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: 1,764,117

Allogenic Red Blood Cells Collected/Prepared/Received

- 49% Collected/prepared onsite
- 40% Received from NYS facility
- 11% Received from out of state facility

Allogenic Red Blood Cell Usage

- 58.25% Transfused onsite at facility
- 38.60% Issued to another facility for transfusion/storage
- 0.03% Issued to ambulance transfusion service (0.03%)
- 0.35% Transferred to another facility
- 1.96% Discarded or outdated units
- 0.81% Other
ALLOGENEIC COLLECTION
Single Donor Platelets

Total Units of Single Donor Platelets in Circulation: 476,382

Not shown in Usage Chart:
Sent for further remanufacture - (0.00%)
Issued to ambulance transfusion service - (0.00%)
**ALLOGENEIC COLLECTION**

**Plasma (transfusable)**

Total Units of Plasma in Circulation: 966,223

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

- Collected/Prepared/Received:
  - Collected prepared onsite: 84.22%
  - Received from NYS facility: 12.68%
  - Received from out of state facility: 3.10%

**Plasma (transfusable) Usage**

- Transfused onsite at facility: 36.22%
- Issued to another facility for transfusion/storage: 51.04%
- Issued to limited transfusion service (0.02%): 9.08%
- Issued to ambulance transfusion service (0.01%): 0.04%
- Discarded or outdated units: 0.02%
- Sent for further remanufacture: 0.01%
- Transferred to another facility: 3.58%
Autogeneic Whole Blood Usage

- Transfused to patient donor: 10%
- Discarded or outdated units: 25%
- Transferred to another facility: 65%

Autogeneic Whole Blood Collected/Prepared/Received

- Received from NYS facility: 11.84%
- Collected/prepared on site: 88.16%

Total Units in Circulation: 152
**Autogeneic Red Blood Cells Usage**

- **Transfused to patient donor:** 9%
- **Discarded or outdated units:** 23%
- **Transferred to another facility:** 68%

**Autogeneic Red Blood Cells Collected/Prepared/Received**

- **Received from NYS facility:** 59%
- **Collected/prepared onsite:** 40%
- **Received from out of state facility:** 1%

**Total Units in Circulation:** 175
Directed Red Blood Cells
Collected/Prepared/Received

- 30% collected prepared onsite
- 70% received from NYS facility

Directed Red Blood Cells Usage

- 45% transfused to designated recipient
- 25% transfused to another recipient
- 16% discarded/outdated units
- 14% transferred to another facility

DIRECTED DONOR COLLECTION
Red Blood Cells
Total Units in Circulation: 7,986
Directed Single Donor Platelets

Collected/Prepared/Received

- Collected prepared on site: 33%
- Received from NYS facility: 67%

Directed Single Donor Platelets Usage

- Transfused to designated recipient: 55%
- Transfused to another recipient: 24%
- Transferred to another facility: 17%
- Discarded/Outdated units: 4%
DIRECTED DONOR COLLECTION
Plasma (transfusable)

Total Units in Circulation: 931

Directed Plasma Collected/Prepared/Received
- Collected/prepared onsite: 96%
- Received from NYS facility: 4%

Directed Plasma Usage
- Transfused to designated recipient: 2%
- Discarded/outdated units: 60%
- Transferred to another facility: 38%
Transfusion Complications

Number of transfusion-related fatalities = 2

Transfusion Reactions Reported

- Related to ABO-Incompatible Blood (2)
- Acute Hemolytic Reaction
- Anaphylactic / Anaphylactoid Reaction
- Delayed Hemolytic Reaction
- Other
- Transfusion-Associated Circulatory Overload (TACO)
- Transfusion-Related Acute Lung Injury (TRALI)

Other Reactions Defined

- Other/non-specific/unknown
- Cannot rule out TACO (transfusion associated circulatory overload)/HTR (hemolytic transfusion reaction)
- Febrile/chills/nausea/pain/tachycardia/cytokine
- TAD (transfusion associated dyspnea)/SOB (shortness of breath)
- Hypotension/Hypertension
- Delayed serologic reaction
- Underlying medical condition/unrelated to transfusion