



**Department of Health**  
Wadsworth Center

# **BLOOD SERVICES ACTIVITY REPORT**

CALENDAR YEAR 2024

The Blood Resources Program, a subdivision of the Clinical Laboratory Evaluation Program of the Wadsworth Center, collects data annually on the collection and distribution of blood and blood components by entities that hold a blood bank permit in Blood Services – Collection, Blood Services – Collection Autogeneic Only, Blood Services – Transfusion Service and Blood Services – Transfusion Storage Only.

Note that in 2022, legislation was passed creating a separate registration process for Source Plasma Donation Centers, therefore data on source plasma collected for manufacture is not represented in this report.

# ALLOGENEIC COLLECTION

## Red Blood Cells

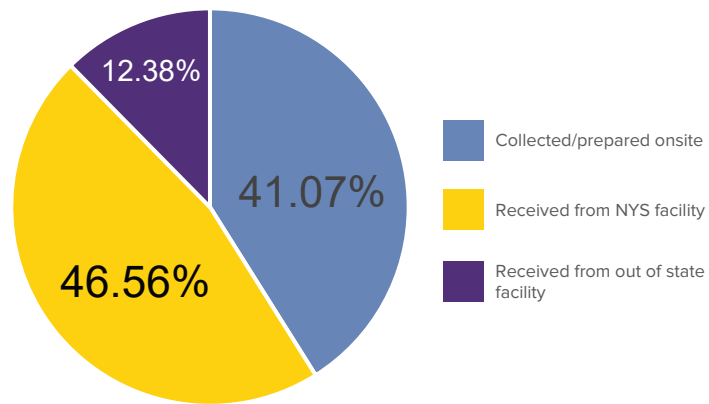
Total Units of Red Blood Cells in Circulation:  
1,557,928

collected/prepared onsite: 639805

received from NYS facility: 725303

received from out of state facility: 192820

### Allogeneic Red Blood Cells Collected/Prepared/Received 2024



discarded or outdated units: 25678

transfused onsite at facility: 686398

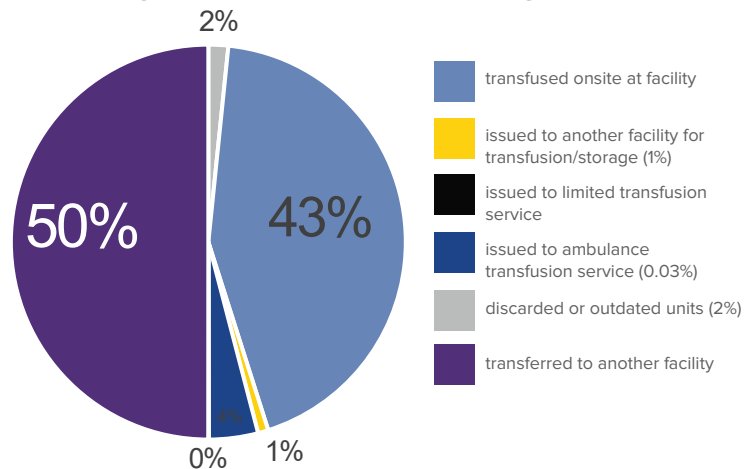
issued to another facility for  
transfusion/storage: 13379

issued to limited  
transfusion service: 63708

issued to ambulance  
transfusion service: 504

transferred to another facility: 789407

### Allogeneic Red Blood Cell Usage 2024



# ALLOGENEIC COLLECTION

## Single Donor Platelets

Total Units of of Single Donor Platelets in Circulation: 423,128

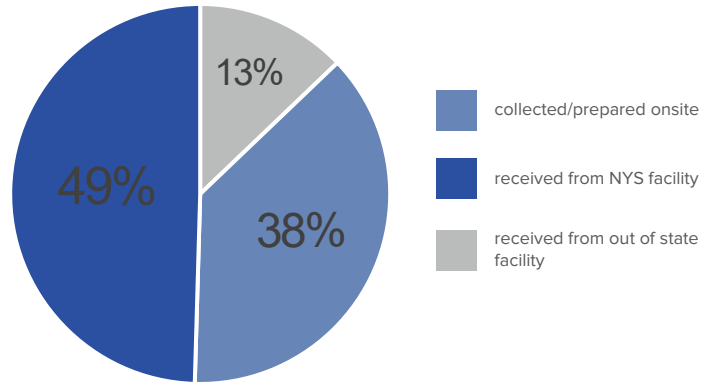
Not shown in Usage Chart:  
Sent for further remanufacture - (0.00%)

collected/prepared onsite: 159095

received from NYS facility: 209633

received from out of state facility: 54400

### Single Donor Platelets Collected/Prepared/Received 2024



discarded or outdated units: 26886

transfused onsite at facility: 158517

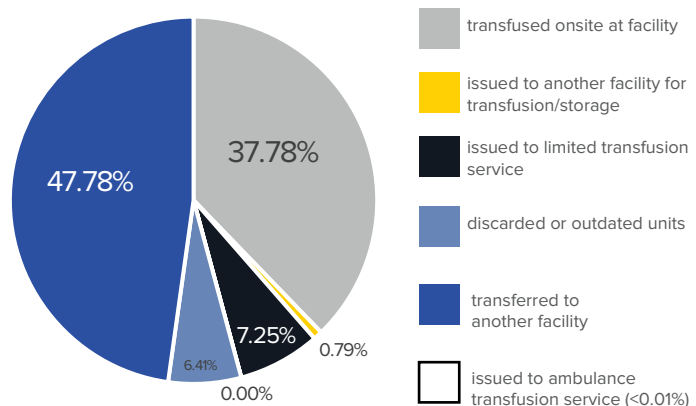
issued to another facility for transfusion/storage: 3305

issued to limited transfusion service: 30415

issued to ambulance transfusion service: 4

transferred to another facility: 200506

### Single Donor Platelet Usage 2024



# ALLOGENEIC COLLECTION

## Plasma (transfusable)

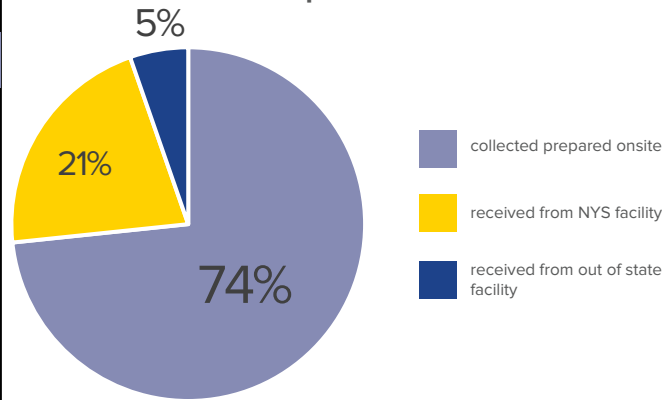
Total Units of of Plasma in Circulation: 565,470

collected/prepared onsite: 414721

received from NYS facility: 120594

received from out of state facility: 30155

**Plasma (transfusable)  
Collected/Prepared/Received 2024**



discarded or outdated units: 31138

transfused onsite at facility: 97572

issued to another facility for transfusion/storage: 385

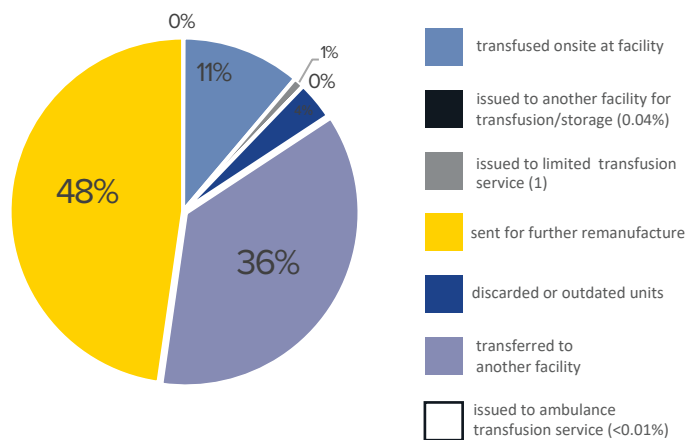
issued to limited transfusion service: 8831

issued to ambulance transfusion service: 2

transferred to another facility: 320239

sent for further remanufacture: 418325

**Plasma (transfusable) Usage 2024**



# AUTOGENEIC COLLECTION

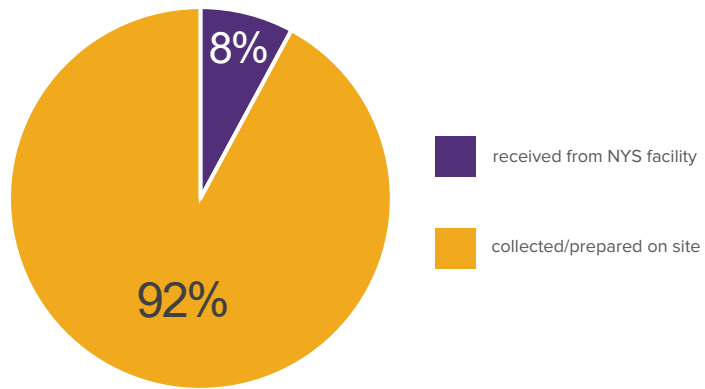
## Whole Blood

Total Units in Circulation: 76

received from NYS facility: 6

collected/prepared on site: 70

### Autogeneic Whole Blood Collected/Prepared/Received 2024

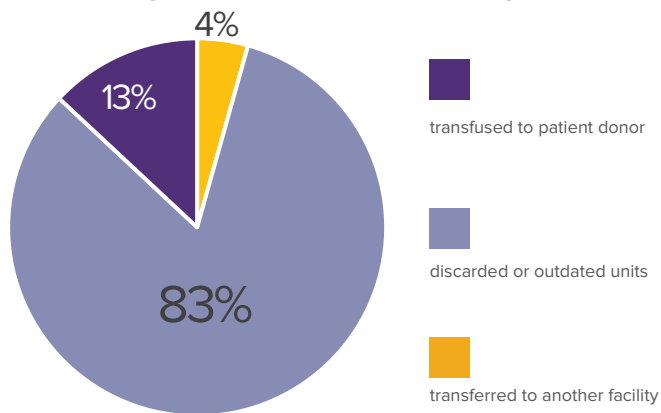


transferred to another facility: 1

discarded or outdated units: 19

transfused to patient donor: 3

### Autogeneic Whole Blood Usage 2024



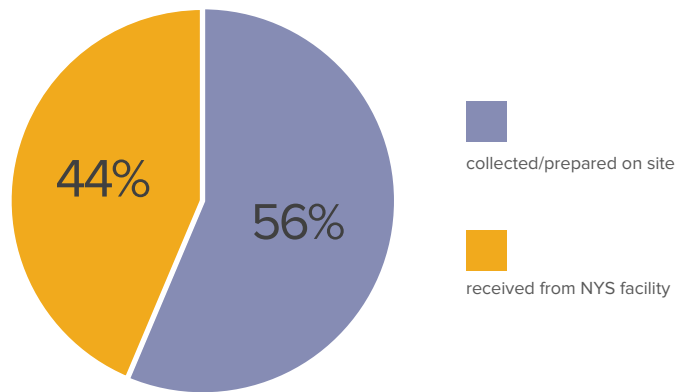
# AUTOGENEIC COLLECTION Red Blood Cells

Total Units in Circulation: 165

received from NYS facility: 72

collected/prepared on site: 93

### Autogeneic Red Blood Cells Collected/Prepared/Received 2024

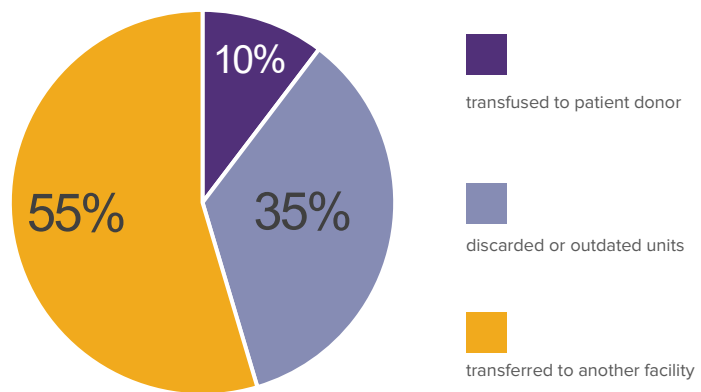


transferred to another facility: 95

discarded or outdated units: 61

transfused to patient donor: 18

### Autogeneic Red Blood Cells Usage 2024



# DIRECTED DONOR COLLECTION Red Blood Cells

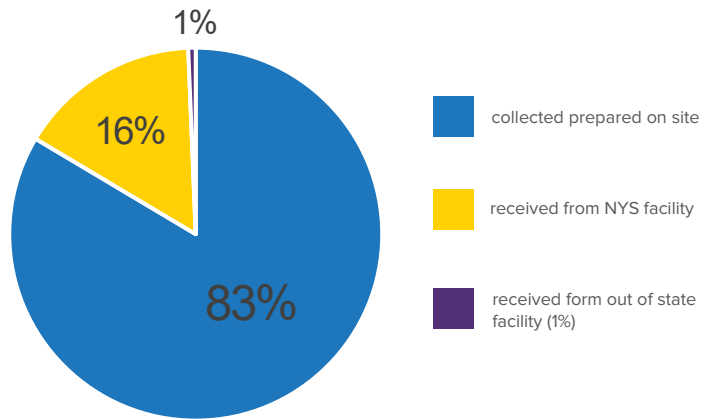
Total Units in Circulation: 1392

received from NYS facility: 220

collected/prepared on site: 1163

received from out of state facility: 9

### Directed Red Blood Cells Collected/Prepared/Received 2024



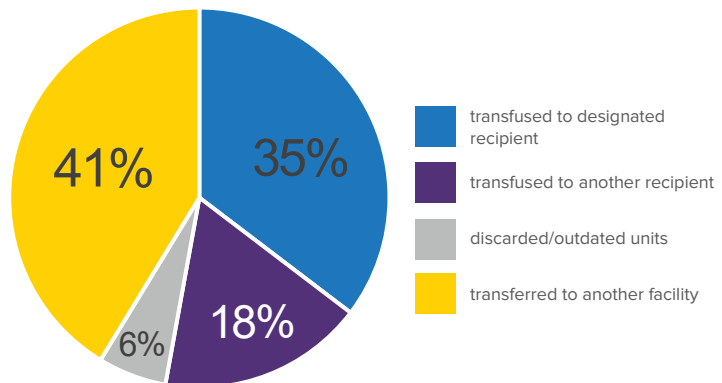
transferred to another facility: 396

discarded or outdated units: 56

transfused to another recipient: 168

transfused to designated recipient: 339

### Directed Red Blood Cells Usage 2024



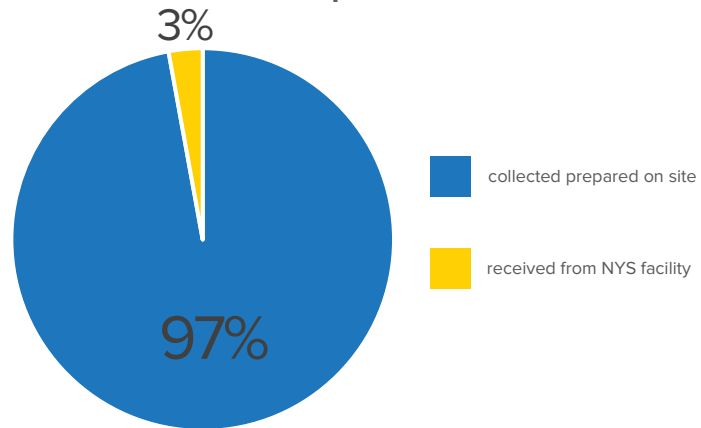
# DIRECTED DONOR COLLECTION Single Donor Platelets

Total Units in Circulation: 768

received from NYS facility: 22

collected/prepared on site: 746

### Directed Single Donor Platelets Collected/Prepared/Received 2024



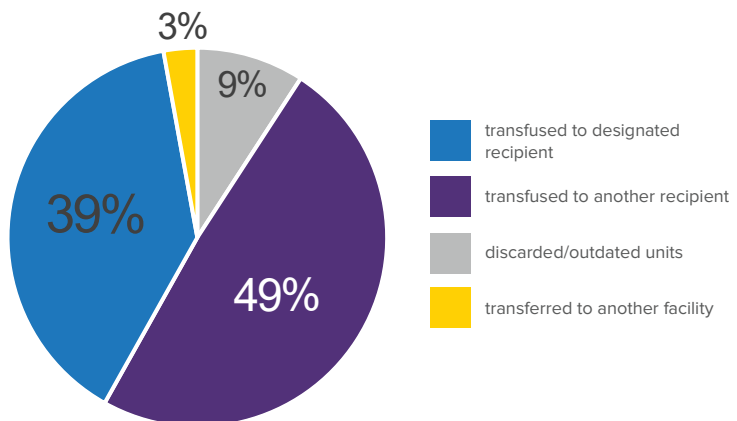
transferred to another facility: 15

discarded or outdated units: 48

transfused to another recipient: 256

transfused to designated recipient: 204

### Directed Single Donor Platelets Usage 2024



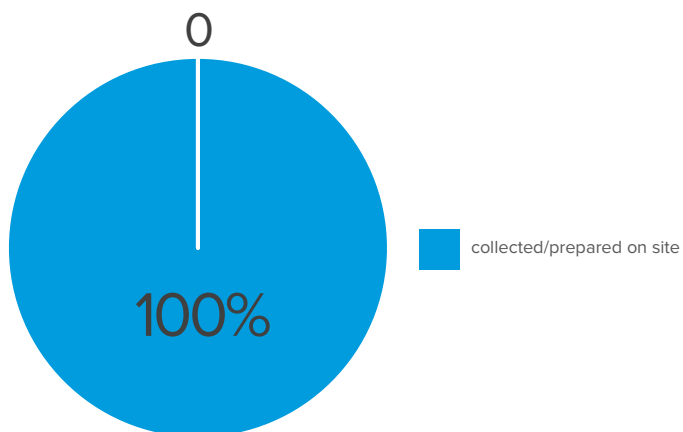
# DIRECTED DONOR COLLECTION Plasma (transfusable)

Total Units in Circulation: 275

received from NYS facility: 0

collected/prepared on site: 275

### Directed Plasma Collected/Prepared/Received 2024



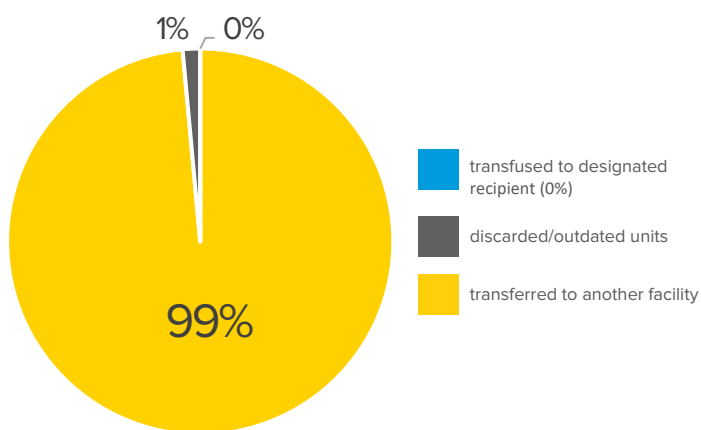
transferred to another facility: 270

discarded or outdated units: 4

transfused to another recipient: 0

transfused to designated recipient: 0

### Directed Plasma Usage 2024



# Transfusion Complications 2024

Number of transfusion-related fatalities in 2024 = 2

Related to ABO-incompatible blood = 0

Acute Hemolytic Reaction: 12

Anaphylactic/Anaphylactoid Reaction: 26

Delayed Hemolytic Reaction: 36

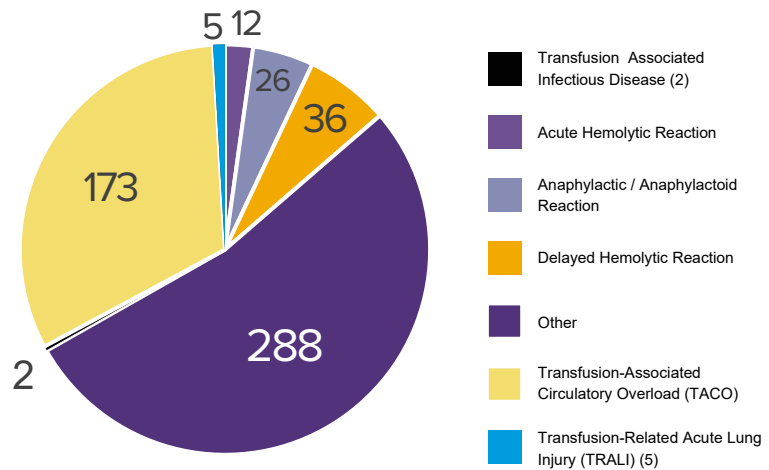
Other: 288

Transfusion Associated Infectious Disease: 2

Transfusion-Associated Circulatory Overload (TACO): 173

Transfusion-Related Acute Lung Injury (TRALI): 5

### Transfusion Reactions Reported BSAR 2024



Cannot rule out TACO/TRALI: 1

Febrile/chills/nausea/pain/cytokine/allergic/tachycardia,hypothermia: 99

Transfusion Associated Dyspnea/Shortness of Breath: 21

Hypotension/Hypertension: 39

Delayed Serologic: 42

Underlying medical condition: 65

Unrelated to transfusion/non-specific/other: 31

### Other Reactions Defined BSAR 2024

