



**TEXAS**  
Health and Human  
Services

**Texas Department of State  
Health Services**

# 60 Day and 90 Day supply Analysis

Ann Robbins

Department of State Health Services

TB/HIV/STD Section

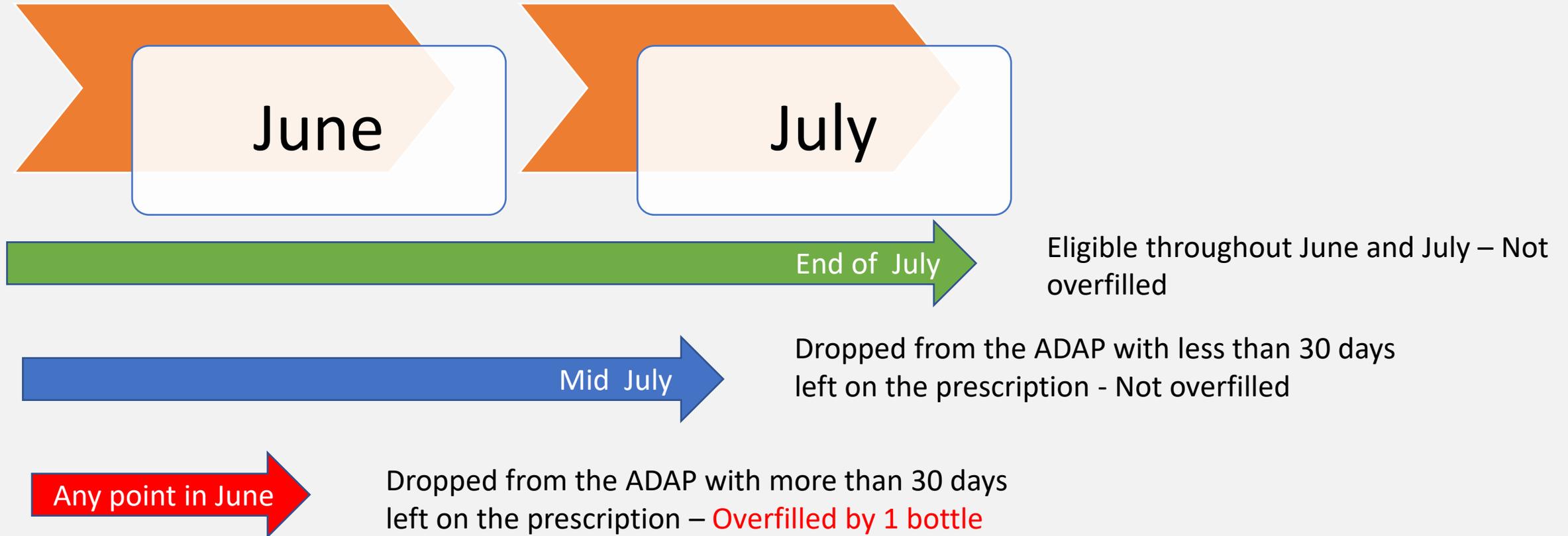
1/28/2022

## Cost implications of 60 and 90 medication fills

- “Excess” costs occur when a participant who has filled a 60 or 90 day prescription drops from the program before the prescription runs out
- “Overfill” is when a participant has more than 30 days worth of drugs at the time they are dropped
- The most common reason for the drops are failure to respond to requests for self attestation or recertification of eligibility

# What is considered an 'overfill' of a 60-day prescription

Shante fills a 60-day prescription on June 1



# What is considered an 'overfill' of a 90-day prescription

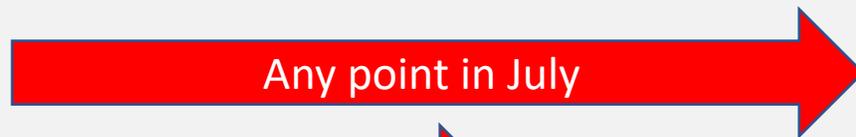
Michael fills a 90-day prescription on June 1



Eligible throughout June, July and August – Not overfilled



Dropped from the ADAP with less than 30 days left on the prescription - Not overfilled



Dropped from the ADAP with more than 30 days left on the prescription – **Overfilled by 1 to 2 bottles**



## Methods of overfill cost analysis for 60 and 90 day prescriptions

- Data on 90 day prescriptions was drawn from April 2019 through February 2021
  - We determined how many potential overfills occurred by counting the number of participants in this time period with at least one 90 day prescription
    - We separated out those who dropped out of the ADAP before a 90 day fill ran out
    - We focused on those with more than 30 days left in the prescription (overfills)
    - This got expressed as 30 day bottles
    - We compiled the costs for the number of overfill bottles and divided by the number of participants with overfills to get a per participant overfill cost
  - Data on 60 day prescriptions was drawn from March 2020 to October 2020
    - Same methodology was used for 90 day prescriptions to determine per participant overfill cost

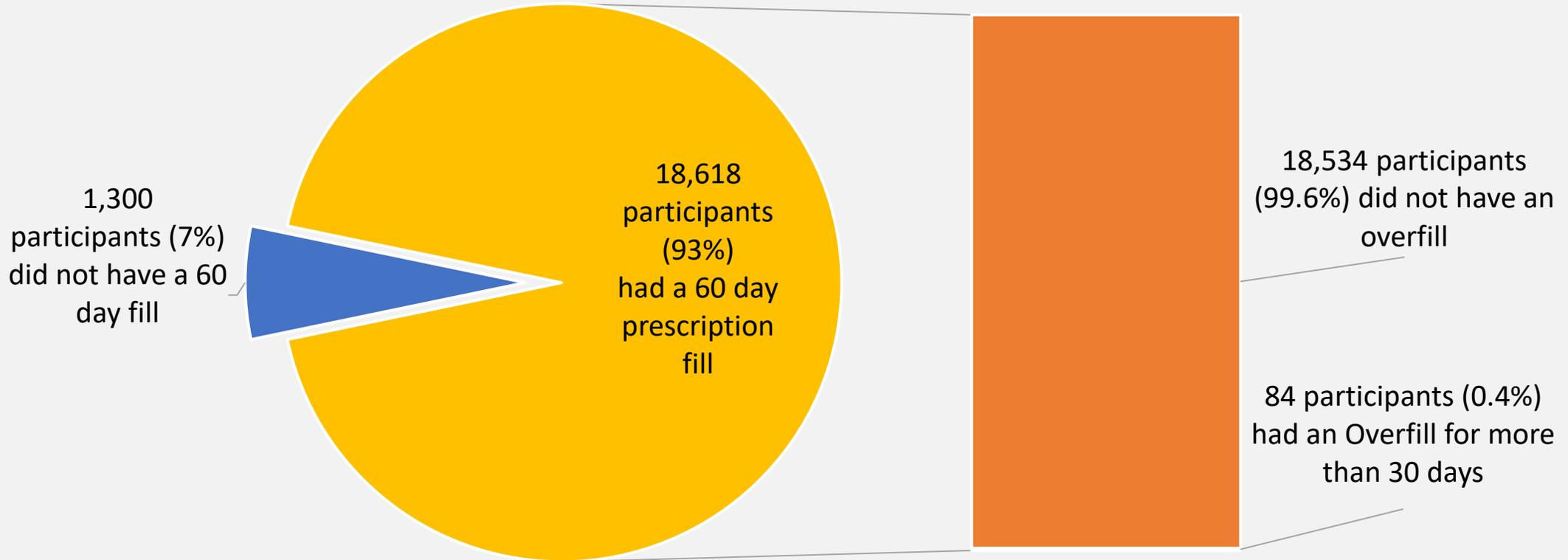
## Per participant overfill costs for 60 and 90 day prescriptions

- While 60 day fills were more common, they were less likely to result in an overfill
  - Less than 1% of participants with 60 day prescriptions had an overfill
  - To have an overfill of a 60-day fill, the participant would have to drop from the program in the first 30 days of the fills
  - Per participant overfill expenditure was about \$866
- Overfills of 90-day prescriptions were also rare
  - About 6% of the participants with 90-day fills had an overfill
  - Per participant overfill expenditure was about \$1211

# Examining 60 day fills



# 19,918 ADAP participants filled a prescription from March to October 2020



Estimated cost of 'overfilled' 60-day prescriptions during the study period (March 2020 to October 2020)

**\$72,753**

was expended on the 'overfills' **that were** greater than 30 days  
for **84** participants

**\$866 per participant with an overfill**

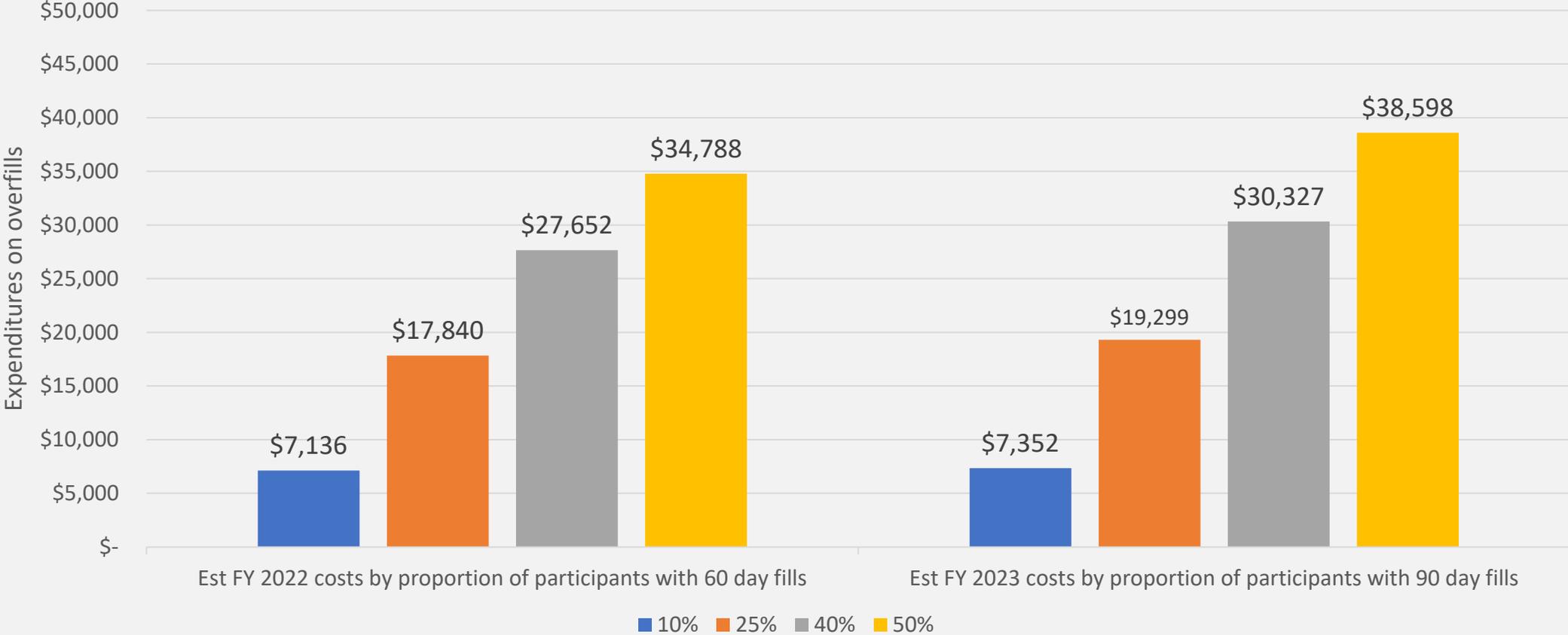
## Estimates of expenditures on overfills of 60-day prescriptions

- We examined how the volume of 60-day fills would impact expenditures if different proportions of projected ADAP participants in FY2022 and FY2023 used 60-day fills
- During the study about 0.4% of those with a 60-day fill had an overfill of more than 30 days
  - This figure was used to estimate the number of clients with an overfill
- We adjusted the per participant cost of the overfill to reflect predicted expenditure increases of 3% a year

## Example: projected participants and expenditures for FY 2022 (as of November projections)

<b>Projected unique ADAP participants</b>	<b>19,521</b>			
% of participants with 60-day fills	10%	25%	40%	50%
Projected participants with 60-day fills	1,952	4,880	7,808	9,761
Projected participants with overfills	8	20	31	39
Est overfill cost per client	\$892			
Total overfill expenditures	\$7,137	\$17,842	\$27,655	\$34,792

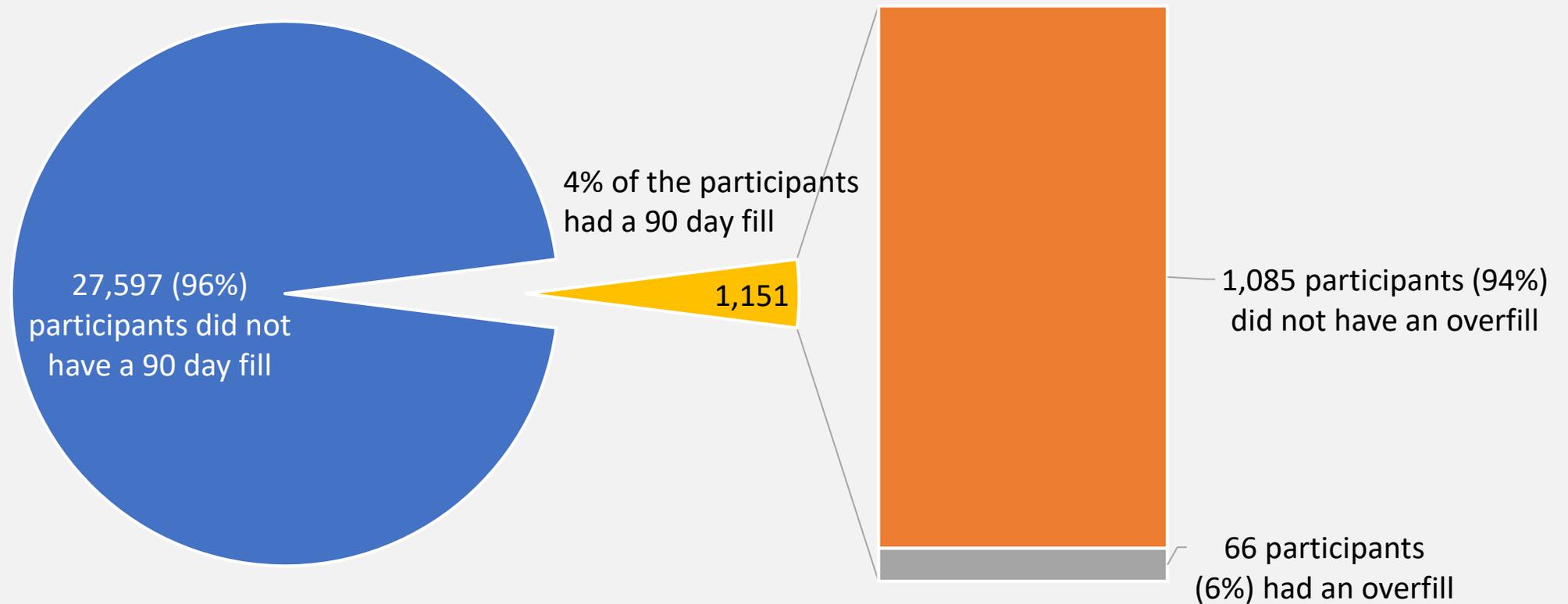
If half of ADAP participants in FY 2022 and 2023 used only 60-day fills, the estimated additional expenditures would be between \$35K and \$39K



# Examining 90 day fills



# 28,748 ADAP participants filled a prescription from April 2019 to February 2021



# Estimated cost of 'overfilled' 90 day prescriptions

**\$73,979**

was expended on the 'overfill' bottles  
for **66** participants with 90 day  
prescriptions

**\$1,211** per participant with an overfill

## Projecting costs depends on how many participants use 90 day fills

- We estimated overfill costs if 10%, 25%, 40% and 50% of projected ADAP participants in FY 2022 and 2023 used 90 day fills
  - An overfill is when a participant with a 90 day fill is dropped from the program with more than 30 days of medication left on the prescription
- During the study period about 6% of the participants who had a 90 day fills had an overfill, so we used that to estimate the number of clients with an overfill
- We adjusted the per participant cost of the overfill to reflect predicted expenditure increases of 3% a year

## Example: projected participants and expenditures for FY 2022 (as of November projections)

<b>Projected unique ADAP participants</b>	<b>19,521</b>			
% of participants with 90 day fills	10%	25%	40%	50%
Projected participants with 90 day fills	1,952	4,880	7,808	9,761
Projected participants with overfills	125	312	500	625
Est overfill cost per client	\$1,155			
Total overfill expenditures	\$ 144,375	\$ 360,360	\$ 577,500	\$ 721,875

# Estimated costs associated with 'overfills' on 90 day prescriptions depends on the number of participants who use them

