

# Use of a Patient-Facing Digital Platform to Aid in Genetic Test Result Delivery and Connection to Genetic Counseling Services



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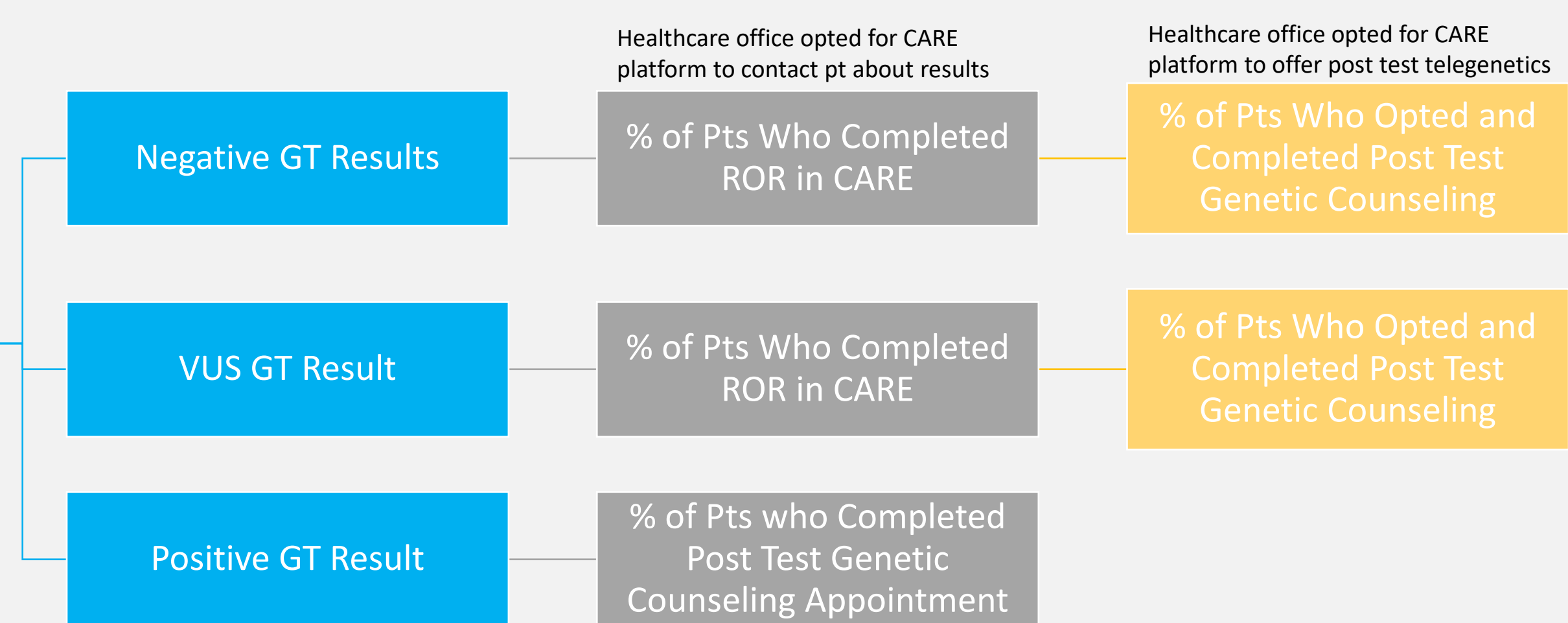
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## BACKGROUND

- Digital tools have been proposed as a method to augment traditional genetic counseling and reduce burden on healthcare professionals for population hereditary cancer risk screening and testing.
- The Ambry CARE Program™ (CARE) is a patient-facing digital risk stratification tool (DRST) to collect/analyze personal and family history, identify individuals who meet national guidelines for genetic testing, and aid in pre-test and post-test patient care and management
- Here we review the use of this DRST to return of genetic test results and track patient attendance of telegenetic counseling

## METHODS

**41,929 Patients Reviewed**  
 Females  $\geq 18$ yo  
 Had Genetic Testing (GT) from 8/2018-10/2023  
 HealthCare office with Return of Results (ROR) Managed by CARE



## RESULTS

### The CARE Communication of Genetic Test Results and Connection to Telegenetics for All Patients

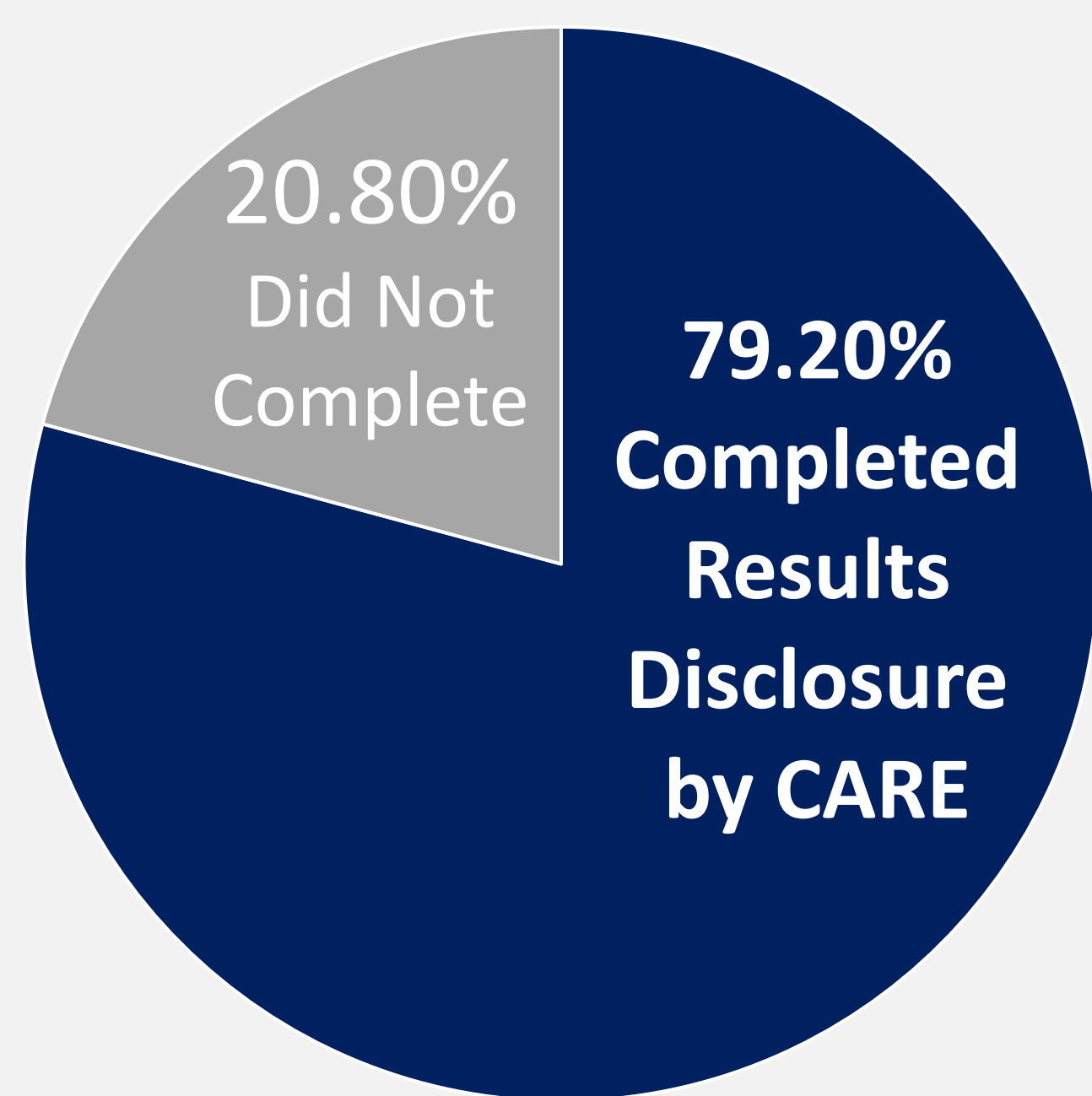


FIGURE 1  
 Percent of Clinical Cases With Negative or VUS Results Disclosed by CARE Directly to Patients (Total 39,312 Patients)

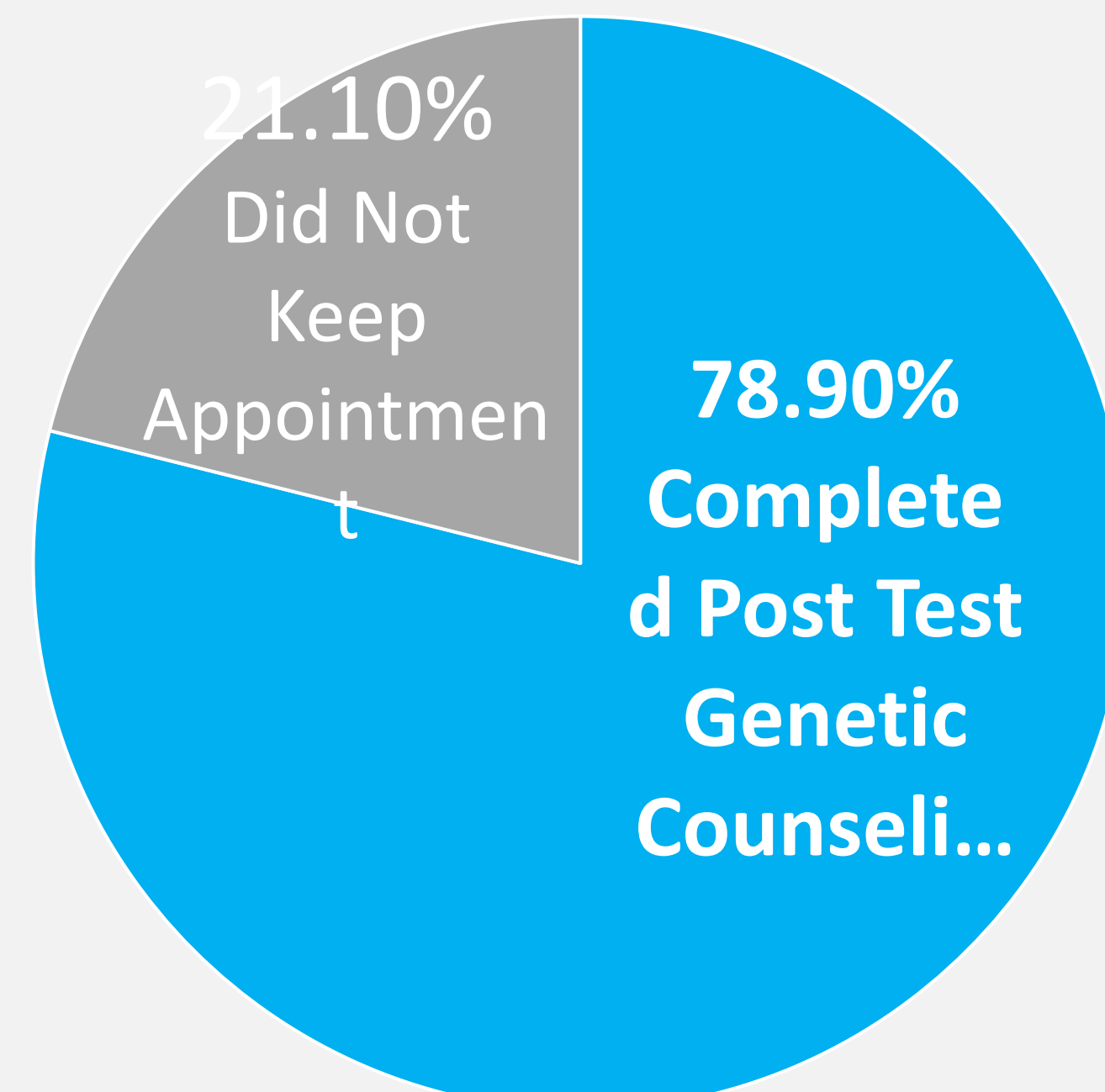


FIGURE 2  
 Percent of Clinical Cases With Negative, VUS, or Positive Results Who Completed Genetic Counseling Session (Total 3,697 Patients)

## TAKE HOME POINTS

### The Ambry CARE Program™

- provided a standardized workflow
- supported healthcare providers in delivering hereditary cancer test results.
- enabled patients to access genetic counseling

The findings suggest that it is feasible and acceptable to patients to leverage digital tools to return genetic test results and schedule telegenetics consultations



### CARE Communication of Genetic Test Result and Connection to Telegenetics by Test Result

#### CARE Management of Negative Test Results

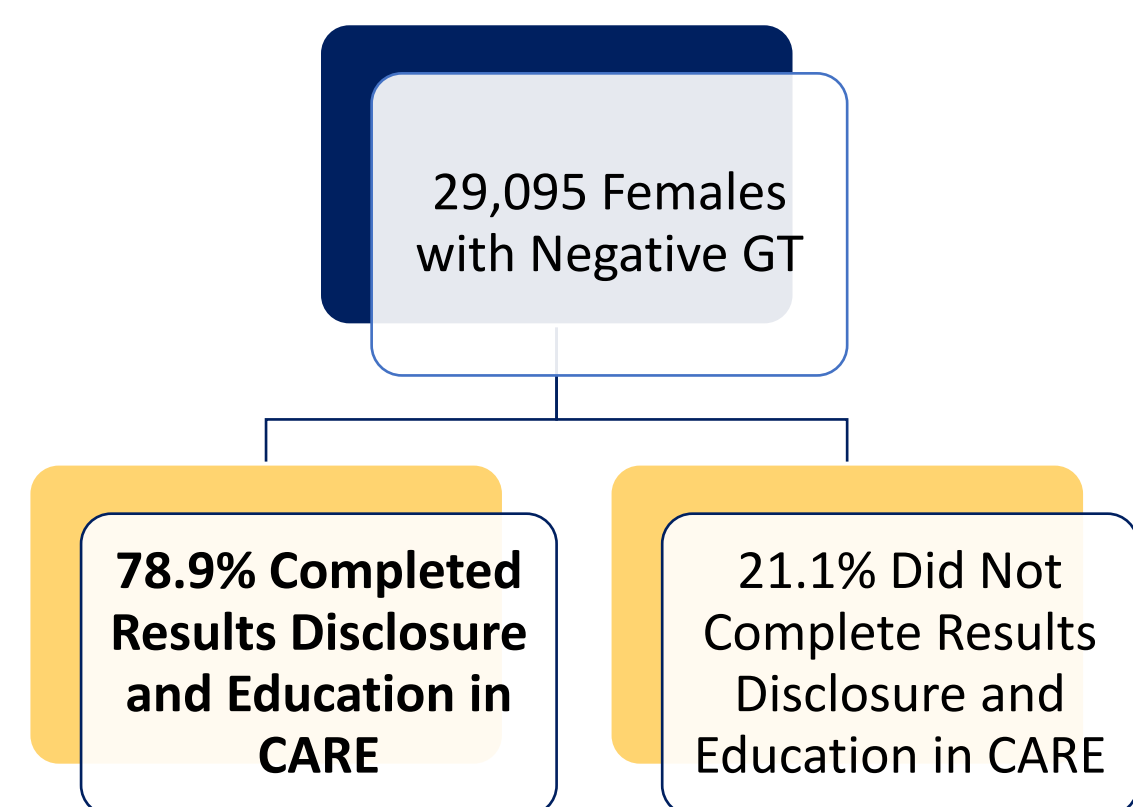


FIGURE 3  
 Results Returned to Patient with Negative Result via CARE

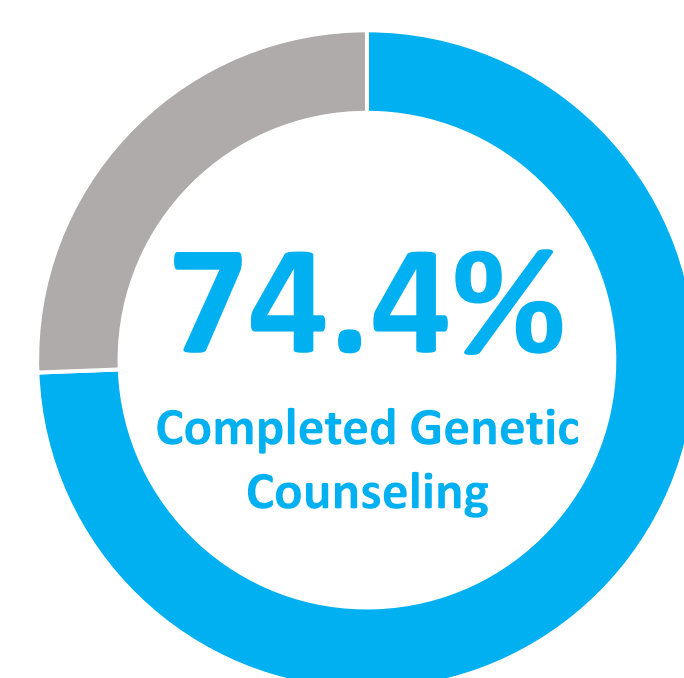


FIGURE 4  
 Completion of Genetic Counseling Appointment for the 511 Females Who Were Offered an Appointment After Negative Result

#### CARE Management of VUS Test Results

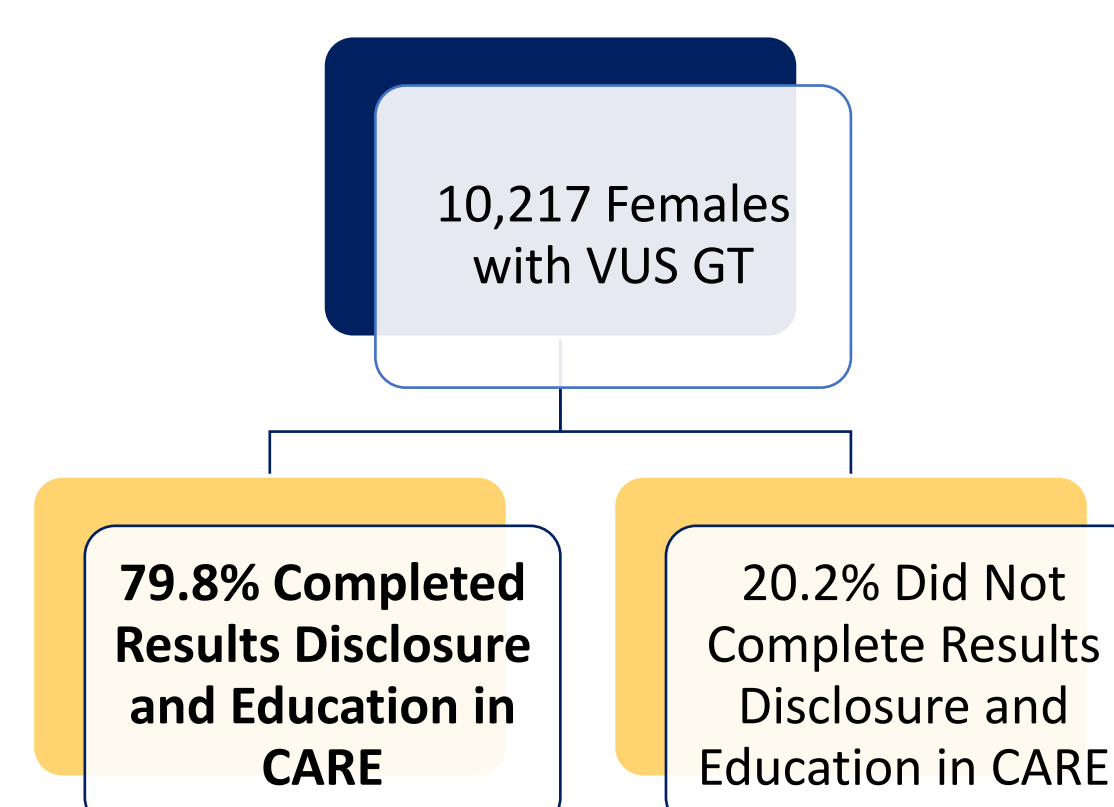


FIGURE 5  
 Results Returned to Patient with VUS Result via CARE

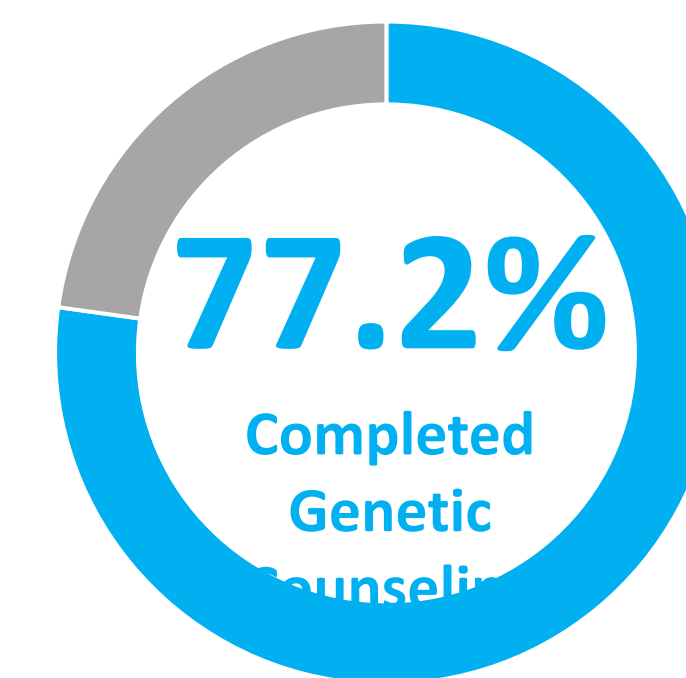


FIGURE 6  
 Completion of Genetic Counseling Appointment for the 569 Females Who Were Offered an Appointment After VUS Result

#### CARE Management of Positive Test Results

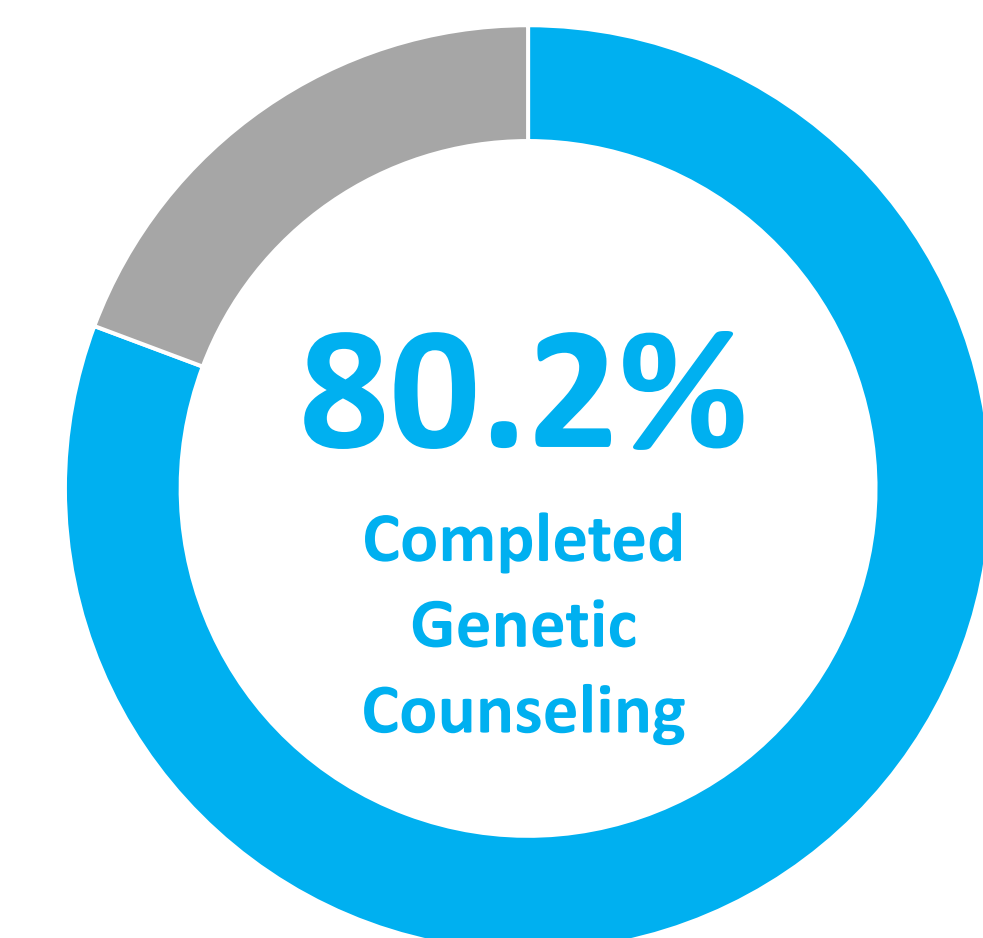


FIGURE 7  
 Completion of Genetic Counseling Appointment for the 2,617 Females Who Were Offered an Appointment for Positive Result Disclosure