Title

Authors

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# Protocol Synopsis

Edit here for protocol synopsis

## Project Organizational Chart, Personnel

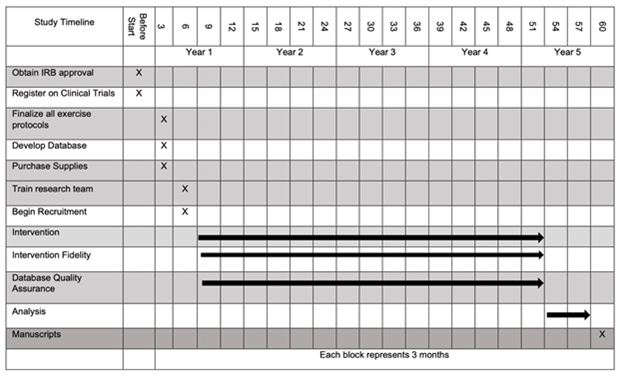
The org chart file can be found here P:/IRB\_STUDY0011132\_Cohort/RIS\_code/DSMC/data/dsmc\_report/org\_chart.xlsx. Please edit and save the file to update.

| **Personnel** | **Role** | **Team** |
| --- | --- | --- |

## Brief Statement of Purpose of Trial

Please add the purpose below to fit the needs of your project.

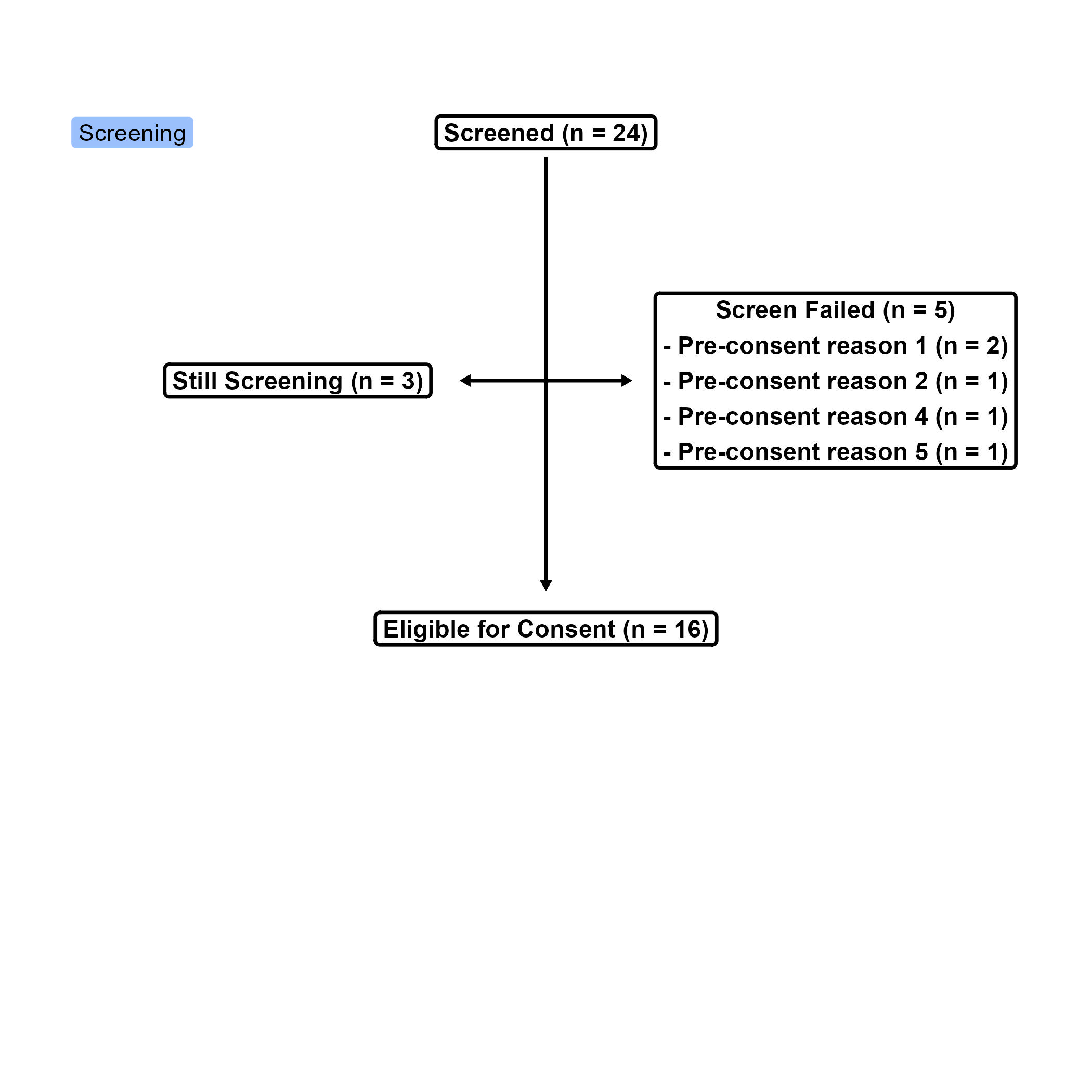
## Projected Timetable and Schedule

To import a project timeline, save a .png file over this file: P:/IRB\_STUDY0011132\_Cohort/RIS\_code/DSMC/data/dsmc\_report/project\_timeline.png 

# Recruitment and Participant Status: Figures and Tables

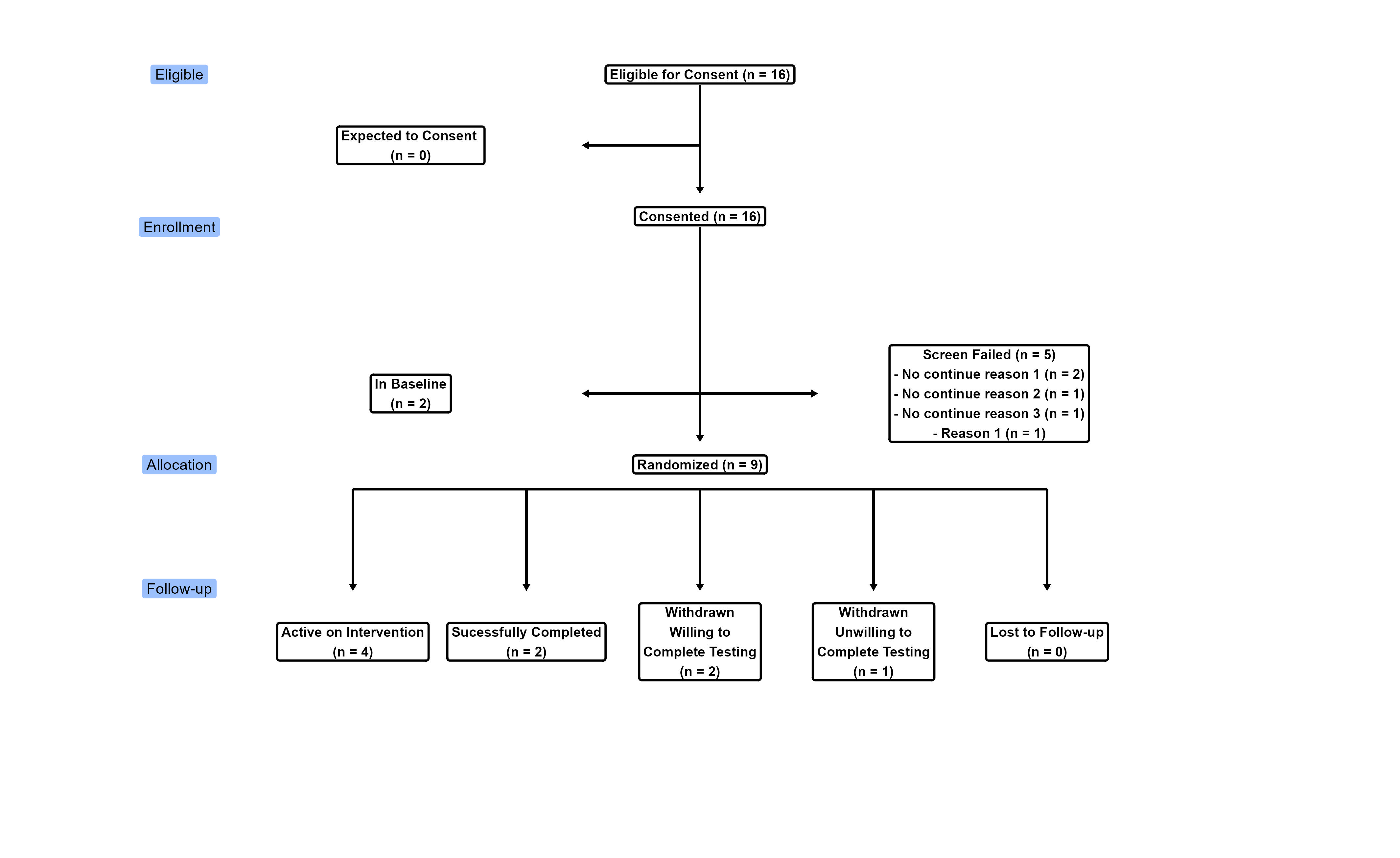
## Figure 1a: Screening Consort Diagram

Date as of: May 22, 2024



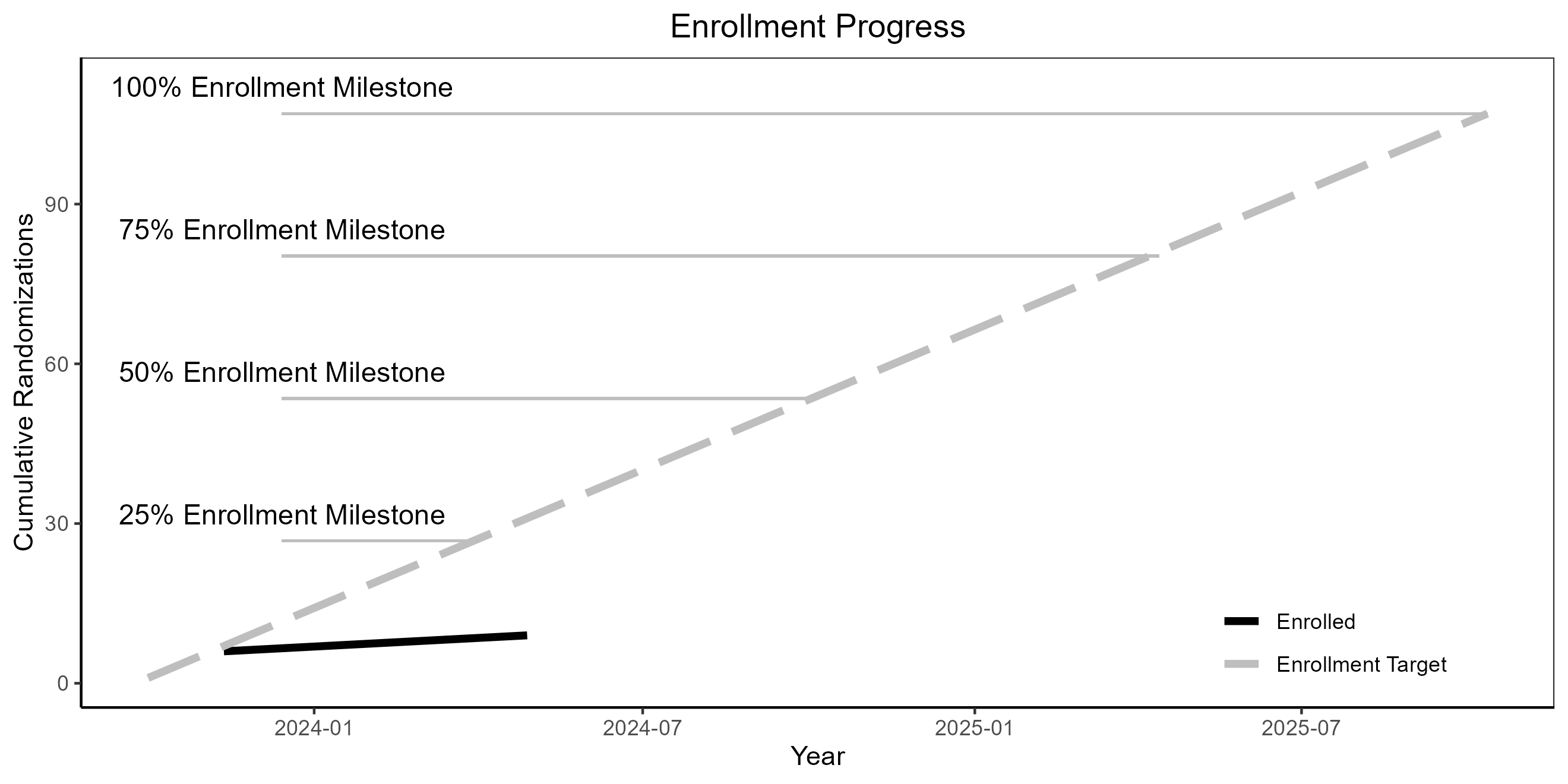
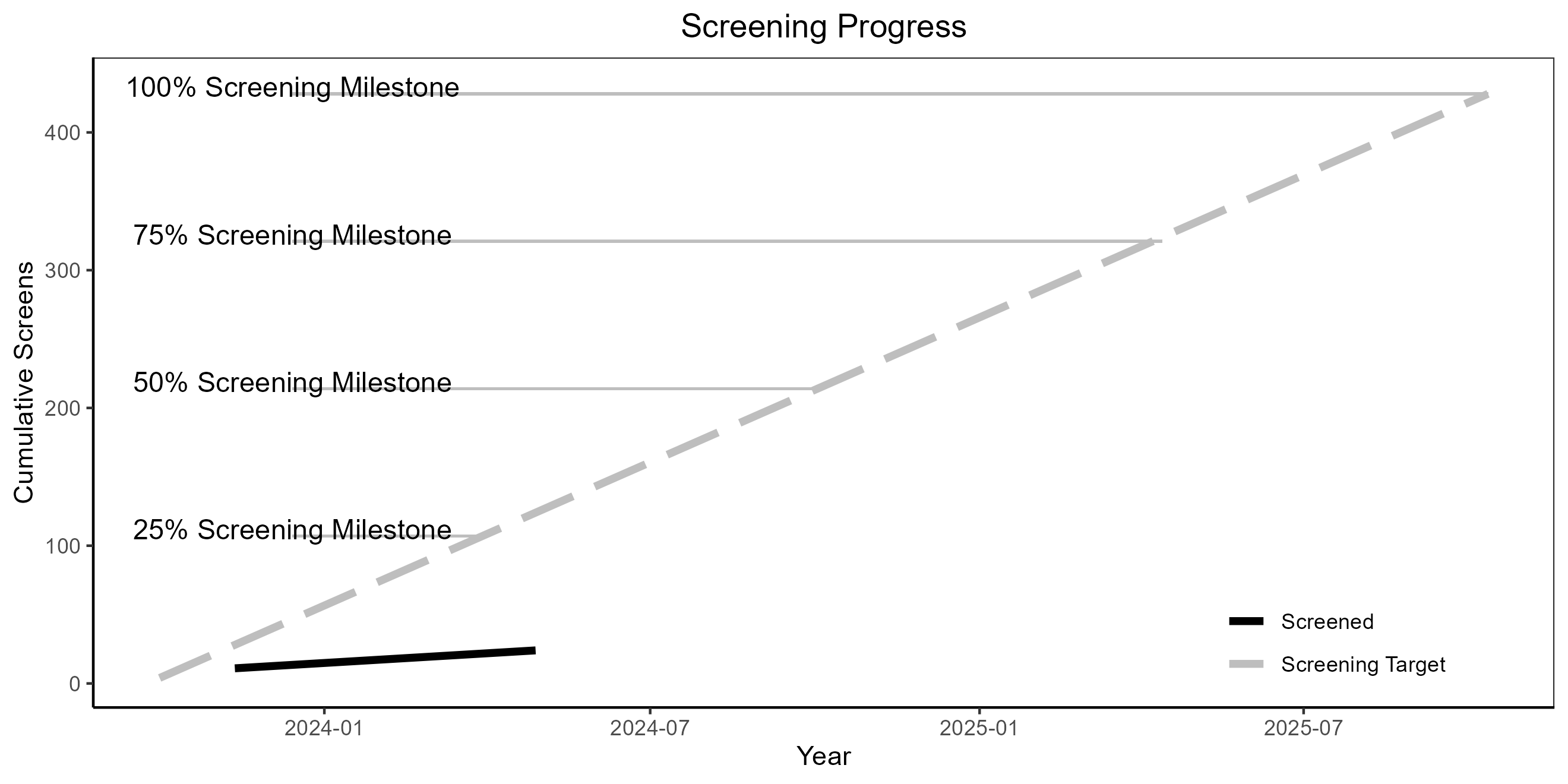
## Figure 1b: Enrollment Consort Diagram

Date as of: May 22, 2024



## Figure 2: Enrollment: Actual vs. Expected

Date as of: May 22, 2024



## Table 1: Participant Enrollment Status

Date as of: May 22, 2024

| Participant Enrollment Status (N = 9) | | |
| --- | --- | --- |
| Status | N | Percent |
| Pre-Intervention | 0 | 0% |
| Active | 4 | 44% |
| Completed | 2 | 22% |
| Discontinued Treatment/Follow-up Continued | 2 | 22% |
| Discontinued from Study | 1 | 11% |
| Lost to Follow-up | 0 | 0% |

### Reasons for Intervention Discontinuation

|  | **N = 3**1 |
| --- | --- |
| Reason |  |
| Dissatisfaction | 1 (33%) |
| Injury | 1 (33%) |
| Time | 1 (33%) |
| 1n (%) | |

## Table 2: Reasons for Screen Failures

Date as of: May 22, 2024

### Phone-screen Screen Fails: By Race

| Phone-screen Screen Fails | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **Overall**, N = 41 | **Asian**, N = 11 | **Middle Eastern or North African**, N = 11 | **Native Hawaiian or Other Pacific Islanders**, N = 11 | **Other**, N = 11 |
| Reason |  |  |  |  |  |
| Pre-consent reason 1 | 1 (25%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (100%) |
| Pre-consent reason 2 | 1 (25%) | 1 (100%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Pre-consent reason 4 | 1 (25%) | 0 (0%) | 0 (0%) | 1 (100%) | 0 (0%) |
| Pre-consent reason 5 | 1 (25%) | 0 (0%) | 1 (100%) | 0 (0%) | 0 (0%) |
| 1n (%) | | | | | |
| n - Number of listed screen-fail reason.   (%) - Percent is calculated by dividing the number of a given reason (n) by the number of a racial or ethnic category (N).   This table is primarily used to examine racial differences for screen failing so that barriers to entry can be addressed. | | | | | |

### Phone-screen Screen Fails: Percentage of Total Screened

| Phone-screen Screen Fails (Total Screened = 24) | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **Overall**, N = 41 | **Asian**, N = 11 | **Middle Eastern or North African**, N = 11 | **Native Hawaiian or Other Pacific Islanders**, N = 11 | **Other**, N = 11 |
| Reason |  |  |  |  |  |
| Pre-consent reason 1 | 1 (4%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (4%) |
| Pre-consent reason 2 | 1 (4%) | 1 (4%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Pre-consent reason 4 | 1 (4%) | 0 (0%) | 0 (0%) | 1 (4%) | 0 (0%) |
| Pre-consent reason 5 | 1 (4%) | 0 (0%) | 1 (4%) | 0 (0%) | 0 (0%) |
| 1n (%) | | | | | |
| n - Number of listed screen-fail reason.   (%) - Percent is calculated by dividing the number of a given reason (n) by the total number of phone screens (N).This percentage includes all eligible and still screening participants. | | | | | |

### Post-consent Screen Fails: By Race and Ethnicity

| Post-consent Screen Fails | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **Overall**, N = 51 | **Middle Eastern or North African**, N = 11 | **Other**, N = 11 | **Prefer not to answer**, N = 11 | **White**, N = 21 |
| Reason |  |  |  |  |  |
| No continue reason 1 | 2 (40%) | 0 (0%) | 1 (100%) | 0 (0%) | 1 (50%) |
| No continue reason 2 | 1 (20%) | 0 (0%) | 0 (0%) | 1 (100%) | 0 (0%) |
| No continue reason 3 | 1 (20%) | 1 (100%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Reason 1 | 1 (20%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (50%) |
| 1n (%) | | | | | |
| n - Number of listed screen-fail reason.   (%) - Percent is calculated by dividing the number of a given reason (n) by the number of a racial or ethnic category (N).   This table is primarily used to examine racial or ethnic differences for screen failing so that barriers to entry can be addressed. | | | | | |

### Post-consent Screen Fails: Percentage of Total Screened

| Post-consent Screen Fails (Total Consented = 16) | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **Overall**, N = 51 | **Middle Eastern or North African**, N = 11 | **Other**, N = 11 | **Prefer not to answer**, N = 11 | **White**, N = 21 |
| Reason |  |  |  |  |  |
| No continue reason 1 | 2 (12%) | 0 (0%) | 1 (6%) | 0 (0%) | 1 (6%) |
| No continue reason 2 | 1 (6%) | 0 (0%) | 0 (0%) | 1 (6%) | 0 (0%) |
| No continue reason 3 | 1 (6%) | 1 (6%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Reason 1 | 1 (6%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (6%) |
| 1n (%) | | | | | |
| n - Number of listed screen-fail reason.   (%) - Percent is calculated by dividing the number of a given reason (n) by the total number of consents. This percentage includes all eligible and still screening participants. | | | | | |

## Table 3a: Demographic and Key Baseline Characteristics

Date as of: May 22, 2024

| Enrollment Demographics Since Last Report | | |
| --- | --- | --- |
|  | **Overall**, N = 91 | **Since Last Report**, N = 91 |
| Race |  |  |
| Asian | 1 (11%) | 1 (11%) |
| Black, African American, or African | 3 (33%) | 3 (33%) |
| Middle Eastern or North African | 1 (11%) | 1 (11%) |
| Prefer not to answer | 1 (11%) | 1 (11%) |
| White | 3 (33%) | 3 (33%) |
| Ethnicity |  |  |
| Hispanic | 2 (22%) | 2 (22%) |
| Not Hispanic | 7 (78%) | 7 (78%) |
| Sex |  |  |
| Female | 5 (56%) | 5 (56%) |
| Male | 4 (44%) | 4 (44%) |
| Rural |  |  |
| Not Rural | 9 (100%) | 9 (100%) |
| Age | 10, (27) | 10, (27) |
| Unknown | 1 | 1 |
| 1n (%); Mean, (SD) | | |

| Enrollment Demographics - Group by Reporting Period | | | |
| --- | --- | --- | --- |
|  | **Overall**, N = 91 | **2023-11-22**, N = 61 | **2024-05-22**, N = 31 |
| Race |  |  |  |
| Asian | 1 (11%) | 1 (17%) | 0 (0%) |
| Black, African American, or African | 3 (33%) | 2 (33%) | 1 (33%) |
| Middle Eastern or North African | 1 (11%) | 1 (17%) | 0 (0%) |
| Prefer not to answer | 1 (11%) | 0 (0%) | 1 (33%) |
| White | 3 (33%) | 2 (33%) | 1 (33%) |
| Ethnicity |  |  |  |
| Hispanic | 2 (22%) | 1 (17%) | 1 (33%) |
| Not Hispanic | 7 (78%) | 5 (83%) | 2 (67%) |
| Sex |  |  |  |
| Female | 5 (56%) | 3 (50%) | 2 (67%) |
| Male | 4 (44%) | 3 (50%) | 1 (33%) |
| Rural |  |  |  |
| Not Rural | 9 (100%) | 6 (100%) | 3 (100%) |
| Age | 10, (27) | 15, (35) | 0, (0) |
| Unknown | 1 | 1 | 0 |
| 1n (%); Mean, (SD) | | | |

## Table 3b: Demographic and Key Baseline Characteristics

Date as of: May 22, 2024

| Screened Demographics Since Last Report | | |
| --- | --- | --- |
|  | **Overall**, N = 241 | **Since Last Report**, N = 241 |
| Race |  |  |
| Asian | 2 (8.7%) | 2 (8.7%) |
| Black, African American, or African | 4 (17%) | 4 (17%) |
| Middle Eastern or North African | 4 (17%) | 4 (17%) |
| Native Hawaiian or Other Pacific Islanders | 1 (4.3%) | 1 (4.3%) |
| Other | 2 (8.7%) | 2 (8.7%) |
| Prefer not to answer | 4 (17%) | 4 (17%) |
| White | 6 (26%) | 6 (26%) |
| Unknown | 1 | 1 |
| Ethnicity |  |  |
| Hispanic | 4 (17%) | 4 (17%) |
| Not Hispanic | 13 (57%) | 13 (57%) |
| Not provided or refused | 6 (26%) | 6 (26%) |
| Unknown | 1 | 1 |
| Sex |  |  |
| Female | 10 (43%) | 10 (43%) |
| Male | 10 (43%) | 10 (43%) |
| Unknown | 3 (13%) | 3 (13%) |
| Unknown | 1 | 1 |
| Rural |  |  |
| Not Rural | 24 (100%) | 24 (100%) |
| Age | 6, (22) | 6, (22) |
| Unknown | 12 | 12 |
| 1n (%); Mean, (SD) | | |

| Screened Demographics - Group by Reporting Period | | | |
| --- | --- | --- | --- |
|  | **Overall**, N = 91 | **2023-11-22**, N = 61 | **2024-05-22**, N = 31 |
| Race |  |  |  |
| Asian | 1 (11%) | 1 (17%) | 0 (0%) |
| Black, African American, or African | 3 (33%) | 2 (33%) | 1 (33%) |
| Middle Eastern or North African | 1 (11%) | 1 (17%) | 0 (0%) |
| Prefer not to answer | 1 (11%) | 0 (0%) | 1 (33%) |
| White | 3 (33%) | 2 (33%) | 1 (33%) |
| Ethnicity |  |  |  |
| Hispanic | 2 (22%) | 1 (17%) | 1 (33%) |
| Not Hispanic | 7 (78%) | 5 (83%) | 2 (67%) |
| Sex |  |  |  |
| Female | 5 (56%) | 3 (50%) | 2 (67%) |
| Male | 4 (44%) | 3 (50%) | 1 (33%) |
| Rural |  |  |  |
| Not Rural | 9 (100%) | 6 (100%) | 3 (100%) |
| Age | 10, (27) | 15, (35) | 0, (0) |
| Unknown | 1 | 1 | 0 |
| 1n (%); Mean, (SD) | | | |

# Protocol Fidelity

**Protocol Deviation**

A protocol deviation occurs when, without significant consequences, the activities on a study diverge from the Institutional Review Board-approved protocol.

* Study visit occurred outside of protocol time frame due to participant’s schedule
* Study activities performed close to, but not precisely at specified time points

**Protocol Violation**

A divergence from the protocol that materially (a) reduces the quality or completeness of the data, (b) makes the Informed Consent Form inaccurate, or (c) impacts a subject’s safety, rights, or welfare.

* Failure to obtain informed consent or re-consent when required by the IRB.
* Modifying the protocol without IRB approval, except to avoid immediate hazard to subjects.
* Inadequate or delinquent informed consent
* Inclusion/exclusion criteria not met
* Unreported serious adverse events
* Improper breaking of the blind
* Use of prohibited medication
* Mishandled samples
* Materially inadequate record keeping
* Intentional deviation from protocol, Good Clinical Practice, or regulations by study personnel

**Reference**

See Bhatt (2012) for more information.

Bhatt A. Protocol deviation and violation. Perspect Clin Res. 2012 Jul;3(3):117. doi: 10.4103/2229-3485.100663. PMID: 23125964; PMCID: PMC3487227.

## Table 4: Protocol Violations

Date as of: May 22, 2024

| Protocol Violation | n | Since Last Report |
| --- | --- | --- |
| Assessment outside protocol window | 1.00 |  |
| Total # of Violations | 1.00 | 0 |
| Participants Consented | 16.00 | 16 |
| Violations per Participant | 0.06 | 0 |

## Table 5: Protocol Deviations

Date as of: May 22, 2024

| Protocol Deviation | n | Since Last DSMC Report |
| --- | --- | --- |
| Did not meet inclusion/exclusion criteria | 1.00 | 1.00 |
| Failure to obtain informed consent | 1.00 |  |
| Total # of Deviations | 2.00 | 1.00 |
| Participants Consented | 16.00 | 16.00 |
| Deviations per Participant | 0.12 | 0.06 |

## Listing 1: New Protocol Violations

Date as of: May 22, 2024

## There have been no new violations.

## Listing 2: All Protocol Violations

Date as of: May 22, 2024

| All Protocol Deviations | | | | |
| --- | --- | --- | --- | --- |
| Date | Protocol Violation | Resulted in AE | Participant Continued | Notes |
| 2021-11-01 | Assessment outside protocol window | Yes | Yes | Paper |

# Safety Assessments for All Participants: Tables and Listing

## CTCAE 5.0 Criteria

**Grades**

Grade refers to the severity of the AE. The CTCAE displays Grades 1 through 5 with unique clinical descriptions of severity for each AE based on this general guideline:

* **Grade 1** Mild; asymptomatic or mild symptoms; clinical or diagnostic observations only; intervention not indicated.
* **Grade 2** Moderate; minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental ADL\*.
* **Grade 3** Severe or medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization indicated; disabling; limiting self care ADL\*\*.
* **Grade 4** Life-threatening consequences; urgent intervention indicated.
* **Grade 5** Death related to AE.

**Relatedness**

Relatedness refers to the relationship of the AE to the intervention. COMET rates relatedness from not related to definitely related.

* **Not Related** The AE is clearly NOT related to the intervention
* **Possibly Related** The AE may be related to the intervention
* **Definitely Related** The AE is clearly related to the intervention

**Definitions**

* **Adverse Event** Any untoward or unfavorable medical occurrence in a human subject participant, including any abnormal sign, symptom, or disease, temporally associated with the participants’ involvement in the research, whether or not considered related to participation in the research.
* **Event of Interest** Incidental findings or events uncovered during baseline testing not directly attributable to the study. It is often unclear if the event is new onset. Most are pre-existing and asymptomatic i.e., asymptomatic ST segment depression on a maximal exercise test.
* **System Organ Class (SOC)** The highest level of the MedDRA1 hierarchy, also referred to as System Organ Classe (SOC), is identified by anatomical or physiological system, etiology, or purpose (e.g., SOC Investigations for laboratory test results). CTCAE terms are grouped by MedDRA Primary SOCs. Within each SOC, AEs are listed and accompanied by descriptions of severity (Grade).
* **Preferred Term** A term that is a unique representation of a specific event used for medical documentation and scientific analyses. Each CTCAE v4.0 term is a MedDRA LLT (Lowest Level Term).

## Table 7a: Non-related Adverse Events

Date as of: May 22, 2024

## [1] "There have been no non-related adverse events."

## Table 7b: Related Adverse Events

Date as of: May 22, 2024

| Related Adverse Events Since Last Report | | | |
| --- | --- | --- | --- |
| Adverse Events | **Overall**, N = 81 | **Cumulative at Last Report**, N = 41 | **Since Last Report**, N = 41 |
| Preferred Term |  |  |  |
| Atrioventricular block complete | 1 (13%) | 1 (25%) | 0 (0%) |
| Cecal hemorrhage | 1 (13%) | 0 (0%) | 1 (25%) |
| Ear and labyrinth disorders - Other, specify | 1 (13%) | 1 (25%) | 0 (0%) |
| Gallbladder obstruction | 1 (13%) | 0 (0%) | 1 (25%) |
| Muscle cramp | 1 (13%) | 0 (0%) | 1 (25%) |
| Portal hypertension | 1 (13%) | 1 (25%) | 0 (0%) |
| Test | 1 (13%) | 1 (25%) | 0 (0%) |
| Ventricular arrhythmia | 1 (13%) | 0 (0%) | 1 (25%) |
| 1n (%) | | | |
| \*Table includes both possibly- and definitely-related adverse events. | | | |

| Related Adverse Events - Group by Reporting Period | | |
| --- | --- | --- |
| Adverse Events | **2023-11-22**, N = 41 | **2024-05-22**, N = 41 |
| Preferred Term |  |  |
| Atrioventricular block complete | 1 (25%) | 0 (0%) |
| Cecal hemorrhage | 0 (0%) | 1 (25%) |
| Ear and labyrinth disorders - Other, specify | 1 (25%) | 0 (0%) |
| Gallbladder obstruction | 0 (0%) | 1 (25%) |
| Muscle cramp | 0 (0%) | 1 (25%) |
| Portal hypertension | 1 (25%) | 0 (0%) |
| Test | 1 (25%) | 0 (0%) |
| Ventricular arrhythmia | 0 (0%) | 1 (25%) |
| 1n (%) | | |
| If a reporting period is not included, no related adverse events happened during that period. | | |

| Related Adverse Events Since Last Report | | | |
| --- | --- | --- | --- |
| Date of Onset | Outcome | Preferred Term | Summary |
| 2024-04-25 | Recovered/Resolved | Cecal hemorrhage | Rock |
| 2024-04-25 | Recovering/Resolving | Gallbladder obstruction | Scissors |
| 2024-04-25 | Recovering/Resolving | Muscle cramp | Paper |
| 2024-04-25 | Recovered/Resolved | Ventricular arrhythmia | Rock |

## Table 7c: Non-related Serious Adverse Events

Date as of: May 22, 2024

## [1] "There have been no non-related serious adverse events"

## Table 7d: Related Serious Adverse Events

Date as of: May 22, 2024

| Related Serious Adverse Events Since Last Report | | | |
| --- | --- | --- | --- |
| Adverse Events | **Overall**, N = 61 | **Cumulative at Last Report**, N = 41 | **Since Last Report**, N = 21 |
| Preferred Term |  |  |  |
| Atrioventricular block complete | 1 (17%) | 1 (25%) | 0 (0%) |
| Cecal hemorrhage | 1 (17%) | 0 (0%) | 1 (50%) |
| Ear and labyrinth disorders - Other, specify | 1 (17%) | 1 (25%) | 0 (0%) |
| Muscle cramp | 1 (17%) | 0 (0%) | 1 (50%) |
| Portal hypertension | 1 (17%) | 1 (25%) | 0 (0%) |
| Test | 1 (17%) | 1 (25%) | 0 (0%) |
| 1n (%) | | | |
| \*Table includes both possibly- and definitely-related adverse events. | | | |

| Related Serious Adverse Events - Group by Reporting Period | | |
| --- | --- | --- |
| Adverse Events | **2023-11-22**, N = 41 | **2024-05-22**, N = 21 |
| Preferred Term |  |  |
| Atrioventricular block complete | 1 (25%) | 0 (0%) |
| Cecal hemorrhage | 0 (0%) | 1 (50%) |
| Ear and labyrinth disorders - Other, specify | 1 (25%) | 0 (0%) |
| Muscle cramp | 0 (0%) | 1 (50%) |
| Portal hypertension | 1 (25%) | 0 (0%) |
| Test | 1 (25%) | 0 (0%) |
| 1n (%) | | |
| If a reporting period is not included, no related adverse events happened during that period. | | |

| Related Serious Adverse Events Since Last Report | | | |
| --- | --- | --- | --- |
| Date of Onset | Outcome | Preferred Term | Summary |
| 2024-04-25 | Recovered/Resolved | Cecal hemorrhage | Rock |
| 2024-04-25 | Recovering/Resolving | Muscle cramp | Paper |

## Listing 3: Serious Adverse Events

Date as of: May 22, 2024

| Date of Onset | Date Ceased | Related | Outcome | SOC and Preferred Term | Summary |
| --- | --- | --- | --- | --- | --- |
| 2023-07-12 | 2023-07-12 | Probably Related | Recovered/Resolved | Ear and labyrinth disorders - Other, specify | Broke knee at home on 12/15. Went to ER. |
| 2023-07-19 | 2023-07-19 | Probably Related |  | Blood and lymphatic system disorders - Other, specify | Test |
| 2023-08-17 | 2023-08-17 | Definitely Related |  | Injury, poisoning and procedural complications - Portal hypertension | Test |
| 2023-08-21 | 2023-08-21 | Probably Related |  | Eye disorders - Atrioventricular block complete | Test |
| 2024-04-25 | 2024-04-25 | Probably Related | Recovering/Resolving | Endocrine disorders - Muscle cramp | Paper |
| 2024-04-25 | 2024-04-25 | Probably Related | Recovered/Resolved | Infections and infestations - Cecal hemorrhage | Rock |

## Listing 4: Deaths

Date as of: May 22, 2024

| Date of Death | Cause of Death | Related |
| --- | --- | --- |
| 2023-08-21 | test | Probably Related |
| 2024-04-25 | Scissors | Probably Related |

## Listing 5a: New Adverse Events Related to the Intervention

Date as of: May 22, 2024

| Adverse Events Related to the Intervention Since Date of Last Report (2023-10-01) | | | | | |
| --- | --- | --- | --- | --- | --- |
| Date | Related | Outcome | Severity | SOC and Preferred Term | Summary |
| 2024-04-25 | Probably Related | Recovered/Resolved | Grade 5; Death related to AE | Nervous system disorders - Ventricular arrhythmia | Rock |
| 2024-04-25 | Probably Related | Recovering/Resolving | Grade 2; Moderate | Endocrine disorders - Muscle cramp | Paper |
| 2024-04-25 | Probably Related | Recovering/Resolving | Grade 2; Moderate | Skin and subcutaneous tissue disorders - Gallbladder obstruction | Scissors |
| 2024-04-25 | Probably Related | Recovered/Resolved | Grade 1; Mild | Infections and infestations - Cecal hemorrhage | Rock |

## Listing 5b: New Adverse Events Not Related to Intervention

Date as of: May 22, 2024

| Adverse Events Not Related to the Intervention Since Date of Last Report (2023-10-01) | | | | | |
| --- | --- | --- | --- | --- | --- |
| Date | Related | Outcome | Severity | SOC and Preferred Term | Summary |

## Listing 6a: All Adverse Events

Date as of: May 22, 2024

| All Adverse Events | | | | | |
| --- | --- | --- | --- | --- | --- |
| Date | SOC and Preferred Term | Related | Severity | Serious | Outcome |
| 2023-07-12 | Ear and labyrinth disorders - Other, specify | Probably Related | Grade 1; Mild | Yes | Recovered/Resolved |
| 2023-07-19 | Blood and lymphatic system disorders - Other, specify | Probably Related | Grade 3; Severe | Yes |  |
| 2023-08-17 | Injury, poisoning and procedural complications - Portal hypertension | Definitely Related | Grade 2; Moderate | Yes |  |
| 2023-08-21 | Eye disorders - Atrioventricular block complete | Probably Related | Grade 1; Mild | Yes |  |
| 2024-04-25 | Nervous system disorders - Ventricular arrhythmia | Probably Related | Grade 5; Death related to AE | No | Recovered/Resolved |
| 2024-04-25 | Endocrine disorders - Muscle cramp | Probably Related | Grade 2; Moderate | Yes | Recovering/Resolving |
| 2024-04-25 | Skin and subcutaneous tissue disorders - Gallbladder obstruction | Probably Related | Grade 2; Moderate | No | Recovering/Resolving |
| 2024-04-25 | Infections and infestations - Cecal hemorrhage | Probably Related | Grade 1; Mild | Yes | Recovered/Resolved |