

National Marrow Donor Program Facts & Figures

The Mission

The National Marrow Donor Program® (NMDP) helps people who need a life-saving marrow or blood cell transplant. We connect patients, doctors, donors and researchers to the resources they need to help more people live longer and healthier lives. To achieve our mission, we:

- **Search** our Registry—the largest listing of volunteer donors and cord blood units in the world.
- **Support** patients and their doctors throughout the transplant process.
- **Match** patients with the best donor or cord blood unit using innovative science and technology.

The Need

- It is estimated that a marrow or blood cell transplant could benefit **more than 10,000 children and adults** with life-threatening diseases each year.
- Since it began operations in 1987, the National Marrow Donor Program has **facilitated more than 33,000 marrow or blood cell transplants** for patients who do not have matching donors in their families.
- On average, the NMDP facilitates more than **350 transplants each month**, with more than **4,300 marrow and cord blood transplants in 2008**.
- Patients **diagnosed with leukemia, lymphomas or other blood cancers** make up approximately 72 percent of transplants facilitated by the NMDP. The remaining patients undergo transplant to treat a variety of immune system and inherited disorders.
- Advances such as reduced-intensity transplants have made transplant a treatment option for more patients, particularly older patients. In 2008, **36 percent** of NMDP transplants— **more than 1,500 transplants**—were for patients aged 50 and older.
- Only 30 percent of patients in need of a marrow or blood cell transplant find a matched donor in their family. The other 70 percent may turn to the NMDP **to search for an unrelated donor or cord blood unit**.
- Lack of financial resources can delay donor searches or limit opportunities for post-transplant care. For patients who qualify for financial assistance, the NMDP offers **The Marrow Foundation® Patient Assistance Program**. In 2008, more than 1,300 requests for funds were approved and **more than 5 million dollars were made available to patients in need**.

The NMDP Registry

Every search conducted through the NMDP provides patients a single point of access to **more than 13 million donors and more than 400,000 cord blood units** on the global donor listing.

- This includes **more than 7 million potential volunteer marrow donors** and **nearly 90,000 cord blood units** on the NMDP Registry, as well as donors listed through Bone Marrow Donors Worldwide (BMDW).
- On average, **37,000 new volunteers** join the NMDP Registry **each month**, **nearly 390,000 new volunteers each year**.
- The NMDP's Center for Cord Blood™ provides nearly **90,000 cord blood units from 22 member blood banks**.
- The NMDP maintains relationships with donor centers, transplant centers and other registries in **more than 35 countries outside of the United States** and **51 percent** of all transplants facilitated by the NMDP involve an **international donor or recipient**.

Research

Research is essential to the NMDP's mission and is facilitated through the NMDP's affiliate organization, the Center for International Blood & Marrow Transplant Research® (CIBMTR). In 2008, CIBMTR published 40 articles in peer-reviewed journals and 27 abstracts, and it currently has 17 clinical studies and 225 observational studies in progress.

Serving All Communities

The NMDP is committed to supporting the communities it serves. Through ongoing initiatives, the NMDP works with civic, community, corporate and faith-based organizations to recruit volunteers and add cord blood units from diverse communities. We have made great strides, and the likelihood of finding a match has increased dramatically for patients from all racial and ethnic groups. Nevertheless, some patients are unable to find a match because they have less common tissue traits.

Because these traits are inherited, a patient's most likely match is someone of the same heritage. The groups of individuals identified by the NMDP for focused recruitment are: American Indian or Alaska Native, Asian, Black or African American, Hispanic or Latino, and Native Hawaiian or other Pacific Islander.

<i>Patients Served Since 1987, by Race and Ethnicity</i>	
American Indian/Alaska Native	Nearly 140
Asian	More than 900
Black or African American	More than 1,500
Native Hawaiian or Other Pacific Islander	27
White	More than 25,000
Hispanic (identified as either Hispanic or Latino ethnicity)	More than 2,200
Total	More than 33,000

Note: Historical data can be affected by updates to donor or patient race codes, disease codes and transplant dates. Race and ethnic detail does not include patients whose race or ethnicity is not reported to the NMDP and therefore is unknown.

Diversity of the NMDP Registry—Adult Donors

Adult Volunteers on the NMDP Registry by Race	
American Indian/Alaska Native	Nearly 83,000
Asian	Nearly 520,000
Black or African American	More than 550,000
Native Hawaiian or Other Pacific Islander	More than 10,000
White	More than 5.3 million
Multiple Race	More than 210,000
Unknown*	More than 130,000
Total	More than 7 million
Adult Volunteers on the NMDP Registry by Ethnicity	
Hispanic or Latino (total number of volunteers indicating Hispanic or Latino ethnicity or race)	Nearly 690,000
Non-Hispanic	More than 6.3 million
Total	More than 7 million

**These donors were primarily recruited through international registries, which do not collect this information. Prior to October 2002, Hispanics and Latinos were not asked to identify race. Less than one percent of donors on the Registry have declined to identify themselves by race and ethnicity.*

Center for Cord Blood

The NMDP's Center for Cord Blood is a leader in cord blood banking with **22 cord blood banks** which includes 3 international banks—the largest single listing in the United States, with **nearly 90,000 cord blood units**.

- The NMDP's growing Network of cord blood banks **recruited nearly 20,000 cord blood units in 2008**.
- The NMDP provided **nearly 900 cord blood units for transplant in 2008**, an increase of nearly 40 percent over 2007.

Umbilical cord blood expands access to transplant therapy for patients from racially and ethnically diverse communities.

- In 2008, 36 percent of transplant patients from racially and ethnically diverse communities received a cord blood transplant.
- **Thirty-six percent of the cord blood units** listed by the NMDP cord blood banks are **from diverse racial and ethnic backgrounds**.

Cord Blood Units on the NMDP Registry by Race	
American Indian/Alaska Native	Nearly 200
Asian	More than 6,300
Black or African American	More than 6,000
Native Hawaiian or Other Pacific Islander	Nearly 100
White	More than 56,000
Multiple Race	More than 9,000
Total	Nearly 90,000
Cord Blood Units on the NMDP Registry by Ethnicity	
Hispanic or Latino (cord blood donors indicating Hispanic or Latino race or ethnicity)	More than 15,000
Non-Hispanic	Nearly 75,000
Total	Nearly 90,000