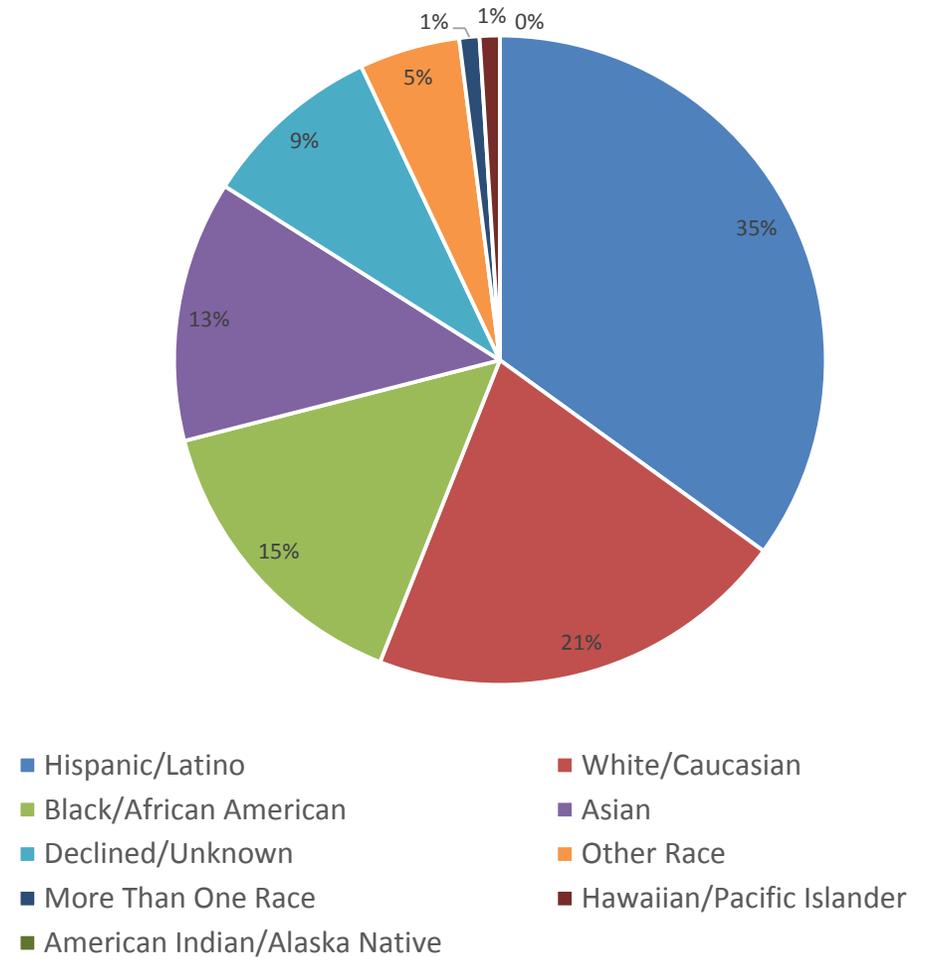


Patient Demographics

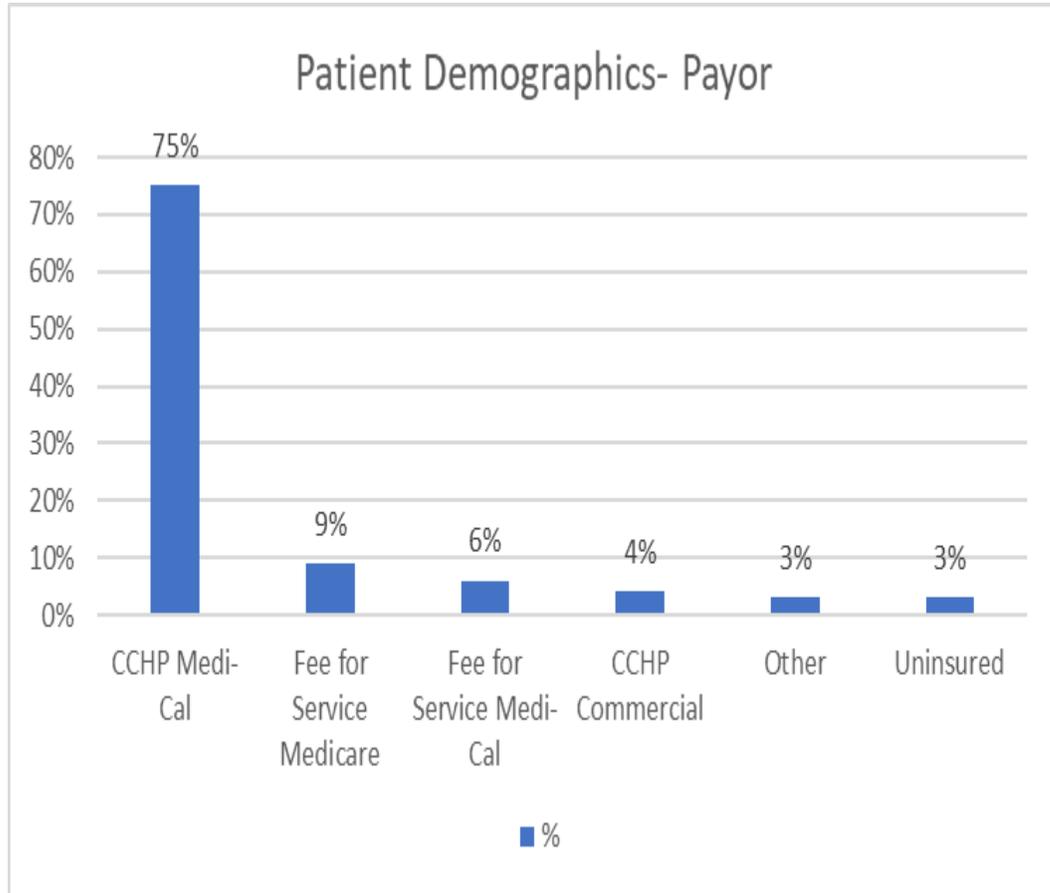
Patient Demographics- Primary Language



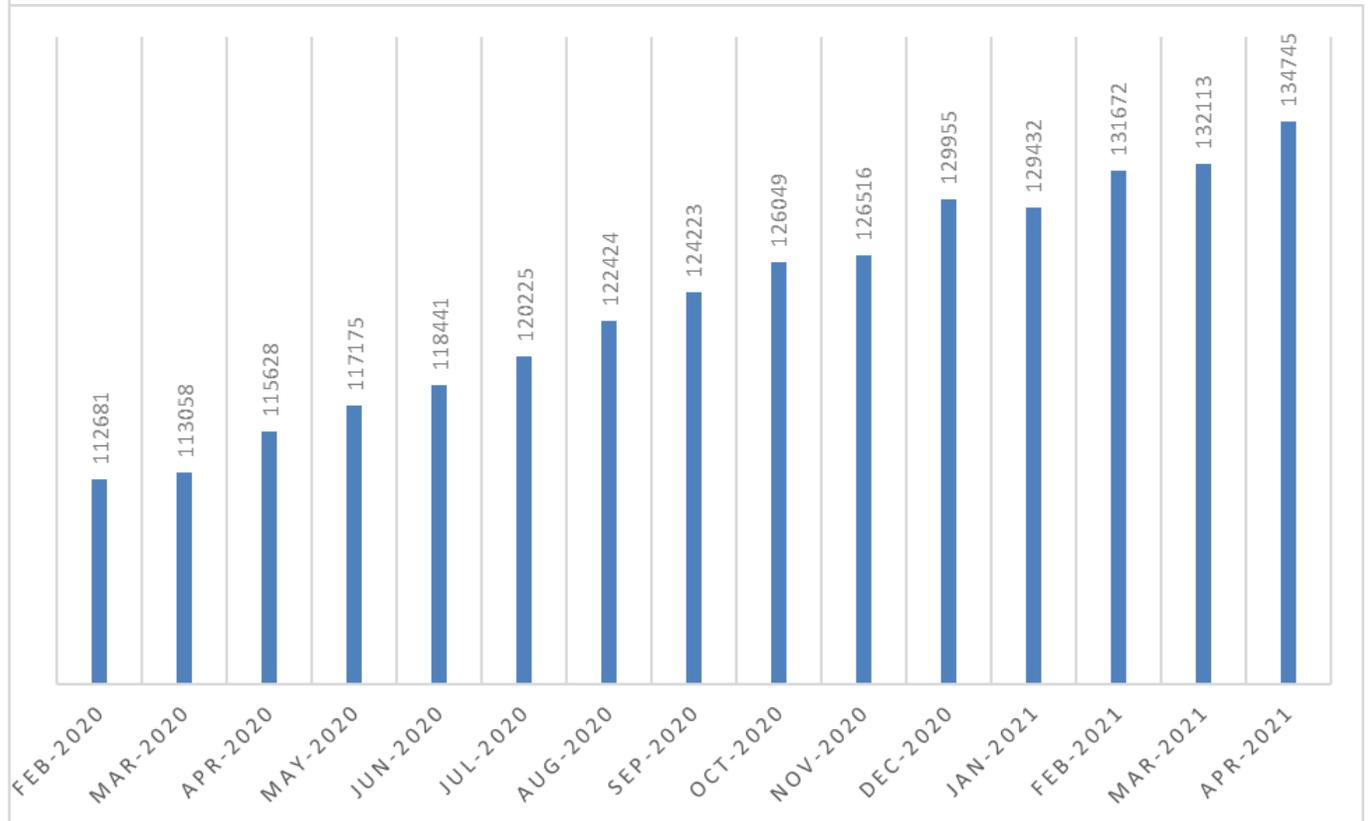
Patient Demographics- Ethnicity



Patient Demographics



Number of Empaneled patients



Contra Costa Regional Medical Center Campus Proposal



- New Medical Clinic and Office Building Complex
- New Interventional Radiology Suite
- New Parking Structure
- New Public Health Lab

Contra Costa Regional Medical Center Campus Needs

- As the primary Medi-Cal hospital and clinic delivery system for Contra Costa County, the current facilities, which serve well over 142,000 patients (an increase of 540% over 20 years), are inadequate in size and scope to provide clinical and health services to patients
- Specialty, care coordination and hospital services can be accessed by an additional 78,000 patients
- Physical space on the Martinez campus is the biggest constraint
- Meeting the clinical demand of our current and future patients requires expansion of services in areas such as primary care, pediatrics, geriatrics, dermatology, interventional radiology, urology, maxillofacial services, orthopedics, ophthalmology, oncology, behavioral health, cardiology and pulmonary.
- Added clinical space will improve:
 - Patient care and outcomes
 - Support Medi-Cal Waiver and supplemental funding requirements
- Benefits of the proposed projects include
 - Improved staff and patient safety
 - Improved patient access to clinical care
 - Improved staff wellness
 - More equitable care services for our patient community
 - Modernization of infrastructure and care practices
 - Improved ability to scale services in the coming years

New Medical Clinic Office Complex

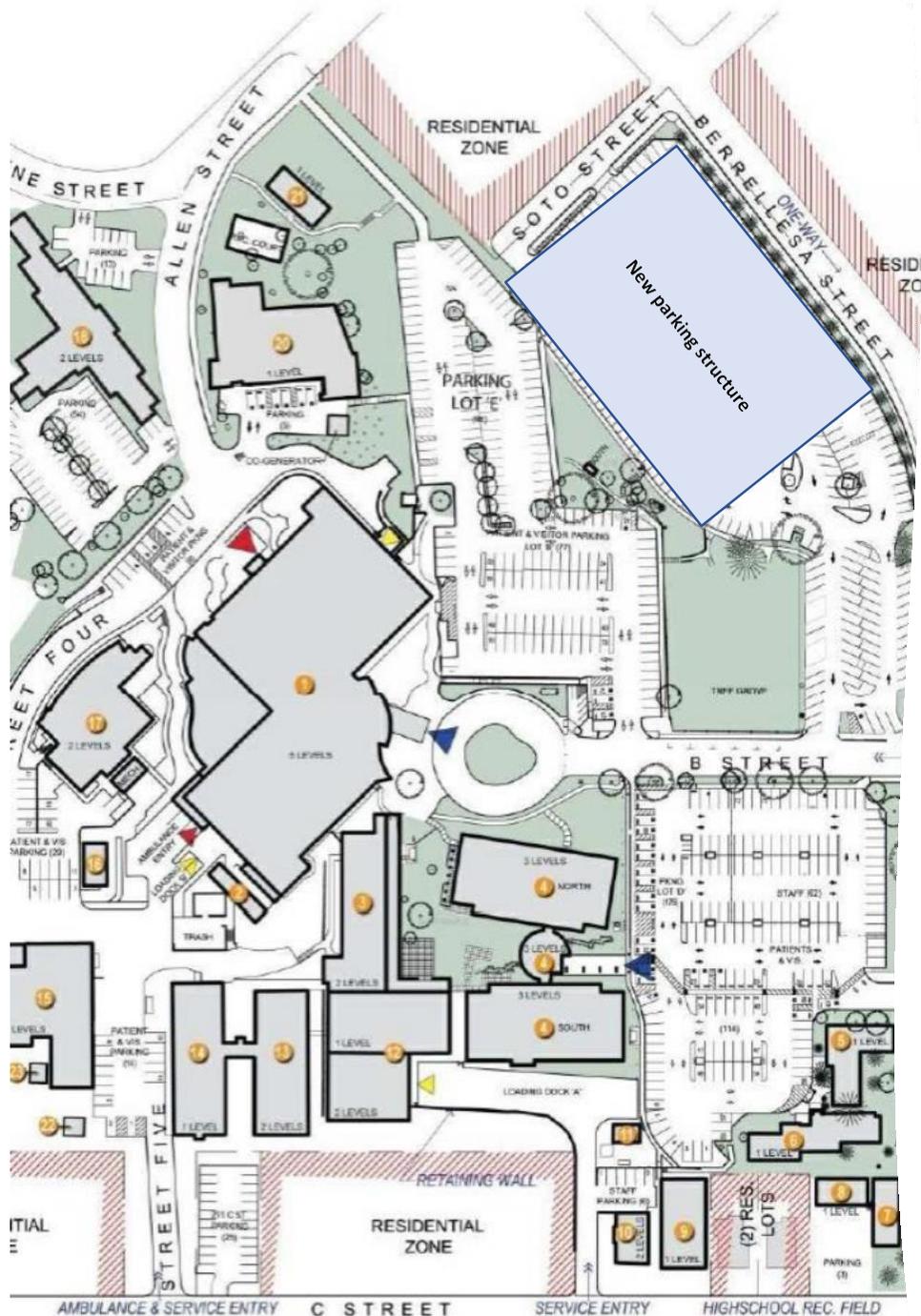
- The Martinez campus master plan developed in 2009 (attached) called for construction of medical office buildings, additional parking, and other improvements to meet the demands of patient growth and increasing clinical care.
- The new space will be used for:
 - Additional clinical space for primary and specialty care
 - Gastrointestinal procedure suite
 - Pulmonary bronchoscopy suite
 - Residency clinic & training center with simulation lab
 - Increased Ambulatory surgery access
 - Increased Diagnostic imaging services
 - New Specialty- Geriatric services
 - Full Integration of physical and behavioral health
 - Mandatory activities like care coordination, case management, electronic medical record keeping, telehealth, quality improvement, and regulatory oversight.
- **New Medical Clinic Office Complex: 40,000 square feet. \$30,000,000 estimated cost.**





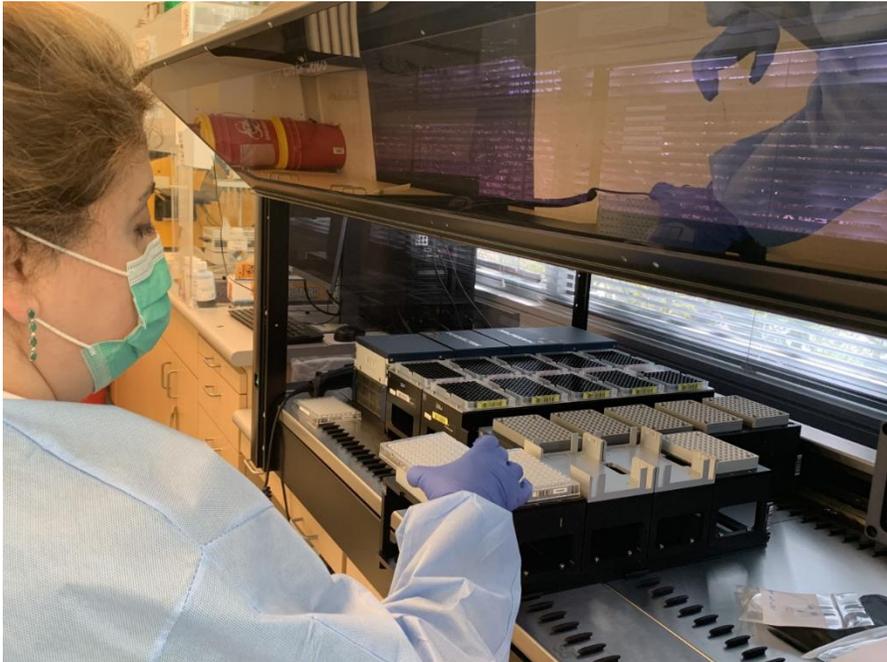
New Interventional Radiology (IR) Suite

- Over the last 2 decades small incision and non-surgical interventions to manage acute conditions with improved outcomes have become the standard of care.
- Patients needing pain control, catheter or port placements, cancer medication infusions, abscess and infection drainage, and interventional diagnostics would benefit from these services being provided on demand at CCRMC.
- Reduces need for patient transfer to surrounding hospitals with the associated delays in care due to coordination, transportation, and availability of services
- **New Interventional Radiology Suite: 5,000 square feet. \$5,000,000 estimated cost.**



New Parking Structure

- Despite use of a valet service (annual cost of \$480,000) the growth in patient volume has spotlighted the critical safety concern requiring additional parking
 - More than 3000 staff and patients arrive to the Martinez campus daily
 - 140% increase in traffic accidents from February 2020 to February 2021 on Alhambra and Allen streets
 - 3 babies born in the parking lot during the last year
- The number of existing spaces are nearly 40% less than best practice for a 167-bed hospital and the other buildings currently on campus
- Patients with physical disabilities, small children, and cognitive difficulties often miss appointments because they are unable to find convenient and safe parking. Families coming to see loved ones and newborns in hospital often are limited to after-hours visits due to parking limitations.
- **New Parking Structure: 325 additional spots. \$15,000,000 estimated cost.**



Current and Future Public Health Lab

- **One-Time Allocation Request: \$25 million, estimated**
- Build a new Public Health Lab capable of supporting community health including current and future pandemic response:
 - Demolish unusable space on the Contra Costa Regional Medical Center campus
 - Build 15,000 square foot new facility
 - Acquire the latest technologies and new equipment
 - Expand testing capabilities for all county residents
 - Be prepared for the next disease outbreak, health emergency and pandemic
 - Leverage additional State and federal opportunities to partner and fund cutting-edge methodologies
 - Monitor and respond to emerging Healthcare/Hospital Acquired Infections and drug-resistant pathogens



Current and Future Public Health Lab

- **Limitations of Existing Space – cannot leverage additional funding and new technologies, critical for pandemic & emergency preparedness**
 - Electrical Capacity: Cannot pursue modernization and testing expansion
 - Spatial Capacity: Cannot bring on additional equipment and improve workflows or capacity in laboratory building
 - Unable to optimize COVID-19 variant testing (whole genome sequencing) without additional freezers to hold specimens
 - Due to space constraints, stored supplies are spilling into lab work areas – creating safety, fire hazard and crowding issues





Rabies testing to determine need for immediate treatment

Contra Costa Public Health Lab

- **Public Health Lab keeps our entire community healthy:**
 - Broad-scale and individual testing for diseases and emerging health threats
 - Rapid outbreak testing and pandemic response
 - Monitoring of community recreational waters & food supplies
 - Training, information and support to all local hospital labs and health care providers
 - One of only two labs in California performing testing on meats, identifying potential causes for national and local outbreaks
 - Partners with the State and CDC to get latest technology and supplies
 - These critical activities are unique to Public Health, typically done at a fraction of the cost of commercial labs — and faster





Contra Costa Public Health Lab

- **The Public Health Lab provides services to support the entire county**
 - One of the ~30 designated Public Health Labs in California
 - Infrastructure to support high-volume testing
 - Capacity to turn around outbreak results under 24 hours
 - Confirm atypical laboratory test results and verify results of other laboratories' tests
 - Train providers across the county on handling specimens of critical importance such as suspected Bioterrorism agents, tuberculosis, malaria, novel diseases, etc.
 - Handled over 234,000 infectious disease specimen tests in the past year



Contra Costa Public Health Lab

- **Essential to COVID-19 Screening and Testing in Contra Costa:**
 - First to have access to supplies and methodology to perform COVID-19 testing in Contra Costa
 - First to have ability to perform whole genome sequencing to identify variants in Contra Costa
 - Capable of quickly detecting Omicron and Delta variants in the local community
 - Performs approximately 25% of whole genome sequencing in Contra Costa
 - Preparing to implement whole genome sequencing for other diseases of importance such as tuberculosis, salmonella, and antibiotic drug resistance
 - Without a local Public Health Lab, these activities would be diverted to State and other private labs – delaying results and limiting available testing options in the county

