

# consutling

Zhihui Zhang

3/28/2022

## **Introduction**

The main purpose of this project is evaluating the genetic counseling and germline genetic testing process within the pancreatic adenocarcinoma patient population at Roswell Park Comprehensive Cancer Center. We are mainly interested in investigating the reasons that patients opt out of genetic testing and genetic counseling and the trend of referral rate after the guideline came out. The report can be divided into three parts. The first part will analyze the reason in each step on why people drop out. The second part will focus on the overall trend of the referral rate for 30 months. The third part will compare the referral rate before and after the genetic center offered telehealth and help to answer the question whether people prefer telehealth to in-person meeting.

## **Data Processing**

### **I.Referral rate and its analysis**

The overall referral rate is 0.3548387. There are 55 patients ordered the germline genetic test among 155 patients. We will divide the referral process into four parts and analyze the reasons of dropping of during each part.

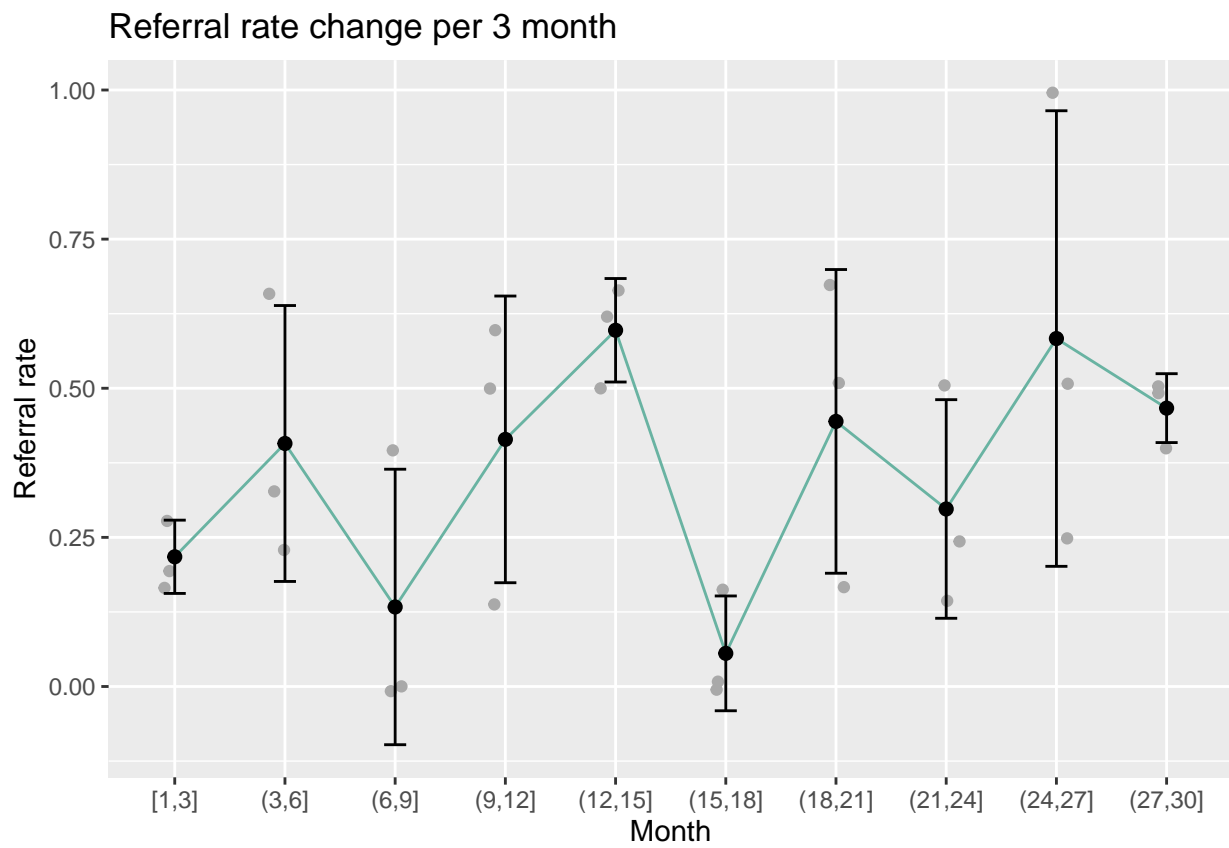
Part.I

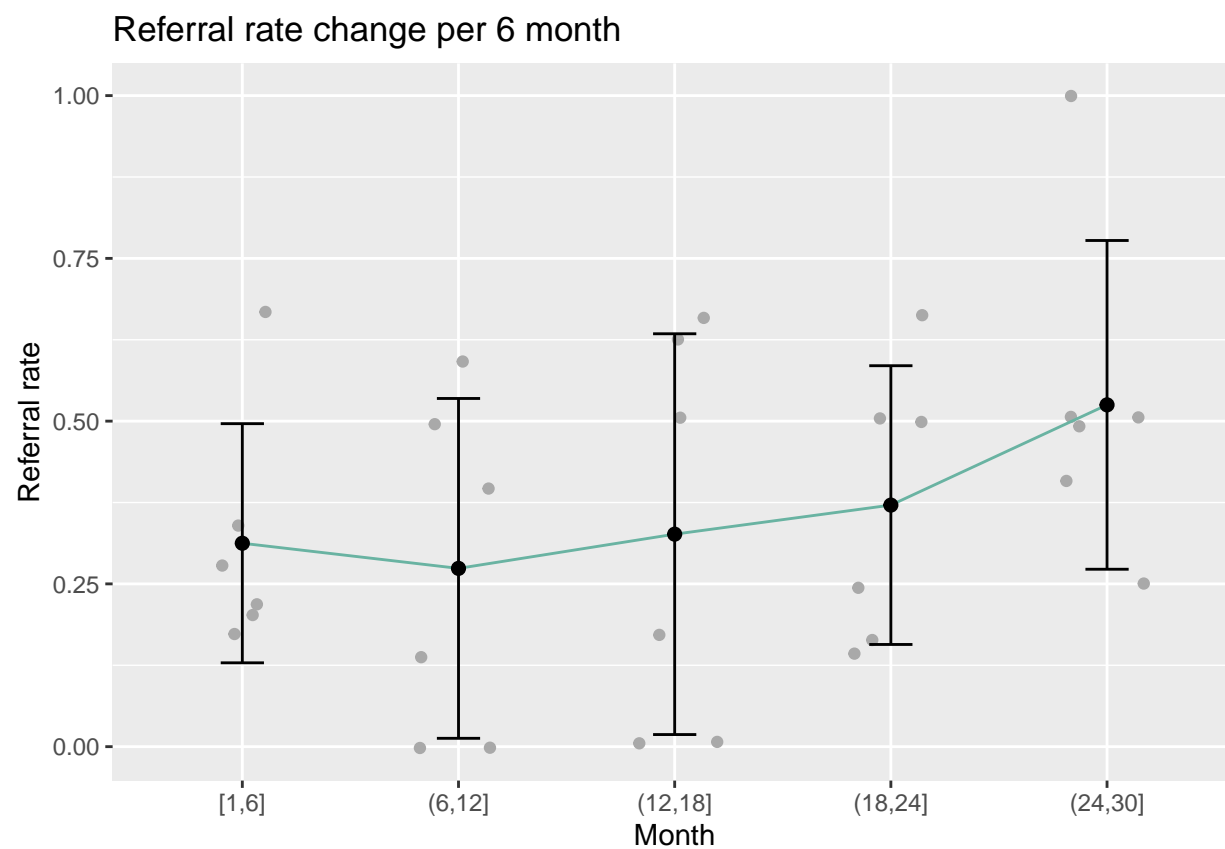
Part.II

Part.III

Part.IV

## II. Change of referral rate





### III.Virtual/Teleheath Impact

In this part, we want to investigate if there is any difference of the referral rate before and after telehealth is provided as an preference options for the patients.

Period	Total number of patients	Number of patients who placed a referral	Number of Patients who scheduled a meeting	Number of patients who attended the meeting	Number of Patients who ordered the test	Referral rate
Before	120	82	55	40	37	0.3083
After	35	29	26	18	17	0.4857
Telehealth	-	-	17	14	13	-
In-person	-	-	5	4	4	-
NA	-	-	4	0	0	-
Total	155	111	81	58	54	0.3484

#### IV. Analysis on second opinion patients

Among 65 patients who had second opinion, 3 of them still ordered the germline genetic testing.

Period	Total number of patients	Number of patients who placed a referral	Number of Patients who scheduled a meeting	Number of patients who attended the meeting	Number of Patients who ordered the test	Referral rate
Before	65	11	8	6	3	0.04615

## Appendix