

ANNUAL REPORT



2022



ROANOKE CITY
and ALLEGHANY
HEALTH DISTRICTS

Your Partner in Community Wellness

MESSAGE FROM THE HEALTH DIRECTOR

Dear Residents of the Roanoke City and Alleghany Health Districts,

It is a great pleasure to share our 2022 Roanoke City and Alleghany Health Districts' (RCAHD) Annual Report. Our goal for this report is to provide you with an overview of our programs and services as we continually strive to improve and protect our communities' health.

The COVID-19 pandemic continued to dominate public health news in early 2022. COVID-19 activity hit a peak in mid-January, when RCAHD received reports of more than 600 confirmed cases every day and more than 140 of our friends, family members, and neighbors were hospitalized with COVID. Thankfully, we have made great progress since then, with COVID-19 fading from the headlines as time marched on.

Unfortunately, an outbreak of hepatitis A stayed in the headlines throughout 2022. Prior to 2021, an average of only 2-4 cases of hepatitis A were reported to RCAHD every year. Following the aftermath of the large, restaurant-associated 2021 outbreak of disease, our districts experienced ongoing community-transmission in 2022 that resulted in the reports of 93 additional new cases of hepatitis A. In response to this continued public health threat, we were able to work closely with community partners to administer more than 2500 doses of hepatitis A vaccine to populations at greatest risk of the disease, such as individuals who are unhoused or who use injection drugs.

In addition, our team responded to an outbreak of mpox. Fewer than 10 cases of mpox were reported in our districts, and more than 300 mpox vaccines were administered.

While our work around communicable diseases often makes the headlines, please know that every day we are working hard to protect our community against health threats, to promote health, and to prevent disease. We do this by ensuring our pools, hotels, restaurants, and septic systems are safe; by providing clinical services such as family planning; by promoting our children's health with the WIC program, Early Intervention services, the car seat program and more; and critically, by working with community partners to improve health (e.g., through home visitation programs for new mothers) and to decrease harm (e.g., the impact of substance use disorder).

Every day I continue to be so thankful for the remarkable people I work with and work for. To each employee of the Roanoke City and Alleghany Health Districts: Thank you for what you do every day to make a difference in our community!

In health,

A handwritten signature in blue ink that reads "Cynthia B. Morrow". The signature is fluid and cursive, with the first name "Cynthia" being more prominent.

Cynthia B. Morrow, MD, MPH

TABLE OF CONTENTS

Section	Page
Message from Health Director	2
Ten Essential Public Health Services.....	4
RCAHD Service Area.....	5
Organizational Chart	6
Administration	7
Clinical Services	9
Emergency Preparedness	11
Environmental Health	13
Epidemiology	17
Family Services	19
Population Health	21
Vital Records	24
Women, Infants & Children Program	25

Editorial and Design:

Editor: Christie Wills

Layout & Design: Shannon Bowles

Photos: Christie Wills, Adobe Stock Photos

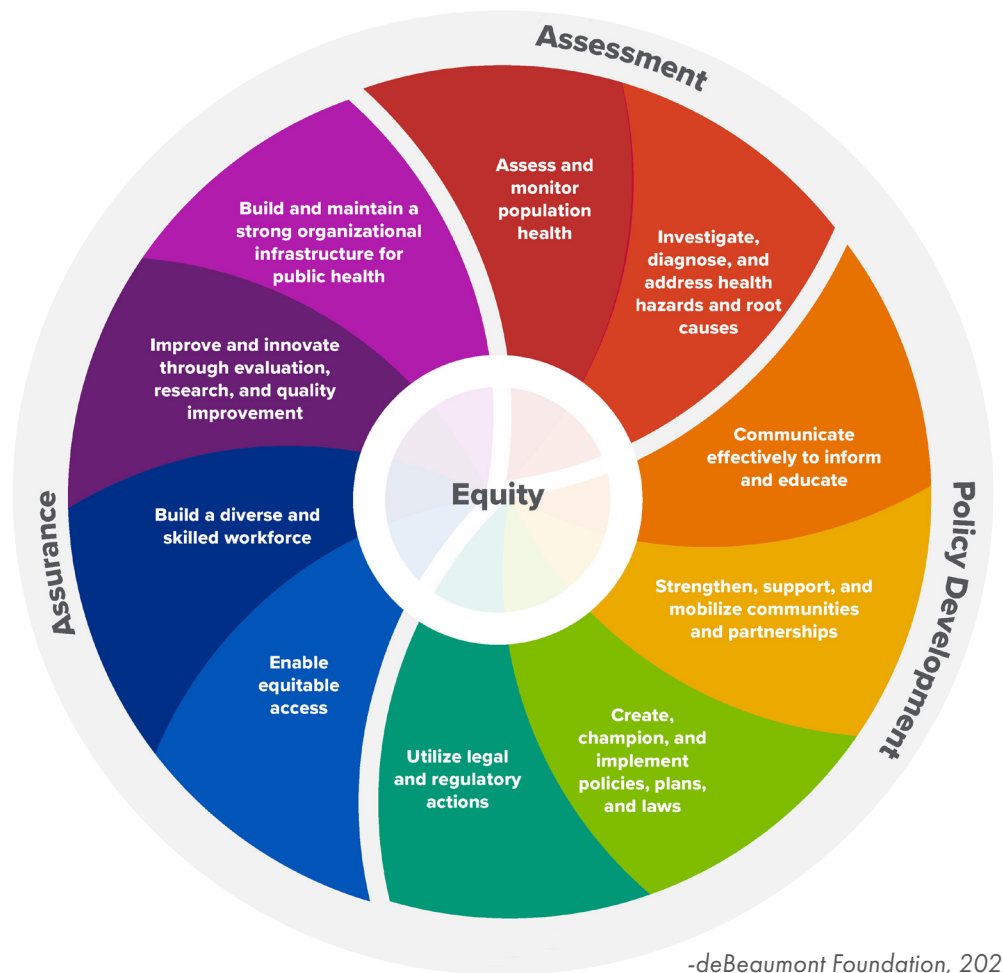
THE 10 ESSENTIAL PUBLIC HEALTH SERVICES

Representing two of the 35 local districts of the Virginia Department of Health (VDH), RCAHD has the shared mission to protect the health and promote the well-being of all people in Virginia.

We do this by applying the framework of the 10 Essential Public Health Services, keeping equity at the center of all that we do.

To protect and promote the health of all people in all communities

The 10 Essential Public Health Services provide a framework for public health to protect and promote the health of all people in all communities. To achieve optimal health for all, the Essential Public Health Services actively promote policies, systems, and services that enable good health and seek to remove obstacles and systemic and structural barriers, such as poverty, racism, gender discrimination, and other forms of oppression, that have resulted in health inequities. Everyone should have a fair and just opportunity to achieve good health and well-being.



-deBeaumont Foundation, 2022



RCAHD SERVICE AREA

The Mission of the Virginia Department of Health is to protect the health and promote the well-being of all people in Virginia. The agency's vision statement is "Become the healthiest state in the nation."



**ROANOKE CITY
and ALLEGHANY
HEALTH DISTRICTS**

Your Partner in Community Wellness

LOCAL HEALTH DEPARTMENT CONTACT INFORMATION

Alleghany County / Clifton Forge

322 Jefferson Street • Clifton Forge, VA 24422
(540) 962-2173

Alleghany County / Covington

321 East Beech Street • Covington, VA 24426
(540) 962-2173

Botetourt County

21 Academy Street • Fincastle, VA 24090
(540) 666-4275

Craig County

161 Main Street • New Castle, VA 24121
(540) 864-5136

Roanoke City

1502 Williamson Road • Roanoke, VA 24012
(540) 283-5050

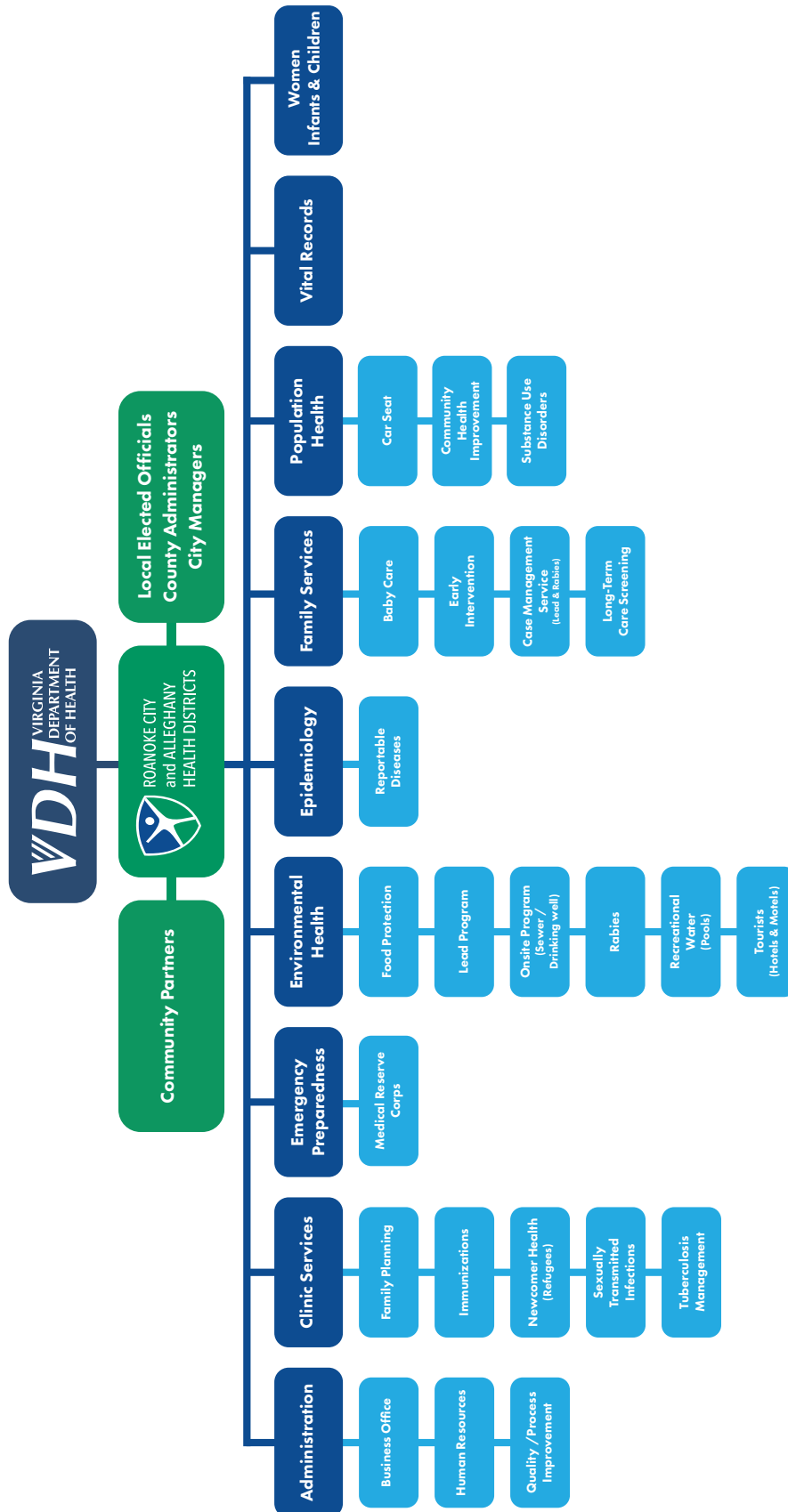
Roanoke County

227 South Pollard Street • Vinton, VA 24179
(540) 857-7800

Salem

105 East Calhoun Street • Salem, VA 24153
(540) 387-5530

VDH ORGANIZATION CHART



ADMINISTRATION

The mission of the Administration Division is to provide the support and services necessary for the successful implementation of district programs and services and to provide transparency to our stakeholders.

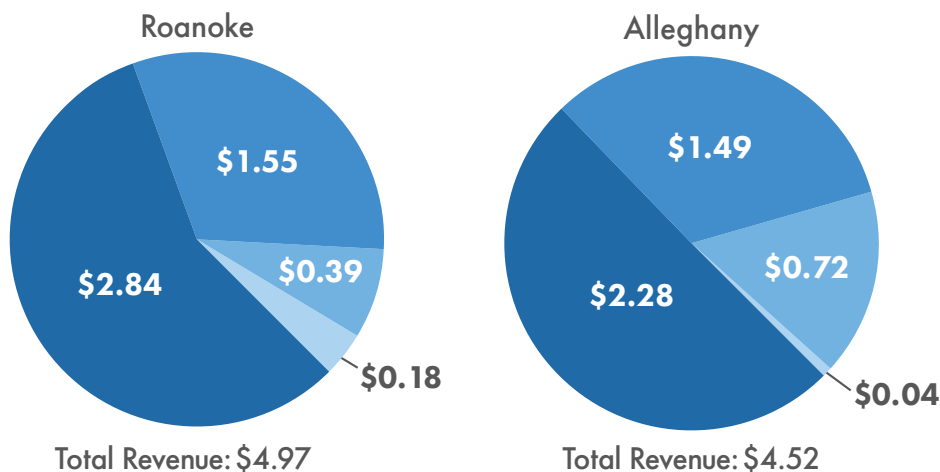
HIGHLIGHTS

- In 2022, RCAHD received record-level federal grant funding to address local needs related to the ongoing COVID-19 pandemic.

FINANCIAL INFORMATION

RCAHD receives funding through a variety of sources divided into the “cooperative budget” and the “non-cooperative budget.” The cooperative budget includes state general funds that are matched by local funds as mandated by the Code of Virginia. The non-cooperative budget includes federal and other grants (as services and fees). The 2022 VDH fiscal year is from June 2021-June 2022. Amounts listed in millions.

RCAHD COOPERATIVE REVENUE

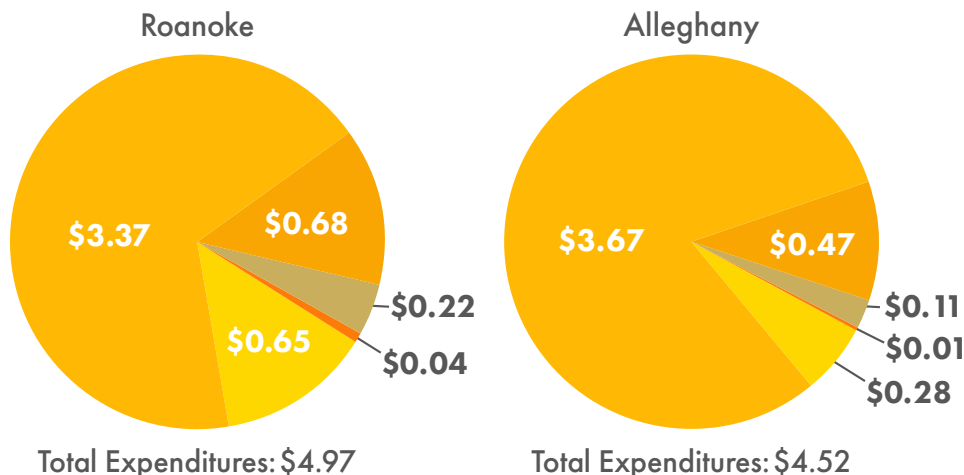


**TOTAL RCAHD
COOPERATIVE REVENUE**
\$9.49 MILLION

Key:

- State Funds
- Local Match Funds
- Revenue from Fees
- 100% Local Funds

RCAHD COOPERATIVE EXPENDITURES



**TOTAL RCAHD
COOPERATIVE EXPENDITURES**
\$9.49 MILLION

Key:

- Personnel Services
- Contractual Services
- Supplies and Materials
- Transfer Payments
- Continuous Charges

FEDERAL GRANT DETAILS

The total revenue from federal grants was much higher in 2022 than in the past as a result of increased federal funding to support COVID-19 response and relief efforts. Federal grants included American Rescue Plan Act (ARPA) funds for community engagement and workforce development.

One-Time Grants	Roanoke	Alleghany	Total
Public Health Workforce	49,100	117,900	167,000
COVID-19 (all related grants)	1,681,200	821,500	2,502,700
Rural Health		240,400	240,400
Enhanced STI Outreach	77,400	77,400	154,800
Total	\$1,807,700	\$1,257,200	\$3,064,900

Ongoing Multi-Year Grants	Roanoke	Alleghany	Total
Early Intervention	669,300	-	669,300
Emergency Preparedness	96,900	99,100	196,000
Family Planning	71,700	50,700	122,000
Immunization	56,000	59,900	115,900
Maternal & Child Health	39,200	32,400	71,500
STI / HIV (all related grants)	135,800	-	135,800
WIC (all related grants)	780,000	461,900	1,930,000
Miscellaneous	9,100	4,900	18,200
Total	\$1,188,700	\$708,900	\$2,566,400



CLINIC SERVICES

The mission of the Clinic Services Division is to provide clinical services to support health promotion, disease prevention, and community health and wellness across the entire lifespan through collaboration with community partners.

HIGHLIGHTS

- In 2022, the RCAHD clinical team continued to support COVID-19 vaccination efforts and respond to local outbreaks of both hepatitis A and mpox.
- Due to increased demand for services, Roanoke City doubled its capacity for sexually transmitted infection (STI) testing and screening appointments in late 2022.

FAMILY PLANNING

The Family Planning program provides individuals with knowledge about and access to methods of birth control to empower them to improve pregnancy outcomes and decrease unintended pregnancies. A broad range of effective family planning birth control methods and services are available, including contraception, physical exams, infertility education, counseling, and family planning education for adults and teens.

2022	Alleghany/ Covington	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Family Planning Visits	373	95	51	1502	139	215	2375

IMMUNIZATIONS

The Immunization program reduces the morbidity and mortality associated with vaccine-preventable diseases. Vaccines are provided to adults and children following the guidelines set forth by the Advisory Committee in Immunization Practices (Centers for Disease Control and Prevention). On-site and off-site immunization clinics provide vaccination opportunities for flu, pneumonia, tetanus, diphtheria, pertussis, and all other adult and childhood vaccines.

2022	Alleghany/ Covington	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Office Visit Immunizations	817	923	1011	6139	1102	1358	11350

OFF-SITE COVID RESPONSE

In addition to doses administered at our routine office clinics, RCAHD provided an additional 21,200 COVID vaccinations at off-site clinics in places such as churches, festivals, food pantries, and other non-profit locations.

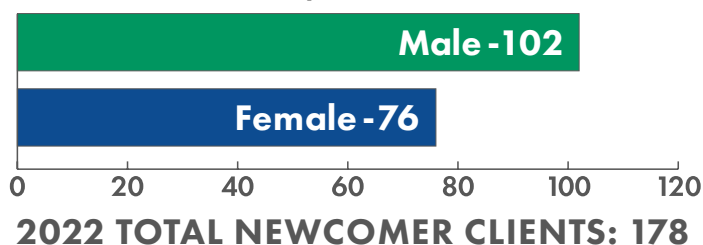
MPOX RESPONSE

In response to the mid-2022 global outbreak of mpox (formerly known as “monkeypox”), RCAHD worked with community partners to provide outreach to residents at greatest risk for disease. RCAHD administered 317 mpox doses of vaccine.

NEWCOMER HEALTH PROGRAM

The Newcomer Health program provides screenings and services for newly arrived refugees and other qualified individuals. Within 45 days of arrival, newcomers receive all necessary immunizations, general health and mental health screenings, and follow-up referrals. Clients are offered full family planning services and encouraged to establish a local medical home. Working with newcomers sponsored by the local refugee resettlement agency, Commonwealth Catholic Charities, the program staff address health issues that have the potential to impact individuals' resettlement into our communities.

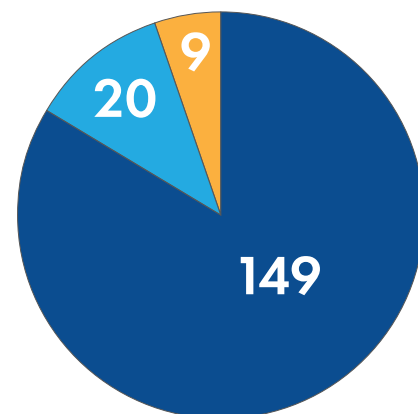
Number of Clients by Gender



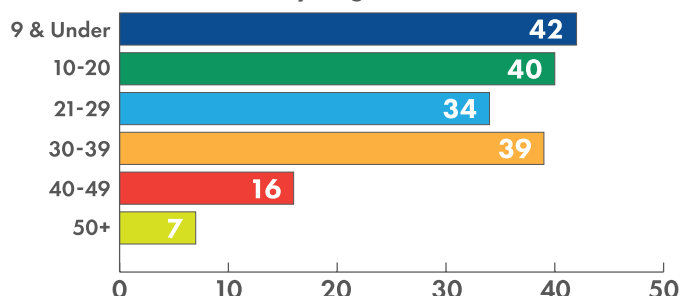
Number of Clients by Country of Origin

Key:

- Afghanistan
- Democratic Republic of Congo
- Nepal / Cuba / Ukraine / Lebanon



Number of Clients by Age



SEXUALLY TRANSMITTED INFECTIONS (STI)

The Sexually Transmitted Infection (STI) program aims to prevent the spread of STIs through education, outreach and clinical services. STI clinics offer counseling, testing, treatment, and partner referral services for patients at risk of or currently experiencing STIs.

2022	Alleghany/Covington	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
STI Visits	33	6	2	684	59	86	870

TUBERCULOSIS (TB) MANAGEMENT PROGRAM

The Tuberculosis (TB) Management program aims to prevent, control and eliminate tuberculosis in the community. The program offers confidential TB risk assessment screenings and testing. The TB team collaborates with the medical provider of individuals diagnosed with TB or a latent TB infection to provide case management, including the provision of medication and care coordination. The team also assists with the identification and testing of contacts for individuals with active TB, provides transportation for appointments and home visits to deliver medication to perform Directly Observed Therapy (DOT).

2022	Alleghany/Covington	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Tuberculosis Services Rendered	368	124	32	1094	139	103	1860

EMERGENCY PREPAREDNESS AND RESPONSE

The mission of the Office of Emergency Preparedness and Response (EP&R) is to protect the residents of RCAHD through all-hazards planning and response.

HIGHLIGHTS

- As the need for logistical support for COVID outreach decreased throughout 2022, staff efforts shifted to re-establish the necessary priorities of other Emergency Preparedness & Response (EP&R) activities.

2022 RCAHD EP&R ACTIVITIES INCLUDED:

- Introduction of RCAHD's new RV called DASH (Delivering Accessible and Sustainable Health) as a new means to provide mobile outreach.
- Direct logistical support for 64 outreach and vaccination community events.
- A review of all district preparedness documents, including the Emergency Operations and Continuity of Operations plans, and functional and hazard-specific annexes.
- Collaboration with the districts' Safety Committee to update the RCAHD Safety Manual to address both site-specific and district-wide safety issues. Situational awareness and personal safety trainings were held for staff.
- Program and equipment presentations to our local Emergency Preparedness Committee partners, including:
 - Businesses and industries that are involved with hazardous materials throughout the region,
 - Fire, EMS, and law enforcement agencies,
 - Virginia Department of Emergency Management staff, American Red Cross, Virginia 211, and others.
- Interaction as participant, facilitator, or evaluator in several tabletop exercises with the Near Southwest Preparedness Alliance (NSPA).
- Creation of an Incident Command System (ICS) training matrix for staff. In 2022, more than 60 RCAHD staff completed the required ICS 100 & 200 in a classroom setting.
- Initiation of the application process to become Project Public Health Ready (PPHR) recognized by the National Association of City and County Health Officials (NACCHO) in 2023.
- Continued efforts to build or re-establish partnerships with community agencies to ensure participant safety at events and support during times of emergencies or disasters.
- The hiring of an Emergency Planner in March to increase our EP&R capacity.

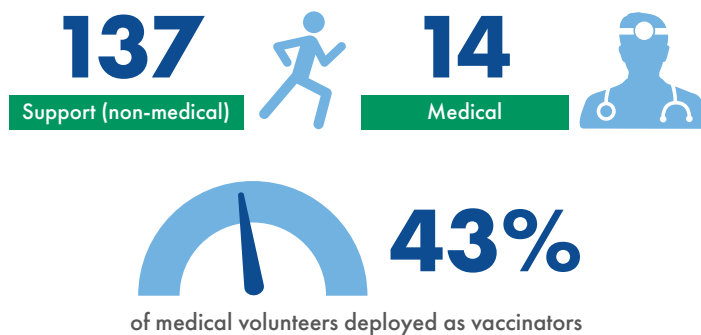


MEDICAL RESERVE CORPS

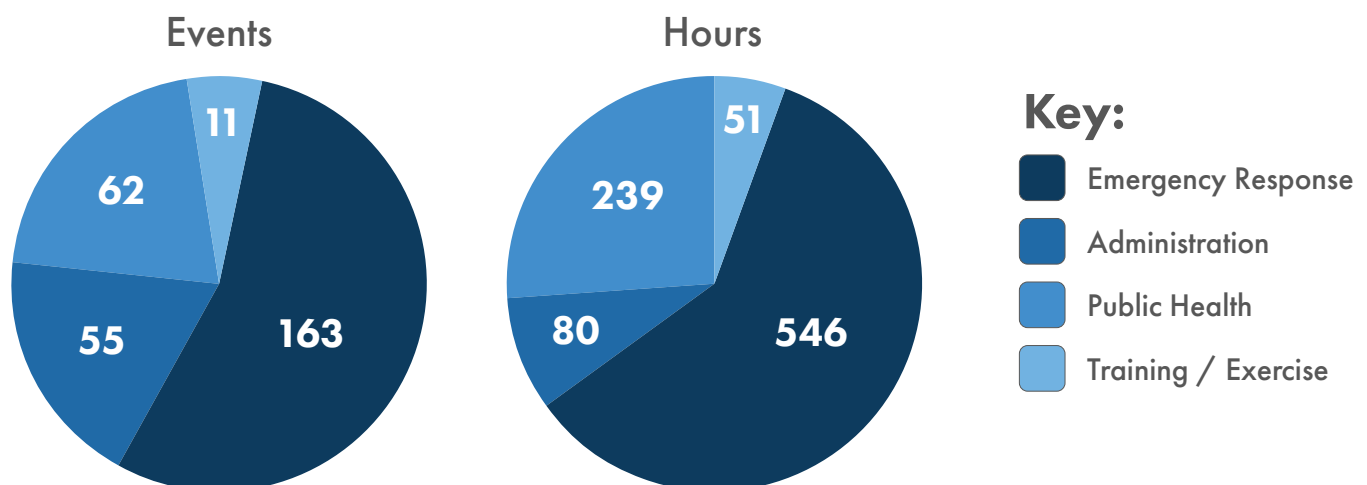
The goal of MRC preparedness is to keep volunteers engaged with training and volunteer opportunities so that they are able to support public health efforts when the need arises. Volunteer deployments in 2022 included support for pandemic-related and public health medical activities, training for emergency response, and a range of administrative tasks.



2022 VOLUNTEERS BY CATEGORY



2022 VOLUNTEER ACTIVITIES



ENVIRONMENTAL HEALTH

The mission of the Environmental Health Division is to work with our community partners to protect and improve the overall health of our residents through the assurance of a safe environment.

FOOD PROTECTION

The Food Protection program inspects and permits food service establishments including restaurants, mobile food units (food trucks) and public food service such as hospitals, schools and child/adult care facilities. Our inspectors also assist in the investigation of potential foodborne illness outbreaks. Reviews are conducted on construction plans for new or remodeled facilities.

2022 Permits	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Food Permits	589	182	141	81	12	32	35	1072

2022 Food Inspections	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Mandatory	880	227	261	187	22	47	78	1752
Follow Up	41	15	50	1	0	1	1	109
Complaint	9	5	4	5	0	1	0	24
Other	51	11	12	4	1	5	4	88
Total	981	308	327	197	23	54	83	1973



RECREATIONAL FACILITIES

The Recreational Facilities program provides health and safety inspections at regulated public facilities including public swimming pools, children's summer camps, campgrounds and fairs/festivals.

2022 Permits	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Fairs/Festivals	27	5	8	11	2	8	3	64
Summer Camps	0	1	0	2	2	0	0	5
Campgrounds	0	4	0	6	1	0	1	12

2022 Recreation Inspections	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Pools	54	63	23	7	2	0	3	151
Summer Camps	0	1	0	2	2	0	0	5
Campgrounds	0	4	0	6	1	0	1	12

Data source – HS Cloud Suite, Environmental Health Database (VA-US) • 2022 data = 01/01/2022 – 12/31/2022



LODGING

The Lodging program provides annual health and safety inspections along with complaint investigations of regulated public facilities including hotels, motels, bed & breakfasts, and migrant farm worker housing. Reviews are conducted on construction plans for new or remodeled facilities.

2022	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Permits	22	15	10	7	2	2	6	64
Inspections	35	17	46	14	2	2	7	93
Complaints	9	4	3	4	0	0	1	21



ANIMAL DISEASE PREVENTION (RABIES)

The Animal Disease Prevention (rabies) program deals with the concerns of rabies and its potential spread to the human population. The program investigates reports of possible exposure to rabies, submits animal specimens to the Virginia Division of Consolidated Laboratory Services for rabies testing, and follows up on both animal and human exposure, including posting public notices to ensure protection for all.

2022	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Other*	Total
Rabies Investigations	268	206	80	126	13	27	38	26	784
Human Victim Exposures	240	183	63	104	10	27	36	23	686
Animal Victim Exposures	8	3	10	27	2	0	0	1	51

*These rabies incidents occurred outside of our district, however the victim or the source animal (domestic) was a resident of our jurisdiction.

2022 Source Animal Types	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Other**	Total
Domestic¹ Animals	245	164	66	107	11	26	34	23	676
Bat²	14	31	8	2	0	1	1	1	58
Livestock	1	2	1	6	0	0	1	0	11
High Risk³ Wildlife	6	8	5	11	2	0	2	2	36
Low Risk⁴ Wildlife	2	1	0	0	0	0	0	0	3

Definitions provided by the Compendium of Animal Rabies Prevention and Control (NASPHV).

1. Domestic Animals are defined as pet dogs and cats.
2. Bats (scientific order Chiroptera) pose the highest risk for rabies.
3. High Risk Wildlife includes mammals in the scientific order Carnivora, such as raccoons, skunks, foxes, opossums, groundhogs and beavers.
4. Low Risk Wildlife includes small rodents such as squirrels or mice, and lagomorphs (rabbits).

2022 Source Animal Testing	Domestic Animals	Bats	High Risk				Low Risk	Total
			Skunk	Raccoon	Fox	Other		
# Tested	44	28	15	5	6	6	3	107
# Positive	0	(4)	10 (2)	0	4	0	0	14

(Numbers in parentheses reflect those specimens that were unsatisfactory for testing.)

Data source – HS Cloud Suite, Environmental Health Database (VA-US) • 2022 Data = January 1, 2022 - December 31, 2022

WATER & WASTEWATER

The Water and Wastewater program provides surveillance, inspection and regulatory oversight of private wells, on-site sewage systems and sewage handlers. System designs are submitted by the private sector for review by our staff. The majority of private wells and on-site sewage systems are located in the more rural areas of our district.

2022	Roanoke City	Roanoke County	Salem	Botetourt	Craig	Covington	Alleghany	Total
Well Applications	0	43	1	52	26	1	27	150
Well Permits Issued	0	36	1	48	24	0	24	133
Well Inspections	0	17	0	52	13	0	13	95
Sewage Applications	0	51	0	82	23	1	27	184
Sewage Construction Permits Issued	0	49	0	82	19	1	22	173
Sewage Operation Permits Issued	1	34	0	54	9	1	10	109
Sewage Inspections	0	5	0	7	15	0	13	40
Sewage Complaint Inspections	5	20	1	10	1	0	2	39
Sewage Handler Permits Issued	6	0	18	6	0	0	0	30
Sewage Handler Inspections	6	0	18	2	0	0	1	27

Data source – HS Cloud Suite, Environmental Health Database (VA-US) • 2022 Data = January 1, 2022 - December 31, 2022



EPIDEMIOLOGY

The mission of the RCAHD Epidemiology Division is to monitor and investigate reportable and emerging communicable diseases, investigate outbreaks, and provide guidance and recommendations to stop the further spread of communicable diseases for the wellbeing of our communities.

HIGHLIGHTS

In 2022, the Epidemiology team responded to the following priority issues:

- Ongoing outbreak of hepatitis A: In total, 93 individuals with hepatitis A were associated with ongoing community transmission of this disease.
- Increase in reported cases of invasive Group A Streptococcus (iGAS): 26 individuals were diagnosed with iGAS, a 73 percent increase over the prior year 2021 (15 total cases).
- Ongoing COVID-19 pandemic: Over the course of the year, over 35,000 confirmed cases of COVID-19 were identified in RCAHD residents.

2022 RCAHD COMMUNICABLE DISEASES (REPORTABLE)

To optimally protect the public's health, healthcare professionals and laboratories are required to report over 70 diseases or conditions in Virginia. In 2022, RCAHD investigated over 600 incidences of reportable diseases (excluding COVID-19).

Condition	Alleghany	Roanoke City	Total
Amebiasis	0	1	1
Anaplasma phagocytophilum infection	1	0	1
Campylobacteriosis	11	6	17
Candida auris, clinical	1	0	1
Coronavirus Disease 2019 (COVID-19)	23,548	12,648	36,196
CP-CRE (E. coli, Enterobacter and Klebsiella spp)	10	3	13
CPO-non-Enterobacteriaceae	0	3	3
Cryptosporidiosis	1	2	3
E. coli infection, shiga toxin-producing	3	2	5
Ehrlichia chaffeensis infection	7	0	7
Giardiasis	1	5	6
H. influenzae, invasive	1	2	3
Hepatitis A, acute	36	57	93
Hepatitis B, acute	3	5	8
Hepatitis B, chronic	22	37	59
Hepatitis C, acute	4	3	7
Hepatitis C, chronic	133	136	249
Histoplasmosis	1	0	1
Latent TB infection	2	12	14
Lead, elevated levels	15	22	37

Condition	Alleghany	Roanoke City	Total
Legionellosis	6	4	10
Lyme disease	10	13	23
Meningococcal	0	1	1
Monkeypox	3	6	9
Pertussis	3	0	3
Salmonellosis (non-Typhi, non-Paratyphi)	18	9	27
SARS-CoV disease	1	0	1
Shigellosis	1	0	1
Spotted Fever Rickettsiosis (including RMSF)	4	0	4
Streptococcus, Group A, invasive	11	15	26
Streptococcus pneumoniae, invasive (age limit 5)	1	0	1
Tuberculosis	0	2	2
Unusual occurrence of public health concern - TOX	1	0	1
Varicella (Chickenpox)	2	2	4
Vibriosis, non-cholera	0	1	1
West Nile Virus (neuroinvasive)	0	2	2
Yersiniosis	2	2	4
Grand Total	23,843	13,001	36,844

HEPATITIS A OUTBREAK (COMMUNITY-ACQUIRED)

In September 2021, the RCAHD epidemiology team identified a restaurant-associated outbreak of hepatitis A. By the end of the outbreak in November 2021, a total of 51 cases of hepatitis A were attributed to this outbreak. In 2022, RCAHD continued to see a high number of community-acquired cases of hepatitis A, primarily in the community of individuals who use injection drugs. In total, RCAHD received reports of 93 cases of hepatitis A in 2022.

INVASIVE GROUP A STREPTOCOCCUS (IGAS) CASE INVESTIGATIONS

RCAHD has noted an increase in the number of community-acquired iGas cases reported in 2022 (26 cases). This is an increase compared to the number of cases identified in 2021 (15 cases).

The two most common risk factors for RCAHD iGAS cases in 2022 included:

- A history of minor injury with compromise to skin integrity (e.g., scrapes and burns) leading to invasive disease (10 cases/26)
- Substance use disorder (10 cases/26)

All individuals with iGAS cases in 2022 were hospitalized as a result of their infections.

2022 RCAHD iGAS cases, by age group (n=26)

Age Group	Number of Cases
11-20	2
21-30	2
31-40	6
41-50	3
51-60	3
61-70	4
71-80	5
91-100	1
Grand Total	26

2022 RCAHD iGAS cases, by age group (n=26)

Exposure	Number of Cases
Substance Use Disorder	10
Wounds / Burns / Scrapes	11
Unknown	5
Total	26

COVID-19 CASE INVESTIGATION AND OUTBREAK MANAGEMENT

- In 2022, the RCAHD COVID-19 Epidemiology team investigated and managed over 35,000 lab-confirmed cases, including 54 outbreaks.
- The team continued to dedicate many hours to work with businesses, K-12 schools, childcare centers, long-term care and assisted living facilities, congregate living facilities, and other healthcare facilities to assist in investigations and provide the most up-to-date guidance on reducing outbreaks and severe illness.

A NOTE ABOUT QUALITY ASSURANCE

Quality Assurance (QA) is an ongoing, comprehensive process to ensure the accuracy and integrity of reported data. In 2022, RCAHD's QA team reconciled and reviewed COVID-19 case reports, labs, whole genome sequencing results, and outbreaks to keep our database, public-facing dashboards, and reports clean, up-to-date, and accurate.

FAMILY SERVICES

The mission of the RCAHD Family Services program is to protect and improve the health of all residents, with a focus on women, infants, children, adolescents, and their families.

HIGHLIGHTS

- As the need for COVID-19 public health services responding to the ongoing pandemic decreased in 2022, RCAHD staff transitioned back to routine functioning of Family Services programs to serve our communities.

BABY CARE SERVICES

The Baby Care program improves pregnancy and birth outcomes by providing home visits from registered nurses to high-risk pregnant women and infants up to 24 months of age. With community partners such as CHIP of Roanoke Valley and Healthy Families Roanoke, the program provides intensive case management, coordination of care, and education about prenatal care, birthing and parenting.

2022	Alleghany	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Baby Care Visits	238	267	66	11	61	45	688

LEAD CASE MANAGEMENT

When a child is diagnosed with an elevated lead level, a public health nurse and an environmental health specialist respond to provide case management and a home assessment for the family. The goal is to identify and control the source of lead in the environment. Ongoing case management is provided by a public health nurse to educate the parents on the child's nutritional needs and to monitor the lead levels with the child's physician until it can be maintained at a non-toxic level.

2022	Alleghany	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Lead Cases	2	2	4	36	2	4	50

LONG-TERM CARE PRE-ADMISSION SCREENINGS

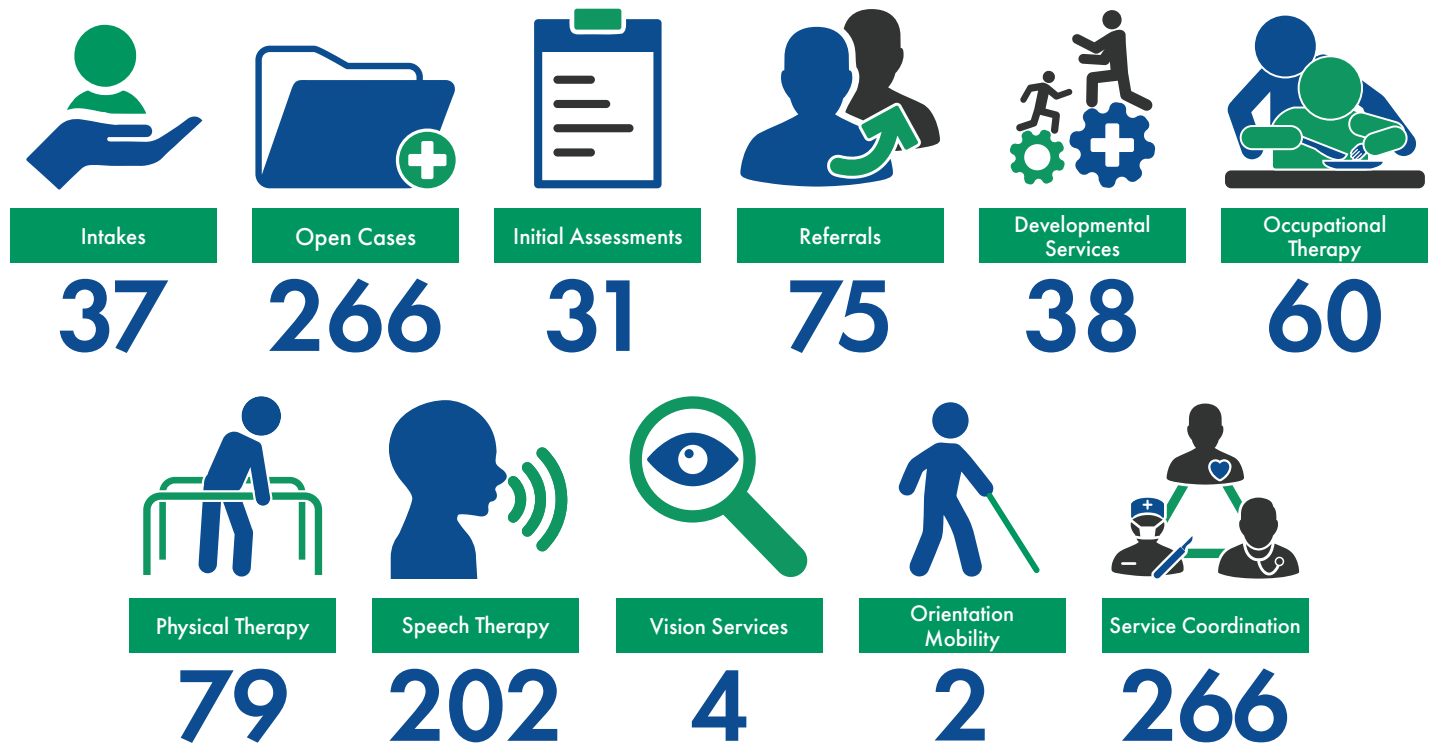
This program provides a timely screening assessment for Medicaid or Medicaid-eligible clients needing nursing home placement or services in the home or community. Screenings are targeted to older adults, people with disabilities, and children needing a long-term placement waiver or home-based care. In partnership with the Department of Social Services, a nurse and social worker determine whether clients meet Medicaid's eligibility criteria for either 1- functional capacity (the degree of assistance needed to complete activities of daily living such as bathing, toileting, dressing) or 2- medical or nursing need (wound care).

2022	Alleghany	Botetourt	Craig	Roanoke City	Roanoke County	Salem	Total
Pre-Admission Screenings	91	74	22	341	89	169	786

EARLY INTERVENTION

The Early Intervention program provides assessment and services for infants and toddlers from birth through age three who are not developing as expected or who may have a developmental delay, atypical development, or a medical condition that may delay normal development. The focus of early intervention is to provide support and services to increase the child's participation in family and community activities. In addition, support is provided to parents and other caregivers to help their children learn during everyday activities. The program serves residents of Botetourt County, Craig County, Roanoke City and County, and the City of Salem.

Early Intervention averages per month for 2022:



POPULATION HEALTH

The mission of the RCAHD Population Health division is to work with partners to overcome health inequities to allow RCAHD residents to achieve optimal health.

HIGHLIGHT

- In 2022, Population Health staff increased their focus on building community partnerships to better address local social determinants of health.

MATERNAL & CHILD HEALTH

HOME VISIT PROGRAM

RCAHD promotes home visits to improve maternal child health outcomes and support families with young children. Partners include CHIP of Roanoke Valley, Healthy Families (a program of Children's Trust), and RCAHD's Baby Care program. Home visiting program partners served 435 families to improve health and social outcomes for parents and children. Activities in 2022 included:

- Creation of a referral matrix to direct families to healthcare provider and community services.
- Production of an English-and Spanish-version flyer and provider video to promote home visiting services.
- Monthly meetings among the home-visiting partner agencies to enhance referral and coordination of services.

TEEN PREGNANCY PREVENTION & ADOLESCENT HEALTH

RCAHD hosted a May summit to address teen pregnancy prevention.

- 49 professionals representing 20 local organizations participated.
- The Teen Pregnancy Prevention Collaborative was established, averaging 15 community partner participants per monthly gathering.

RCAHD launched a social media campaign (earning 683,004 impressions and 6,076 clicks) to educate parents about resources for addressing teen pregnancy.

INFANT AND CHILD SAFETY

RCAHD participates in a statewide car seat safety and safe sleep education program that also provides child safety seats and portable cribs free of charge to eligible families

Safe Sleep

- In 2022, RCAHD launched a media campaign to promote the ABCs of Safe Sleep.
- 62 participants received a portable crib and sleep sack to empower safe sleeping after attending a safe sleep class.

Car Seat Safety

Families are connected with necessary resources to comply with state laws for safely transporting infants and children in vehicles. The class is taught by a Low Income Safety Seat Distribution and Education Program (LISSDEP) Educator, and is also offered in Spanish. Demand for car seat education in Roanoke City increased 60% in 2022.

2022 Car Seat Distribution & Education

Alleghany / Covington	19
Botetourt	17
Craig	4
Roanoke City	210
Roanoke County	24
Salem	32

Lead Poisoning Prevention

- RCAHD worked with Lead Safe Roanoke and Roanoke Valley TV to promote a lead safety campaign for families with young children at risk of lead poisoning.

SUBSTANCE USE DISORDER

In 2022, RCAHD ramped up overdose education and availability of naloxone (Narcan) to the public, launched a new program to distribute fentanyl test strips, and partnered with our harm reduction and peer recovery programs for outreach. We are active partners of local prevention coalitions such as the Collective Response, the Healthy Roanoke Valley Mental Well-Being workgroup, Connection 2 Care, and the EMS Community Risk Reduction workgroup.

- In partnership with the Office of Emergency Management Services, we have utilized a data-mapping software tool to better support harm reduction and peer recovery program activities.

Over 360



Individuals trained
in overdose education

 = 100 Residents

Over 500



Boxes of naloxone were
provided to residents

 = 100 boxes of naloxone

HEALTHY BEHAVIORS

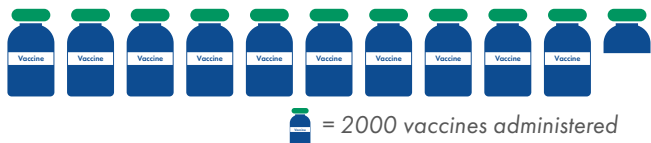
RCAHD joined with the Virginia Walkability Action Institute to improve walkability safety and accessibility around the new Melrose Plaza grocery store and other resources in northwestern Roanoke City. Additional partners included Northwest Faith Partnership, Carilion Clinic, Roanoke Valley & Alleghany Regional Commission, and the City of Roanoke.


OUTREACH AND CARE COORDINATION

RCAHD employed an Outreach and Care Coordination team to provide health education in the community.

21 K+

Vaccines administered at office,
off-site and mobile locations



 = 2000 vaccines administered

194

Outreach Events hosted

 = 20 events hosted



RCAHD partnered with community agencies to reach targeted, under-served audiences to offer hepatitis A, COVID, and flu vaccines to our neighbors who use drugs or who may be unhoused.

- Outreach vaccination partners included: Virginia Harm Reduction Coalition, Drop-In Center, Fralin Free Clinic, Bradley Free Clinic, and New Horizons Healthcare.



- RCAHD leveraged American Rescue Plan Act funds to support nine community partners' efforts to promote COVID vaccination. Those partners organized 48 outreach events and 29 mobile vaccine clinics where they administered 906 vaccines and provided transportation for 80 vaccine appointments.

COMMUNITY HEALTH ASSESSMENT & IMPROVEMENT

HEALTHY ROANOKE VALLEY

RCAHD is a core partner implementing each area of the Healthy Roanoke Valley strategic framework, with staff serving as chair and committee members. A stakeholder collaboration of health and human service agency leaders and RCAHD staff- the Community Health Action Team (CHAT)- worked together to collect, analyze, and interpret data.

Community feedback gathered in 2021 guides ongoing efforts to address three priority areas:

- Mental well-being
- Healthy behaviors
- The impact of COVID-19

LIVE WELL ALLEGHANY HIGHLANDS

The Live Well Alleghany Highlands steering committee led by RCAHD staff represents 20 local governments, schools, community agencies, colleges, non-profits, and other stakeholders. The focus of the group is on identifying health disparities, the needs of vulnerable populations, and unmet health and human services needs.

- In 2022, the Knowledge of Resources committee worked to refresh and reprint the Alleghany Highlands Resource Guide to promote information about community resources. Copies of the full guide and postcards with QR codes have been shared throughout the community and are available on our website.
- The Substance Use committee supports the Alleghany Highlands Healthy Youth Coalition and activities such as Drug Take Back Day as well as promoting REVIVE! and naloxone distribution in Alleghany and Covington. Partners have worked together to launch a drug court that supports individuals with substance use disorder in the court system.
- Using strategies of teacher coaching and social-emotional learning, implementation partner Alleghany Highlands Early Learning Partnership (AHELP) boosted the reading outcomes of third graders in Covington between 2019 and 2022, despite COVID-related decreasing statewide trend during the same period



VITAL RECORDS

The mission of the RCAHD Vital Records program is to assure access to essential documents, including birth and death certificates.

HIGHLIGHTS

- In 2022, over 27,000 documents were provided to RCAHD residents.

2022 VITAL RECORDS REQUESTS BY SITE

Certified copies of birth, death, marriage, and divorce certificates can be obtained from the Virginia Department Health (as long as the event occurred in Virginia).*

2022	Alleghany/ Covington	Botetourt	Craig	Roanoke City	Salem	Total
Birth Certificates	85	52	52	1660	298	2,147
Death Certificates	2,384	1,562	410	12,586	8,200	25,142
Death Verifications	-	2	-	50	43	95
Divorce Certificates	-	-	2	4	-	6
Marriage Licenses	4	12	9	42	31	98

*The Roanoke County/ Vinton office does not offer Vital Records services.

Applications for Vital Records can be made oneself or for an immediate family member, with valid identification by the following methods:

IN PERSON

Applications can be made at most RCAHD local health department offices during regular business hours. Please bring a valid ID.

ONLINE

Online applications are accepted through the VDH website at <https://www.vdh.virginia.gov/vital-records/>

BY MAIL

Print a vital record application at home and mail it to: Division of Vital Records, PO Box 1000, Richmond, VA 23218-1000. Enclose a check or money order for \$12.00 for each requested copy.

The fee for each vital record is \$12 per certificate or search.

WOMEN, INFANTS & CHILDREN (WIC) PROGRAM

The mission of the RCAHD Special Supplemental Nutrition Program for Women, Infants and Children (WIC) is to improve the health of low income pregnant, post-partum, or breastfeeding women, as well as infants and children under the age of 5, through better nutrition and access to health care.

HIGHLIGHTS

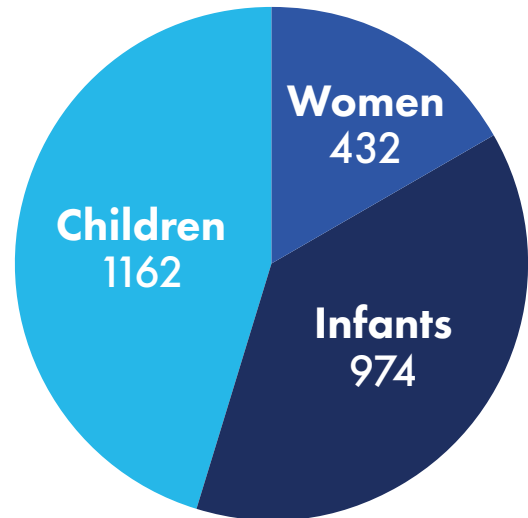
- During 2022, WIC continued to serve a record number of clients through the expanded use of virtual visits.

AVERAGE NUMBER OF INDIVIDUALS SERVED PER MONTH

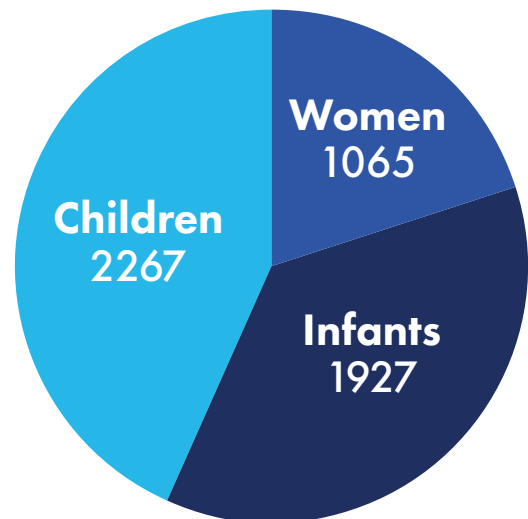
WIC provides nutrition education, breastfeeding support, access to healthy foods and referrals to other needed health-related services.

Alleghany Health District	Women	Infants	Children
Alleghany/Clifton Forge	23	26	71
Alleghany/Covington	36	49	119
Botetourt	37	40	109
Craig	24	29	50
Roanoke County	67	79	222
Salem	150	154	379
Roanoke Health District	Women	Infants	Children
Belmont WIC Clinic	186	218	542
Roanoke City Health Department	358	369	1055
First Church of the Brethren WIC	214	234	560

Total Served - Alleghany District*



Total Served - Roanoke City District*



*Total number of individuals served in Federal Fiscal Year Oct 2021 - Sept 2022





ROANOKE CITY
and ALLEGHANY
HEALTH DISTRICTS

Your Partner in Community Wellness