

Bone Health Assessment Protocol in Men with Prostate Cancer

Anthony Cunningham

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Background

- ▶ Men with Prostate Cancer are typically treated with ADT
- ▶ Major Side Effect: Lower Bone Densities
- ▶ ADT Patients' Recommended Evaluation Protocol
- ▶ Rikka's Clinic had not strictly adhered to this (Why?)

Rikka's Treatment

- ▶ In response, Rikka implemented a streamlined referral process that, with one click, ordered all four lab tests and scheduled the patient with a bone health specialist.
- ▶ Patient Data Collected Oct.-Dec. of 2016-2018
 - ▶ 2017: 69 Total Patients (25 New)
 - ▶ 2018: 76 Total Patients (15 New)
- ▶ 2016 Data not used per recommendation
- ▶ Rikka collected relevant data only on New Patients

Objectives

- ▶ Increase in proportion of patients referred to bone health specialist
- ▶ Increase proportion of patients who undergo the complete lab set
- ▶ Increase urologist knowledge and decrease perceived barriers to implementing proper bone health assessment protocols

Objective 1: Increase Patient Referrals

- ▶ Problem: Rikka does not have data about ADT Patients who have not been referred; cannot compare proportions of referred vs not referred
- ▶ Subset: New Patients (Patients' Initial Meeting with Rikka)
 - ▶ 2017: 25 New Patients
 - ▶ 2018: 15 New Patients
- ▶ Compare proportion of New Patients Seen within 90 Days of Initial ADT treatment

Objective 1 (Cont.)

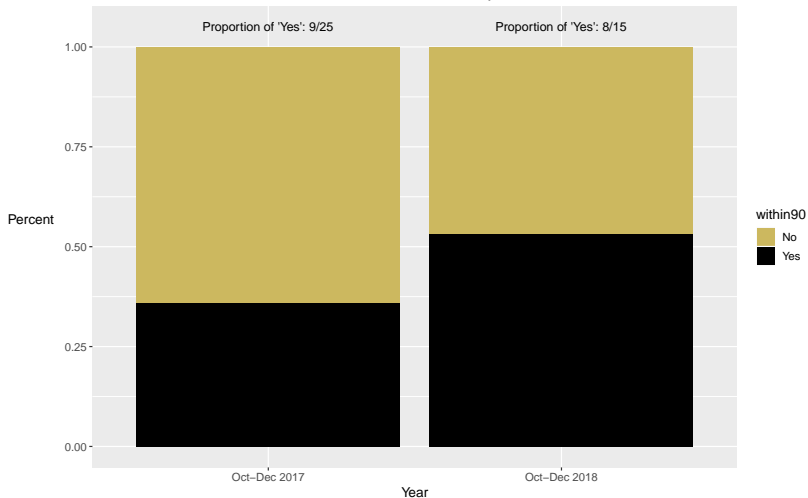
##	Post	Pre	Total
## Within 90	8	9	15
## Not Within 90	9	16	25
## Total	15	25	40

```
##
## Fisher's Exact Test for Count Data
##
## data:  within90
## p-value = 0.3355
## alternative hypothesis: true odds ratio is not equal to
## 95 percent confidence interval:
##  0.4579231 9.0728366
## sample estimates:
## odds ratio
##  1.994996
```

Objective 1 (Cont.)

Figure 2.

Proportion of New Patients Seen Within 90 Days
of Initial ADT Treatment, By Year

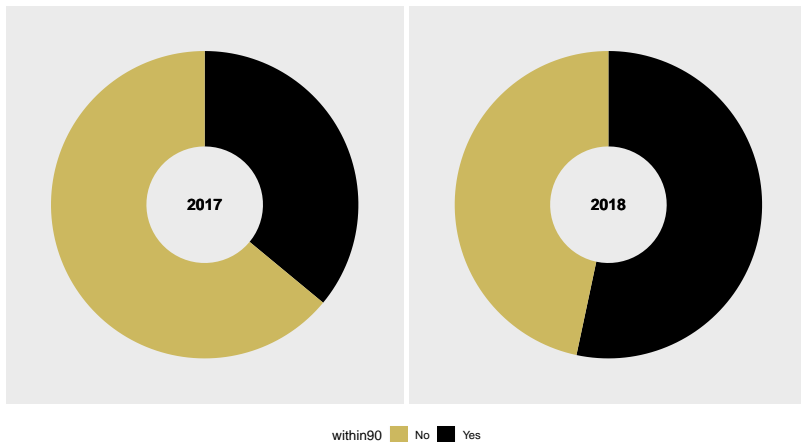


Objective 1 (Cont.)

Figure 2.

Proportion of New Patients Seen Within 90 Days
of Initial ADT Treatment, By Year

Note: Patient Data Collected October–December Within Each Year



Objective 2: Increase Proportion of Complete Lab Sets

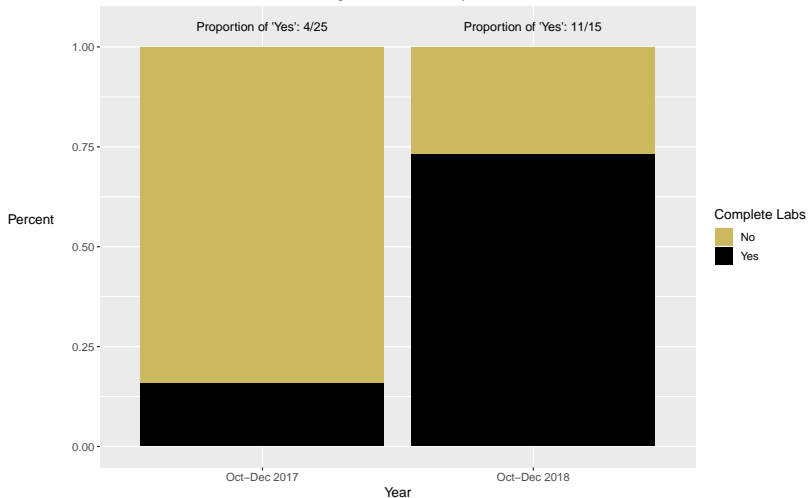
##	Post	Pre	Total
## Complete Set	11	4	15
## Incomplete Set	4	21	25
## Total	15	25	40

```
##
## Fisher's Exact Test for Count Data
##
## data:  labs
## p-value = 0.0005373
## alternative hypothesis: true odds ratio is not equal to
## 95 percent confidence interval:
##  2.458741 92.936149
## sample estimates:
## odds ratio
## 13.18251
```

Objective 2 (Cont.)

Figure 1.

Proportion of Complete vs Incomplete Lab Sets
Among New Patients, By Year



Objective 2 (Cont.)

Figure 1.

Complete vs Incomplete Lab Sets:
Proportion of New Patients, By Year

Note: Patient Data Collected October–December Within Each Year

