

## 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

- Every year, **more than 10,000 Americans get life-threatening diseases** that can only be cured with a bone marrow transplant from an unrelated donor. The patients do not have a family donor and transplant is their only hope for a cure.
- Since it began operations in 1987, the National Marrow Donor Program has **facilitated more than 30,000 marrow or blood cell transplants** for patients who do not have matching donors in their families.
- On average, the NMDP facilitates more than **300 transplants each month**, with more than **3,700 marrow and cord blood transplants in 2007**.
- 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 2007, **35 percent** of NMDP transplants— **nearly 1,300 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 2007, more than 1,100 requests for funds were approved and **more than 4 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 11 million donors and more than 290,000 cord blood units** on the global donor listing.

- This includes **nearly 7 million potential volunteer marrow donors** and **nearly 70,000 cord blood units** on the NMDP Registry, as well as donors listed through Bone Marrow Donors Worldwide (BMDW).
- On average, **33,000 new volunteers** join the NMDP Registry **each month**, **nearly 334,000 new volunteers each year**.
- The NMDP's Center for Cord Blood™ provides nearly **70,000 cord blood units from 24 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 **49 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 2007, CIBMTR published 33 articles in peer-reviewed journals and 32 abstracts, and it currently has 2 clinical studies and 221 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.

<b><i>Patients Served Since 1987, by Race and Ethnicity</i></b>	
American Indian/Alaska Native	More than 100
Asian	Nearly 800
Black or African American	More than 1,300
Native Hawaiian or Other Pacific Islander	24
White	Nearly 23,000
Hispanic (identified as either Hispanic or Latino ethnicity)	More than 1,900
<b>Total</b>	<b>30,000</b>

*Note: Historical data can be affected by updates to donor or patient race codes, disease codes and transplant dates.*

## Diversity of the NMDP Registry—Adult Donors

<b>Adult Volunteers on the NMDP Registry by Race</b>	
American Indian/Alaska Native	Nearly 80,000
Asian	More than 450,000
Black or African American	More than 515,000
Native Hawaiian or Other Pacific Islander	More than 8,700
White	More than 5 million
Multiple Race	More than 180,000
Unknown*	More than 1.5 million
<b>Total</b>	<b>Nearly 7 million</b>
<b>Adult Volunteers on the NMDP Registry by Ethnicity</b>	
Hispanic or Latino (total number of volunteers indicating Hispanic or Latino ethnicity or race)	More than 650,000
Non-Hispanic	More than 6.3 million
<b>Total</b>	<b>Nearly 7 million</b>

*\*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 **24 cord blood banks** which includes 3 international banks—the largest single listing in the United States, with **nearly 70,000 cord blood units**.

- The NMDP's growing Network of cord blood banks **recruited nearly 17,400 cord blood units in 2007**.
- The NMDP provided **nearly 650 cord blood units for transplant in 2007**, an increase of more than 144 percent over 2006.

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

- In 2007, **34 percent of cord blood units** provided by the NMDP for transplant **went to racially and ethnically diverse patients**.
- **Thirty-nine percent of the cord blood units** listed by the NMDP cord blood banks are **from diverse racial and ethnic backgrounds**.

<b>Cord Blood Units on the NMDP Registry by Race</b>	
White	Nearly 41,900
American Indian/Alaska Native	More than 150
Asian	More than 3,800
Black or African American	Nearly 4,500
Native Hawaiian or Other Pacific Islander	More than 60
Multiple Race	More than 7,600
<b>Total</b>	<b>Nearly 70,000</b>
<b>Cord Blood Units on the NMDP Registry by Ethnicity</b>	
Hispanic or Latino (volunteers indicating Hispanic or Latino race or ethnicity)	More than 11,000
Non-Hispanic	Nearly 59,000
<b>Total</b>	<b>Nearly 70,000</b>