

# Discover the power of your newborn's cord blood.

VIACORD Cord Blood Banking + Research®

## What's so special about your

## newborn's cord blood?

Your baby's umbilical cord blood is a valuable source of

noncontroversial stem cells. Cord blood stem cells,

like bone marrow stem cells, are free of political and ethical debate.

The benefits of cord blood stem cells are clear – cord blood has already

saved thousands of lives and medical researchers are now exploring

potential new uses for conditions like diabetes, heart disease and stroke.

We encourage you to read more about this remarkable

gift of nature and make an informed decision for your family.





## Stem Cells: The New Era in Medicine

Unlike most conventional medicines that treat symptoms, cellular medicines focus on correcting and/or replacing diseased or damaged cells.

Stem cells are the building blocks of organ tissue, blood and the immune system. Stem cells can also turn into other types of cells including heart, muscle and nerve cells.



## Future Potential of Stem Cells

#### Alzheimer's Disease

10% of those over age 65 will develop Alzheimer's, which currently includes 4.5 million Americans.

#### Heart Disease

The leading cause of death in U.S. (1 million every year) Currently, 12.6 million Americans suffer from Heart Disease.

#### Muscular Dystrophy

20,000-50,000 people are affected by Muscular Dystrophy annually.

#### Liver Disease

25 million Americans (1 in 12) are or have been afflicted with liver and biliary diseases. Up to 50% have no symptoms and the first sign of liver disease may be an abnormal blood test.

#### **Bone Regeneration**

Osteoporosis is a major public health threat for an estimated 44 million Americans, or 55% of people age 50 and older.

#### Skin & Tissue Regeneration for Burn Victims

80% of all burn injuries occur at home, primarily to children (250,000 per year). Burns are the leading cause of accidental death in children under the age of 2. Stroke

Every 45 seconds, someone in America has a stroke.

#### Lou Gehrig's Disease (ALS)

Every year, 10,000 new cases are diagnosed in the U.S. Once diagnosed, a patient's life-expectancy ranges from 3 to 5 years.

#### **Spinal Cord Injuries**

243,000 Americans suffer from spinal cord injuries. Over 40% of all cases are caused by vehicle accidents.

#### **Diabetes**

In the U.S. alone, 17.9 million people suffer from Diabetes and it is the 7th leading cause of death.\*

#### **Multiple Sclerosis**

An estimated 400,000 Americans are afflicted with MS. The cause is still unknown and relatives of affected people are 8 times more likely to contract the disease.

Disease statistics based on data acquired in 2006. Research into the ability of stem cells to treat these diseases is experimental. Cord blood stem cells may never be proven to be effective treatments for these diseases. \*CDC National Diabetes Fact Sheet, 2007. http://www.cdc.gov/diabetes/pubs/pdf/ndfs\_2007.pdf, accessed June 18, 2010.



## Cord Blood: A Premier Source of Stem Cells

Your baby's cord blood stem cells are a valuable potential medical resource for your baby and family. These valuable cord blood stem cells, like the stem cells found in bone marrow, are non-controversial and free of political and ethical debate surrounding other types of stem cells. Here's what we know about cord blood stem cells today:

- Cord blood stem cells are now used to treat nearly 80 life-threatening diseases including many cancers.
- A baby's cord blood stem cells have the potential to be used for the baby, siblings and other family members.
- ► A stem cell transplant using cells from the family is recognized as the best treatment option. Transplants from a family member have twice the success rate as transplants using donated cells from outside the family.\*
- New treatments with cord blood focus on regenerative medicine. This emerging field of medicine is centered around treatment for conditions such as juvenile diabetes, brain injury, and cerebral palsy, all of which have no cure today.

\*Gluckman, et al., New England Journal of Medicine 1997, pp. 373-381.

## Advancements in Cord Blood Stem Cells

	1988	2010	2020
Diseases treatable with cord blood	1	80	?
Number of cord blood transplants	1	20,000*	?
Number of family cord blood units banked	0	700,000+	?
Lifetime probability (by age 70) of undergoing a stem cell transplant**	1 in 1,700,000+	1 in 217**	?

- Cord blood stem cells are proven in the treatment of nearly 80 diseases.
  In the last 20 years, the number of diseases treated with cord blood stem cells has increased rapidly.
- New treatments with cord blood focus on regenerative medicine. This emerging field of medicine is centered around treatment for conditions such as juvenile diabetes, brain injury, and cerebral palsy, all of which have no cure today.

\*Broxmeyer, "Cell Stem Cell 6". 8 January 2010. Pp. 21-24 \*\*Nietfeld JJ et al. Biol Blood Marrow Transplantation. 2008;14:316-322.

## Diseases Currently Treated With Cord Blood Stem Cells

Below is a list of nearly 80 diseases that have been treated with cord blood stem cells.\* However, this list continues to grow as research advances.

#### Cancers

- Acute lymphoblastic leukemia (ALL)
- Acute myeloid leukemia (AML)
- Burkitt's lymphoma
- Chronic myeloid leukemia (CML)
- Juvenile myelomonocytic leukemia (JMML)
- Non-Hodgkin's lymphoma
- Hodgkin's lymphoma
- Lymphomatoid granulomatosis
- Myelodysplastic syndrome (MDS)
- Chronic myelomonocytic leukemia (CMML)

#### **Bone Marrow Failure Syndromes**

- Amegakaryocytic thrombocytopenia
- Autoimmune neutropenia (severe)
- Congenital dyserythropoietic anemia
- Cyclic neutropenia
- Diamond-Blackfan anemia
- Evan's syndrome
- Fanconi syndrome
- Glanzmann's thrombasthenia
- Juvenile dermatomyositis
- Kostmann's syndrome
- Pure red cell aplasia (PRCA)
- Shwachman-Diamond syndrome (SDS)
- Severe aplastic anemia
- Congenital sideroblastic anemia
- Thrombocytopenia with absent radius (TAR syndrome)
- Dyskeratosis congenita

#### **Blood Disorders/Hemoglobinpathies**

- Sickle-cell anemia (hemoglobin SS)
- HbSC disease
- Sickle B° thalassemia
- α-thalassemia major
- B°-thalassemia major (Cooley's anemia)
- β°-thalassemia intermedia
- E-β<sup>o</sup> thalassemia
- E-B+ thalassemia

#### **Metabolic Disorders**

- Adrenoleukodystrophy
- Gaucher's disease (infantile)
- Metachromatic leukodystrophy

- Krabbe disease (globoid cell leukodystrophy)
- Gunther's disease
- Hermansky-Pudlak syndrome
- Hurler's syndrome
- Hurler-Scheie syndrome
- Hunter's syndrome
- Sanfilippo's syndrome
- Maroteaux-Lamy syndrome
- Mucolipidosis type II, III
- a-mannosidosis
- Niemann-Pick disease, type A, B
- Sandhoff's disease
- Tay-Sachs disease
- Batten disease (inherited neuronal ceroid lipofuscinosis)
- Lesch-Nyhan syndrome

#### Immunodeficiencies

- Ataxia-telangiectasia
- Chronic granulomatous disease
- DiGeorge's syndrome
- IKK gamma deficiency
- Immune dysregulation, polyendocrinopathy X-linked
- Mucolipidosis type II
- Myelokathexis
- X-linked immunodeficiency
- Severe combined immunodeficiency
- Adenosine deaminase deficiency
- Wiskott-Aldrich syndrome
- X-linked agammaglobulinemia
- X-linked lymphoproliferative disease
- Omenn's syndrome
- Reticular dysplasia
- Thymic dysplasia
- Leukocyte adhesion deficiency
- Other
- Osteopetrosis
- Hemophagocytic lymphohistiocytosis
- Langerhans cell histiocytosis

#### Human Clinical Studies Using Cord Blood

- Type 1 diabetes
- Cerebral palsy
- Brain injury

\*Although the potential use of umbilical cord blood is expanding rapidly, the odds that a family member without one of these diseases will need to use their child's cord blood are low. There is no guarantee that the umbilical cord blood will be a match for a family member or will provide a cure. As with any transplant therapy, therapeutic success depends upon many factors beyond the stem cells themselves including patient condition, type of disease, recipient-donor relationship and matching, and other factors. A patient's own cord blood stem cells is not guaranteed to be a suitable treatment option for treating these genetic diseases.

### A real life story of cord blood helping families.



Geoff and Amber Patrick of Henderson, NV were blessed with 2 beautiful girls – Paris and Taylor. Life couldn't have been better. That was, until Taylor was diagnosed with leukemia

and needed a stem cell transplant. After searching for a suitable donor, the best candidate turned out to be her older sister, Paris. Taylor and Paris underwent the painful but necessary bone marrow stem cell transplant which sent the Leukemia into remission. The Patrick's life returned to normal and in November of the following year, they were blessed with a third beautiful daughter, Trinity. Because of what they had been through with Taylor, they decided to preserve Trinity's cord blood stem cells with ViaCord, just in case. Two years later, that simple decision turned out to be a life-saver for Taylor. Her Leukemia came back and her best chance for success was a cord blood stem cell transplant. Today, Taylor is a happy, healthy little girl – thanks to a seemingly simple decision by her parents to preserve her sister's cord blood with ViaCord.

#### To view a video of the Patrick Family story and others, visit: www.viacord.com/stories/video

Individual results may vary. Although the potential use of cord blood is expanding rapidly, the odds that a family member without a disease currently treatable with cord blood stem cells will need to use their child's cord blood are low. There is no guarantee that the cord blood will be a match for a family member or will be an appropriate or effective treatment.

## ViaCord: The Cord Blood Experts<sup>®</sup>



viaCord is a leader in cord blood storage and a strong supporter of cord blood research focused on finding new treatments using cord blood stem cells.

## ViaCord: The Cord Blood Experts®



samples for transplant.

## ViaCord's Cord Blood Collection & Processing Expertise

## **Collection Expertise**

Families choosing ViaCord have access to the Cell Sentinel<sup>™</sup> Collection Bag – the first FDA-Approved collection bag for use in a sterile environment required by C-sections.



## **Processing Expertise**



Only families choosing ViaCord have access to the expertise that comes from processing over 250,000 cord blood units in a Closed Processing System.

Each cord is processed by professionals trained in preparing stem cell samples for transplant. Our state-of-the art processing laboratory is the first Family Bank to utilize FDA-cleared automated processing technology. The quality of our processing is demonstrated by our extensive history of cord blood transplants. (Please refer to insert for a complete listing of our transplant history.)

## ViaCord's Cord Blood Testing & Storage Expertise

## **Testing Expertise**

ViaCord uses an advanced, FDA-cleared microbial detection system designed to provide transplant physicians with the information required for appropriate treatment.



## **Storage Expertise**



ViaCord's Processing Laboratory is a privately owned, state-of-the-art cord blood cryopreservation facility located just outside of Cincinnati. It is solely dedicated to processing and storing your baby's cord blood.



ViaCord's state-of-the-art Processing Laboratory is AABB-accredited, CLIA-certified and FDA-registered, and staffed by professionals trained in preparing stem cell samples for transplant. Our experience and expertise shows in our proven history of long-term cryobag storage and that we have now processed and stored the cord blood of over 250,000 newborns.

## ViaCord: The Cord Blood Experts<sup>®</sup>



### A real life story of cord blood helping families.



The Cannon family's pediatrician said it was just a stomach virus and that 5 yr. old Tyrone would soon be himself again. But when his illness worsened, further diagnosis

revealed the tragic news that Tyrone had developed aplastic anemia.

The Cannon's began to research drug treatment options, but quickly discovered that many of these options came with adverse side effects. Then, while watching TV one day, they saw a ViaCord commercial about preserving a newborn's cord blood stem cells. Since Tyrone's mother was expecting again, they decided to call ViaCord. Four months later, they gave birth to their daughter, Sania, and discovered her cord blood stem cells were a perfect match for Tyrone. A transplant was scheduled and Tyrone was infused with less than an ounce of his new sister's cord blood stem cells. Today, Tyrone's aplastic anemia is now in complete remission. For the Cannon family, what began with one simple phone call, turned out to be one of the smartest decisions they ever made.

#### To view video of this story and of other ViaCord success stories, visit: www.viacord.com/stories/video

Individual results may vary. Although the potential use of cord blood is expanding rapidly, the odds that a family member without a disease currently treatable with cord blood stem cells will need to use their child's cord blood are low. There is no guarantee that the cord blood will be a match for a family member or will be an appropriate or effective treatment.

## ViaCord Research Institute<sup>®</sup>



Through the ViaCord Research Institute<sup>®</sup> (VRI), we support research focused on developing potential new uses for cord blood. VRI's mission to support science, technology and medical treatments using cord blood stem cells affirms our commitment

to increase the value of cord blood to families. Our collaborations and support efforts also reflect our commitment to advancing science for our families.

## ViaCord's Collaborators

#### M.D. Anderson Cancer Center

The ViaCord Research Institute® and The University of Texas M.D. Anderson Cancer Center research collaboration is focusing on cord blood stem cell expansion system in adult transplantation. The study seeks to develop a method of treating more adults using cord blood stem cells. M. D. Anderson's Clinical Research Trial explores ViaCord's Co-Culture Expansion Technology, which may make it possible to use stem cells to treat even more patients by increasing the total number of stem cells available from a single cord blood unit.

#### Pfizer

Pfizer, the world's largest research-based biomedical and pharmaceutical company, will use ViaCord's proprietary Unrestricted Somatic Stem Cell lines in a platform for screening small molecules that impact the renewability, differentiation and function of stem cells. This work is anticipated to provide valuable insight into stem cell regeneration, which may ultimately lead to drugs and/or cell-based products that regenerate damaged or diseased tissues in the body.



#### The University of Massachusetts Medical School

The ViaCord Research Institute<sup>®</sup> will support the University of Massachusetts Medical School in its research efforts into the potential use of umbilical cord blood-derived stem cells in treating type 1 diabetes. Type 1 diabetes, which accounts for between five and ten percent of all diagnosed cases of diabetes, is an autoimmune disease, that occurs most often in children and young adults.

\*Pre-clinical Study: Kolger G., et al. Journal of Experimental Medicine 2004;200:123-135.

## ViaCord The Cord Blood Experts®

In addition to our quality cord blood banking service and continued commitment to research, there are several other reasons why ViaCord is a proven cord blood leader:

- ► FDA-registered, AABB-accredited and CLIA-certified
- The first FDA-approved cord blood collection bag designed for use in a sterile environment required by C-sections.
- Proven history of delivering viable units for transplant
- ViaCord's Quality Product Guarantee
- The ViaCord Gift Registry makes it easy for family and friends to participate in this valuable gift for your newborn

To learn more, call toll-free to speak with one of our clinical consultants, available 24-7: **1-866-835-0968** 

## ViaCord's Comprehensive Service.

Our comprehensive service takes care of every detail so you can focus on

more important things - like enjoying the first precious moments with your newborn.

1. Enroll. Enrolling with ViaCord couldn't be simpler. Just call one of our consultants or enroll on-line. No payment is due until the time of delivery.



2. Bring kit to hospital. Soon after you enroll, you'll receive ViaCord's Collection Kit. Keep it with your pre-packed hospital luggage as a reminder to bring it along. Call our 24/7 hotline in route to the hospital.



**3.** Call ViaCord after you give birth. After you give birth. the stem cell rich blood is collected

from the cord in a simple 2-4 minute procedure. Then, just call us and we'll handle all the transportation logistics.



4. Bedside pick-up by private courier. A private courier picks up your baby's cord blood from your hospital room and delivers it directly to our laboratory.



5. Processing & cryopreservation. Our state-of-the-art laboratory utilizes the most advanced science and technology to maximize



6. Long Term Storage. You'll receive a certificate of cryopreservation from us letting you know your baby's cord blood is safely stored at our laboratory.



TOLL FREE: 1-866-835-0968 / WWW.VIACORD.COM

# VIACORD'S COMPLETE

 $PACKAGE^{TM}$  (cord blood + cord tissue)

# even more potential health options

You already know saving the blood from your baby's umbilical cord gives your family potentially life-saving health options. Your baby's umbilical cord tissue contains a different type of stem cell that offers even more potential health benefits for your baby and your family!

#### **Research Studies Show Cord Tissue Stem Cells** have Tremendous Potential to Treat:

- Parkinson's disease<sup>1</sup>
- Liver fibrosis<sup>5</sup>
- Rheumatoid arthritis<sup>2</sup>
- Lung cancer<sup>6</sup>
- Stroke<sup>3</sup>
- Sports injuries (cartilage)<sup>7</sup>
- Type 1 diabetes<sup>4</sup>
- While there are no treatments available today using cord tissue stems cells, a significant amount of research is being done to understand the potential therapeutic

value of these cells. There are over 55 existing studies using cord blood stem cells that indicate how important these stem cells could be in the future<sup>8</sup>.

#### **Only ViaCord Families have Access to Treatment-Ready Cord Tissue Stem Cells**

When your baby's cord tissue arrives at our lab, the tissue is processed and stored and the stem cells are ready for medical use should your family need to utilize them.

References: 1. Fu Y-S, Cheng Y-C, Lin M-Y A, et al. Conversion of human umbilical cord mesenchymal stem cells in Wharton's jelly to dopaminergic neurons in vitro: potential therapeutic application for Parkinsonism. Stem Cells. 2006;24(1):115–124. Epub 2005 Aug 11. 2. Liu Y, Mu R, Wang S, et al. Therapeutic potential of human umbilical cord mesenchymnal stem cells in the treatment of rheumatoid arthritis. Arthritis Res Ther. 2010;12(6):R210. 3. Ding D-C, Shyu W-C, Chang M-F, et al. Enhance ment of neuroplasticity through upegulation of b1-integrin in human umbilical cord-derived stromal cell implanted stroke model. Neurobiol Dis. 2007;27(3):339–353. Epub 2007 Jun 18. 4. Anzoione R, Lo lacono M, Loria T, et al. Wharton's jelly mesenchymal stem cells as candidates for boto cells regeneration: extending the different tive and immunomdulatory benefits of adult mesenchymal stem cells for the treatment of type 1 diabetes. Stem Cell Rev. 2010; Cel 23. doi: 10.1007/s12(5):1



## PRICING

## **VIACORD SERVICE & STORAGE**

Enroll today, no payment due until you deliver!

#### Service Fees:

	Option 1: Cord Blood Banking	<b>Option 2:</b> Complete Newborn Stem Cell Package Cord Blood + Cord Tissue
One Time Processing Fee	\$1975	\$2820
Courier	\$150	\$150
First Year Storage*	\$125	\$275
Total First Year Fees	\$2250	\$3245 Save \$600**

\*After first year fees, an annual storage charge of \$125 for cord blood banking, \$150 for cord tissue banking, or \$275 for the Complete Newborn Stem Cell Package applies. \*\*Save \$600 when you buy cord blood and cord tissue stem cell banking together. Individually, cord tissue stem cell banking processing and extraction charge is only \$1295, plus shipping (\$150) and first year storage (\$150).

#### Monthly Payment Plan Options:

6 Months	\$385	\$551
12 Months	\$203	\$286
18 Months <sup>†</sup>	\$135	\$190
48 Months <sup>†</sup>	\$68	\$95

All payment plans include processing, private courier, and first year storage.

†18 and 48 month payment plans are subject to credit approval through Care Credit.

Annual Storage	\$125	\$275
Save \$82	5 off cord blood banking storage fees	or <b>\$1825</b> off
Complete Newborn Ster	n Cell Package storage fees when you	prepay the first 25 years!
Call to	find out more about our prepaid storage	ge options

NOTE: Pricing is for U.S., single births only. Same-day express delivery of kit is subject to additional fees. A \$150 fee will be charged if service is discontinued prior to delivery. The storage fee covers the long term cryogenic storage of your baby's stem cells at VPL<sup>TM</sup>, ViaCord's private state-of-the-art processing and cryopreservation facility. Pricing subject to change

TOLL FREE: I - 866 - 835 - 0968 / WWW.VIACORD.COM

VIACORD Cord Blood Banking + Research®





ViaCord has the highest published transplant survival rates and is the only family cord blood bank that publishes short and long-term survival rates.<sup>1</sup>

	INFUSIONS – FOR	EMER	GING	TREAT	MENTS			
Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Cerebral Palsy	Duke University, Durham, NC	04/12	2	22	Autologous (Self)	61	3.22	1.22
Cerebral Palsy	Duke University, Durham, NC	04/12	1	17	Autologous (Self)	66	8.09	5.33
Cerebral Palsy	Duke University, Durham, NC	03/12	2	21	Autologous (Self)	52	1.78	0.26
Cerebral Palsy	Duke University, Durham, NC	03/12	3	35	Autologous (Self)	150	8.24	6.86
Cerebral Palsy	Duke University, Durham, NC	02/12	1	11	Autologous (Self)	44	1.22	0.55
Cerebral Palsy	Duke University, Durham, NC	01/12	4	51	Autologous (Self)	73	3.04	0.57
Cerebral Palsy	Duke University, Durham, NC	12/11	1	16	Autologous (Self)	64	4.32	0.46
Hemophagacytic Lymphohistiocytosis	University of Chicago Medical Center, Chicago, IL	11/11	9	105	Autologous (Self)	91	5.40	NA
Cerebral Palsy	Duke University, Durham, NC	11/11	4	43	Autologous (Self)	108	14.16	11.98
Cerebral Palsy	Duke University, Durham, NC	09/11	4	44	Autologous (Self)	104	5.24	0.71
Cerebral Palsy	Duke University, Durham, NC	09/11	3	35	Autologous (Self)	85	7.12	1.74
Cerebral Palsy	Duke University, Durham, NC	09/11	3	34	Autologous (Self)	118	6.48	2.10
Hydrocephalus	Duke University, Durham, NC	09/11	3 Months	3	Autologous (Self)	109	5.83	1.70
Cerebral Palsy	Duke University, Durham, NC	08/11	3	30	Autologous (Self)	63	3.10	0.46
Cerebral Palsy	Duke University, Durham, NC	08/11	5	58	Autologous (Self)	109	7.75	6.63
Cerebral Palsy	Duke University, Durham, NC	07/11	5	54	Autologous (Self)	56	1.20	1.01
Cerebral Palsy	Duke University, Durham, NC	05/11	1	8	Autologous (Self)	76	3.13	0.50
Cerebral Palsy	Duke University, Durham, NC	04/11	6	73	Autologous (Self)	100	4.04	0.45
Cerebral Palsy	Duke University, Durham, NC	04/11	3	37	Autologous (Self)	102	7.37	2.47
Cerebral Palsy	Duke University, Durham, NC	04/11	1	10	Autologous (Self)	59	2.00	0.68
Cerebral Palsy	Duke University, Durham, NC	01/11	1	16	Autologous (Self)	64	9.82	2.74
Cerebral Palsy	Duke University, Durham, NC	01/11	2	27	Autologous (Self)	110	11.60	3.64
Cerebral Palsy	Duke University, Durham, NC	01/11	2	25	Autologous (Self)	90	2.93	2.42
Type 1 Diabetes	Shands University of Florida, Gainesville, FL	12/10	10	116	Autologous (Self)	108	6.00	1.40
Cerebral Palsy	Duke University, Durham, NC	12/10	4	52	Autologous (Self)	72	5.00	5.10
Cerebral Palsy	Duke University, Durham, NC	11/10	2	25	Autologous (Self)	88	6.50	2.44
Cerebral Palsy	Duke University, Durham, NC	11/10	4	48	Autologous (Self)	85	2.46	0.87
Cerebral Palsy	Duke University, Durham, NC	11/10	2 months	2	Autologous (Self)	57	1.90	1.68
Cerebral Palsy	Duke University, Durham, NC	11/10	1	14	Autologous (Self)	70	1.91	0.87
Cerebral Palsy	Duke University, Durham, NC	10/10	5	61	Autologous (Self)	134	8.23	3.36

	INFUSIONS – FOR EN	/IEKGII	NG IRE	AIME	NIS (con	t.)		
Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Cerebral Palsy	Duke University, Durham, NC	08/10	8	100	Autologous (Self)	126	10.50	5.80
Cerebral Palsy	Duke University, Durham, NC	07/10	1	13	Autologous (Self)	112	5.20	1.01
Cerebral Palsy	Duke University, Durham, NC	06/10	2	27	Autologous (Self)	68	2.09	0.38
Cerebral Palsy	Duke University, Durham, NC	06/10	7 months	7	Autologous (Self)	59	7.41	6.85
Hydrocephalus	Duke University, Durham, NC	05/10	2 months	2	Autologous (Self)	59	1.93	0.23
Cerebral Palsy	Duke University, Durham, NC	02/10	1	13	Autologous (Self)	119	8.98	4.58
Cerebral Palsy	Duke University, Durham, NC	01/10	8	95	Autologous (Self)	76	6.40	2.10
Cerebral Palsy	Duke University, Durham, NC	01/10	3	40	Autologous (Self)	121	10.14	3.38
Cerebral Palsy	Duke University, Durham, NC	01/10	4	46	Autologous (Self)	126	13.78	3.28
Type 1 Diabetes	Shands University of Florida, Gainesville, FL	12/09	7	83	Autologous (Self)	58	3.70	NA
Cerebral Palsy	Duke University, Durham, NC	12/09	2	27	Autologous (Self)	59	1.98	0.46
Cerebral Palsy	Duke University, Durham, NC	11/09	3	35	Autologous (Self)	77	8.35	2.50
Cerebral Palsy	Duke University, Durham, NC	11/09	3	39	Autologous (Self)	84	3.20	0.65
Cerebral Palsy	Duke University, Durham, NC	11/09	5	53	Autologous (Self)	98	6.44	2.78
Cerebral Palsy	Duke University, Durham, NC	10/09	1	17	Autologous (Self)	65	4.96	1.40
Cerebral Palsy	Duke University, Durham, NC	10/09	4	50	Autologous (Self)	81	2.66	NA
Cerebral Palsy	Duke University, Durham, NC	09/09	3	31	Autologous (Self)	158	11.88	6.38
Cerebral Palsy	Duke University, Durham, NC	09/09	4	48	Autologous (Self)	175	17.23	19.08
Type 1 Diabetes	Shands University of Florida, Gainesville, FL	09/09	7	77	Autologous (Self)	104	6.60	NA
Cerebral Palsy	Duke University, Durham, NC	09/09	4	42	Autologous (Self)	110	10.78	11.02
Cerebral Palsy	Duke University, Durham, NC	09/09	3	32	Autologous (Self)	115	7.49	1.39
Cerebral Palsy	Duke University, Durham, NC	09/09	3	31	Autologous (Self)	47	2.76	0.94
Cerebral Palsy	Duke University, Durham, NC	07/09	4	44	Autologous (Self)	86	5.40	0.84
Cerebral Palsy	Duke University, Durham, NC	07/09	2	24	Autologous (Self)	97	12.84	3.53
Cerebral Palsy	Duke University, Durham, NC	07/09	5	57	Autologous (Self)	52	3.23	0.67
Cerebral Palsy	Duke University, Durham, NC	06/09	3	32	Autologous (Self)	124	16.64	9.07
Cerebral Palsy	Duke University, Durham, NC	06/09	3	31	Autologous (Self)	48	1.80	0.10
Cerebral Palsy	Duke University, Durham, NC	06/09	2	21	Autologous (Self)	105	5.90	0.94
Cerebral Palsy	Duke University, Durham, NC	05/09	4	52	Autologous (Self)	111	7.57	4.53
Cerebral Palsy	Duke University, Durham, NC	04/09	8 months	8	Autologous (Self)	126	7.78	2.08
Cerebral Palsy	Duke University, Durham, NC	04/09	3	34	Autologous (Self)	60	2.48	1.47
Cerebral Palsy	Duke University, Durham, NC	04/09	4	33	Autologous (Self)	101	9.15	2.44
Cerebral Palsy	Duke University, Durham, NC	03/09	5	58	Autologous (Self)	118	5.92	2.24
Cerebral Palsy	Duke University, Durham, NC	03/09	8	93	Autologous (Self)	89	6.20	0.80
Cerebral Palsy	Duke University, Durham, NC	03/09	2	23	Autologous (Self)	95	5.18	1.45
Cerebral Palsy	Duke University, Durham, NC	02/09	1	13	Autologous (Self)	137	12.71	5.75
Cerebral Palsy	Duke University, Durham, NC	02/09	7	79	Autologous (Self)	86	5.20	0.80
Cerebral Palsy	Duke University, Durham, NC	02/09	9	107	Autologous (Self)	51	12.20	NA
Cerebral Palsy	Duke University, Durham, NC	02/09	7	81	Autologous (Self)	92	15.40	5.10
Cerebral Palsy	Duke University, Durham, NC	02/09	4	47	Autologous (Self)	80	2.09	1.63
Cerebral Palsy	Duke University, Durham, NC	01/09	6	71	Autologous (Self)	126	10.10	NA
Cerebral Palsy	Duke University, Durham, NC	01/09	4	44	Autologous (Self)	88	5.00	1.75
Cerebral Palsy	Duke University, Durham, NC	01/09	3	38	Autologous (Self)	101	8.83	1.80
Cerebral Palsy	Duke University, Durham, NC	12/08	2	27	Autologous (Self)	76	3.45	1.20
Cerebral Palsy	Duke University, Durham, NC	12/08	4	46	Autologous (Self)	84	2.95	1.16
Cerebral Palsy	Duke University, Durham, NC	12/08	3	40	Autologous (Self)	92	5.42	1.25
Cerebral Palsy	Duke University, Durham, NC	11/08	4	44	Autologous (Self)	80	3.07	0.53
Cerebral Palsy	Duke University, Durham, NC	09/08	1	16	Autologous (Self)	124	6.58	2.86
Cerebral Palsy	Duke University, Durham, NC	09/08	1	16	Autologous (Self)	69	3.48	0.25

## INFUSIONS - FOR EMERGING TREATMENTS (cont.)

Noreal LancerNoreal Londong PersonalNameSHAntagenetityNoNameNameGeneral PaySaka Matering, Manni, MCGroßRameR.AntagenetityNameS.S.NameNameS.S.NameS.Name <th>Disease Treated</th> <th>Facility</th> <th>Date of Use</th> <th>Recipient Age* (yrs)</th> <th>Time Stored* (months)</th> <th>Donor Relationship</th> <th>Collection Volume Received** (mL)</th> <th>Nucleated Cell Count (x10<sup>8</sup>)</th> <th>Total CD34+ Cells (x10<sup>6</sup>)</th>	Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Casab PartyDescriptions party is9300671Amagenetini11113.89300General PartyDescriptions is, harm, it0301Franzers224Antropyoffel10103223General PartyDescriptions is, harm, it0308444Antropyoffel10103223Tranzer Ear NayUncertylenes is framm, it0300444Antropyoffel10142743Type JanzaneStatistication is framm, it0300444Antropyoffel10142743Type JanzerMarco Istan Istation is framm, it0300444Antropyoffel101414141Type JanzerMarco Istation Istation istation is framm, it0300444Antropyoffel101641 </td <td>Type 1 Diabetes</td> <td>Shands University of Florida, Gainesville, FL</td> <td>08/08</td> <td>5</td> <td>64</td> <td>Autologous (Self)</td> <td>86</td> <td>5.16</td> <td>1.00</td>	Type 1 Diabetes	Shands University of Florida, Gainesville, FL	08/08	5	64	Autologous (Self)	86	5.16	1.00
Conversity      Sub larger plants, VC      PSP      Ensure      PI      Antigeneith      Sub      Sub  <	Cerebral Palsy	Duke University, Durham, NC	08/08	6	73	Autologous (Self)	131	8.38	13.62
Constanting      Data based products      OBM      P      P      Antidipacified      SP      P        General Pring      Data tennets, brahm M.      ORM      4      44      Antidipacified      SP      229        Branner, danning      Manticher Ministrager, Brain, Graves, BI      ORM      4      44      Antidipacified      SP      49.0        Dyp Tamour, Channer, Brain, Mark, Biole Ministrager, Brain, Sico Mark, Biole Minis	Cerebral Palsy	Duke University, Durham, NC	07/08	8 months	8	Autologous (Self)	58	5.81	2.28
Consoling      Data Internet Sector (Consoling)      Statute Processing (Consol	Cerebral Palsy	Duke University, Durham, NC	07/08	2	21	Autologous (Self)	55	2.02	0.53
Jammed, Dath Jay      Ubiners's free all hours, TA      6458      4      44      Analysis, CE      75      234      14.1        Tammed, Sun Liyy      Mater Christer Algorith, March TR      6468      4      44      Analysis, CE      035      4.25        Byge Traines      Water Christer Algorith, March TR      840      1      17      Anargser Christer      6.55      4.55        Byge Traines      Data Lever My, Surten, IE      B400      Regeneral Mile      Christer      Belleration      Construction      State      St	Cerebral Palsy	Duke University, Durham, NC	07/08	2	23	Autologous (Self)	119	9.70	2.90
Parametic Bain highry      Mean Globers Minold (Mean (IL)      6959      4      44      Avanages der      134      <	Traumatic Brain Injury	University General Hospital, Houston, TX	06/08	4	44	Autologous (Self)	76	2.96	1.43
Type in DiasesState insurger (Mode) Submited InfoStateStateStateStateStateDependent of the Opposed AnsenBate insurger (Mode) Submited InfoStateIII <t< td=""><td>Traumatic Brain Injury</td><td>Miami Children's Hospital, Miami, FL</td><td>06/08</td><td>4</td><td>44</td><td>Autologous (Self)</td><td>134</td><td>7.57</td><td>4.25</td></t<>	Traumatic Brain Injury	Miami Children's Hospital, Miami, FL	06/08	4	44	Autologous (Self)	134	7.57	4.25
Typeweisheline Corporation      Descent Fraction      Database      Descent Fraction      The sector      Sector      Provide Sector      Descent Fraction      Sector	Type 1 Diabetes	Shands University of Florida, Gainesville, FL	03/07	10	124	Autologous (Self)	82	6.10	3.90
Discase freated      Judity      Data      Part of the second	Dysgenesis of the Corpus Callosum	Duke University, Durham, NC	03/07	1	17	Autologous (Self)	133	13.97	6.26
Disease finited      Facility      of Use      Age Yeys      Store of Use Age Yeys      Sto		TR.	ANSPL	ANTS	Time	Donor	Collection	Nucleated	Total
Side Cell Disease      Onder Side Cell Disease      Other Side Cell Disease      Side Cell Diseas	Disease Treated	Facility	of Use	Age* (yrs)	Stored* (months)	Relationship	Volume Received** (mL)	Cell Count (x10 <sup>8</sup> )	CD34+ Cells (x10 <sup>6</sup> )
Basic Cell Disease      New York Response Notional, New York, NY      B012      3      B016      B017      B016      B017      B016      B017      B016      B017      B017      B017      B016      B017	Sickle Cell Disease	Children's Memorial Hospital, Chicago, IL	03/12	8	24	Sibling	57	1.68	0.55
Apptite Journel      Dates finiter Career Handle, Books, MAA      0012      12      19      Stells      6.64      0.64        Acots Mondprocess Lokemin      Othisters Handle Machel Career, Manglag, D.C.      00112      6      111      Stells      128      4.22      4.83        Financia Materia      Materia Fareer Claiker's Happid, Plank, DY      0112      6      7      Stells      93      4.83      1.13      5.83        Thansamina Mager      Lister Parkade Claiker's Happid, Plank, DX      0011      7      2.66      Stelling      10.33      1.83      5.83        Exem Traiseomin      UCCS Model Centre, Sen Transcore, CA      0011      7      2.67      Stelling      10.33      1.83      1.83        Acits Myhold Erstlearein      Chelens Materia Cleiner, Managaria, Mark      0011      7      2.7      Stells      10.00      1.83      1.83      10.00      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.83 <th< td=""><td>Sickle Cell Disease</td><td>New York Presbyterian Hospital, New York, NY</td><td>03/12</td><td>3</td><td>15</td><td>Sibling</td><td>131</td><td>20.10</td><td>12.09</td></th<>	Sickle Cell Disease	New York Presbyterian Hospital, New York, NY	03/12	3	15	Sibling	131	20.10	12.09
Autor Mysigenco. Laneurs      Clinitary Manual Metal Carex, Versigen, C.      C017      3      8      Stating      1066      5.23      2.83        Spream Amenia      Clinitary Spream Amenia      Maria Fase Clinitary Statisty, V      0171      66      11      String      138      6.23      4.83        Themmenia Majir      Lanite Rocket Clinitary Statisty, V      0171      6      11      Statisty      91      4.33      11.78      55.55        Either Thalesemia      Chifter's Medical Center, Statisty, X      0071      7      72      Statisty      91      4.33      11.78      55.55        Acht Mystein Cassima      Colder Statisty Medical Center, String Markan, Markan	Aplastic Anemia	Dana-Farber Cancer Insitute, Boston, MA	02/12	12	19	Sibling	86	5.64	0.94
Forest Areenia      City of thega buents, CA      01/12      6      11      Soling      128      6-2.2      4.88        Forest Areenia      Missia frem Claber Synthy Multal, Nu      01/12      66      7      Ssing      93      4.83      1.12        East Indicatenia      Lucle Packad Chider's Medici Center, Dalia, IX      0.911      14      22      Ssing      193      6.83      0.32        CE Bern Tradiscenia      U/GSF Medici Center, San Francesa, C.A      0.911      7      2.6      Ssing      193      6.83      0.31        Acute sympholacts Lealenia      Claber Multals (Laberia)      M/U/GSF Medicia Center, San Francesa, C.A      0.911      7      72      Ssing      193      4.83      0.81        Acute sympholacts Lealenia      Claber Multals (Laberia)      M/U/GSF Medicia Center, N/V      0.911      7      72      Ssing      110      4.35      Ssling      110      4.35      Ssling      110      4.35      Ssling      111      1.35      1.35        Ssick C Cl Disease      Caher Multal Center, San Francesa, CA      0.910      4      15      Ssling      1	Acute Myelogenous Leukemia	Children's National Medical Center, Washington, D.C.	02/12	3	8	Sibling	106	5.23	2.83
Interconitamenia      Mate factori Children's Worghul, Markala, MY      01/2      6      7      558king      91      4.81      1.22        Thatassemia      Luclle Pactori Children's Morginal, Pala Alan, CA      08/11      16      72      GBalage      91      4.83      1.32        Beach Trabassemia      LUCIS Marial Children's Mariance, CA      09/11      17      726      GBalage      161      2.38        Anner Mynicki Laskemia      LUCIS Marial Children's Mariance, CA      09/11      7      7.6      GBalage      17.3      2.88      0.31        Anner Mynicki Laskemia      Chene Children's Marial Center New York      03/11      7      2.7      SBalage      11.0      4.33      2.88      0.31        Scielic Cell Disease      Chener Children's Marial Center New York      03/11      0      18      SBalage      01/12      0.35      03/11      0.1      1.8      SBalage      01/12      0.32      1.8        Scielic Cell Disease      Chener Children's Morginal Aland, CA      0.910      4      1.5      SBalage      0.11      1.050      SSalage      0.11      1.050	Fanconi Anemia	City of Hope, Duarte, CA	01/12	6	11	Sibling	128	6.27	4.58
Theasenine Major      Under Netacia Children's Isoppit, No. (A)      0011      8      15      Siling      91      4.32      1.23        E Bete Thubusomia      UKSF Medical Center, Dalle, TX      0711      144      22      Siling      93      17.28      5.85        E Bete Thubusomia      UKSF Medical Center, Siling, TM (non-tra) Amplity Minimental Amplity Minimantal Minimental Amplity Minimantal Minimental Amp	Fanconi Anemia	Maria Fareri Children's Hospital, Valhalla, NY	01/12	6	7	Sibling	93	4.83	1.22
E Beta Thalssemia      Children's Medical Center, Dallas, TX      0711      14      22      Soling      103      11.78      5.85        F Beta Thalssemia      UCST Medical Center, Sin Francisco, CA      6511      7      28      Soling      879      6.19      2.31        Acate Myeloid Leademia      University of Mineresit Anglint Medical Center, Meditary Medical Center, New York      0511      7      28      Soling      100      4.32      1.48        Stable Cell Disease      Coher Orden's Medical Center, New York      0311      10      18      Soling      110      4.32      4.49        Stable Cell Disease      Coher Orden's Medical Center, New York      0311      10      18      Soling      111      6.33      113      2.33        Acate Myeloplase Leademia      Coher Orden's Medical Center, New York      0311      0.0      4      49      Soling      111      75      2.38        Acate Myeloplase Leademia      Coher Orden's Medical Center, New York      0910      4      49      Soling      111      7.53      2.31        Acate Myeloplase Liademia      Coheriter'S Medical Center, New York	Thalassemia Major	Lucile Packard Children's Hospital, Palo Alto, CA	08/11	8	15	Sibling	91	4.32	1.82
E Beta Thalossemia      UCC Medical Center, Sin Franceso, Arka Medical      0911      7      28      Soling      89      6.19      2.31        Acnte Mynoid Leukemia      Unitativity Minicards Ankar Medical      0511      2      Soling      78      2.66      0.31        Acnte Mynoid Leukemia      Colen-Childrer's Medical Center, New Yark      0311      7      77      Soling      1107      8.70      2.28        Solida Cell Disease      Colen-Childrer's Medical Center, New Yark      0311      10      18      Soling      114      6.40      1.00        Acate Mynoigenous Leukemia      Culter-Childrer's Medical Center, Cincinvati, OH      0211      7      26      Soling      114      10.0      15.55        Apalatic Acena      Childrer's Medical Center, Sinfrancos, CA      0910      4      49      Soling      111      12.52      11.7        Solida Cell Disease      Childrer's Medical Center, Sinfrancos, CA      0910      4      9      Soling      111      7.50      3.78        Acate Lymphobleatic Leukemia      Colenchildrer's Medical Center, Sinfrancos, CA      0910      4      2      Soling	E Beta Thalassemia	Children's Medical Center, Dallas, TX	07/11	14	22	Sibling	103	11.78	5.85
Acute Myeloid Leukemia      Ultimenzajor, Minenegalo, Min.      0      9      2      2      Sibing      78      2.86      0.31        Acute Lymphoblastic Leukemia      Cohen Childrer's Medical Center of New York, NY      03/11      7      27      Sibing      100      4.32      1.48        Sickle Cell Disease      Montat Simi Medical Center of New York, NY      03/11      10      18      Sibing      110      4.42      1.48        Sickle Cell Disease      Cinchen Childrer's Medical Center of New York, NY      03/11      10      18      Sibing      111      6.40      0.00        Acute Myelogenous Leukemia      LUSSF Medical Center, San Francisco, CA      09/10      4      49      Sibing      114      10.50      5.55        Aplasit Ameria      Childrer's Hospital of Ablama, Bimingham, AL      09/10      4      9      Sibing      111      7.50      3.71        Sickle Cell Disease      Manin Childrer's Hospital Ablama, Bimingham, AL      09/10      4      9      Sibing      111      7.50      3.71        Sickle Cell Disease      Manin Childrer's Hospital Bastande, Cok      09/10      4 <td>E Beta Thalassemia</td> <td>UCSF Medical Center, San Francisco, CA</td> <td>05/11</td> <td>7</td> <td>26</td> <td>Sibling</td> <td>89</td> <td>6.19</td> <td>2.31</td>	E Beta Thalassemia	UCSF Medical Center, San Francisco, CA	05/11	7	26	Sibling	89	6.19	2.31
Aute Lymphoblastic Leakemia      Cohen Children's Medical Center of New York, NY      0.911      7      2.2      Shiling      12.7      8.5.7      2.2.8        Sickle Cell Disasse      Mont Sinal Medical Center of New York, NY      0.911      1.8      1.16      Shiling      1.100      4.3.2      4.130        Sickle Cell Disasse      Cincinnal Children's Molgial Medical Center, Cincinnal, OH      0.911      7      2.6      Shiling      1.14      4.0.0      1.000        Acute Myelogenous Leakemia      UCSF Medical Center, San Francisco, CA      0.910      4      4.9      Shiling      1.01      7.0      2.92      1.1.7        Sickle Cell Disease      Children's Molgial d Alubana, FL      0.910      4      9      Shiling      1.01      7.50      3.7.2        Sickle Cell Disease      Children's Molgial Aluen, FL      0.910      4      9      Shiling      1.01      7.50      3.7.2        Sickle Cell Disease      Vandesbilt University Medical Center, Nachville, TN      0.910      6      2.4      Shiling      1.04      9.8      3.55      3.7.5        Acute Myelophasits Leakemia      Cole Chilinen's Molg	Acute Myeloid Leukemia	University of Minnesota Amplatz Medical Center, Minneapolis, MN	05/11	2	2	Sibling	78	2.86	0.31
Skick cell Disesse      Mount Sinal Medical Center, New York, NY      03/11      8      15      Sibling      100      4.32      1.48        Skick cell Disesse      Cincinnat Children's Medical Center, Chirchand, NJ      02/11      70      2.68      Sibling      114      6.40      1.50        Acutes Megioanus Lawkina      UCIS Medical Center, San Francizac, CA      0.9010      4      450      Sibling      1109      2.17      2.18        Acutes Megioanus Lawkina      Children's Hospital & Rearch Center Oakland, Oakland, CA      0.9010      4      9      Sibling      1109      2.17      2.18        Skick cell Disease      Children's Hospital & Rearch Center Oakland, Oakland, CA      0.9010      4      9      Sibling      111      7.50      3.78        Acute Lymphodiastic Leukemia      Cook Children's Medical Center, fard Warth, Toasa      68/10      4      9      Sibling      1111      7.50      3.78        Sicklic Cell Disease      Vandribi Lliversity Medical Center, fard Warth, Toasa      68/10      14      4.24      Audolgous (Self)      7.44      5.57      3.07        Cartitige-HaH Mpopialsi      Luekerskard Children'	Acute Lymphoblastic Leukemia	Cohen Children's Medical Center of New York	03/11	7	27	Sibling	127	8.57	2.28
Sickei call Disease      Cohen Children's Medical Center, Chindra, OH      0211      10      18      Shing      117      9.34      4.09        Sickle Cell Disease      Cincinnat Children's Medical Center, Cincinnat, OH      0211      7      26      Shihing      114      6.40      1.00        Acute Myelogenous Leakemia      Children's Medical Center, San Francisco, CA      0910      4      49      Shihing      141      11.05      5.55        Apalatika: Anomia      Children's Medical Center, San Francisco, CA      0910      4      49      Shihing      51      2.92      1.17        Sickle Cell Disease      Children's Medical Center, Nathwith, R.      0910      5      9      Shihing      71      6.53      1.74        Sickle Cell Disease      Mann Children's Medical Center, Nathwith, N      0710      6      24      Shihing      104      9.84      4.39        Carnitizer Halt Phypoliabit      Luele Pastard Children's Medical Center, Nathwith, N      0710      6      9      Shihing      116      5.55      3.07        Carnitizer Halt Phypoliabit      Luele Pastard Children' Molopital Infraduat Center, Cancinatal <t< td=""><td>Sickle Cell Disease</td><td>Mount Sinai Medical Center, New York, NY</td><td>03/11</td><td>8</td><td>15</td><td>Sibling</td><td>100</td><td>4.32</td><td>1.48</td></t<>	Sickle Cell Disease	Mount Sinai Medical Center, New York, NY	03/11	8	15	Sibling	100	4.32	1.48
Sckkh Cell DisesseCincinnati Children's Hospital Medical Center, Cincinnati, OH02/11726Sbling1146.40100Acute Myelogenous LeukemiaUCSF Medical Center, San Francisco, CA09/104449Sbling10/1912.172.18Aplasite AnemiaChildren's Hospital Alabama, Birningham, AL09/104449Sbling10/1912.172.18Sickle Cell DiseaseGhildren's Hospital Alabama, Birningham, AL09/10409Sbling11117.503.78Acute Lympholiastic LeukemiaCook Children's Medical Center, Nathile, TN09/1045Sbling1149.844.39Sickle Cell DiseaseMendeibiltminers Monghal Alaband, CA09/1045Sbling10.449.844.39Cartilage-Hair HypoplasiaLucile Packard Children's Medical Center, Nathile, TN07/10624Sbling13.4411.582.08Myelodysplasic SyndomeUniversity of Enarge, Gemany05/10442Autologous (SH)7.45.573.07Acute Lympholiastic LeukemiaCincinnat Children's Monghal Medical Center, Cincinnat, OH03/1069Sbling111112.334.48Sickle Cell DiseaseMedical University of Stander, Centang, Children's Monghal Medical Center, Washington DC10.0924Sbling113.44.553.75Acute Myeloid leukemiaChildren's Monghal Medical Center, Washington DC10.0924Sbling113.4<	Sickle Cell Disease	Cohen Children's Medical Center of New York	03/11	10	18	Sibling	117	9.34	4.09
Acute Myelogenous Leukemia      UCSF Medical Center, San Francisco, CA      09/10      4      15      Sibling      141      11.05      5.55        Aplasite Anemia      Children's Hospital & Rach Center Oakland, Oakland, CA      09/10      4      49      Sibling      109      12.17      2.18        Sickle Cell Disease      Children's Hospital & Rach Center, Oakland, Oakland, CA      09/10      4      9      Sibling      111      7.50      3.71        Acute Lymphoblastic Leukenia      Cook Children's Medical Center, Fort Worth, Teasa      08/10      4      9      Sibling      104      9.84      4.39        Cartiage Hair Hypoplasia      Lucle Packard Children's Hospital Standori, PlaA Ato, CA      07/10      6      2.44      Sibling      114      11.59      2.08        Myelodysplastic Syndrome      University of Erlangen, Erlangen, Germany      05/10      4      4.22      Autologous Gell      7.44      5.55      3.07        Acute Lymphoblastic Leukenia      Children's National Medical Center, Kinschillen, Thildren Si Kospital Madical Center, Washillen, Thildren Si Kospital Medical Center, Nashillen, Thi	Sickle Cell Disease	Cincinnati Children's Hospital Medical Center, Cincinnati, OH	02/11	7	26	Sibling	114	6.40	1.00
Aplasite AnemiaOhilden's Hospital of Alabama, Birmingham, AL09/10449Sibling10.9912.172.18Sickle Cell DiseaseChilden's Hospital & Rearch Center Oakland, Oakland, CA09/1049Sibling1117.503.78Acute Lymphoblastic LaukemiaCook Childen's Medical Center, Fort Worth, Feas09/1069Sibling10149.813.78Sckle Cell DiseaseVandebilt University Medical Center, Nashnile, TN07/106Sibling10449.844.02Cartilage Hair HypoplasiLucile Pacatar Childen's Hospital Asindre, Pia Abato, CA07/1069Sibling134411.582.08Cartilage Hair HypoplasiLucile Pacatar Childen's Hospital Asindre, Pia Abato, CA07/1069Sibling134615.553.07Medical Pacatar Childen's Hospital Asindre, Pia Abato, CA07/1069Sibling1129.602.97Thalassenia MajorCincinnat Childen's Hospital Medical Center, Cincinnati, OH03/1069Sibling1129.602.97Acute Lymphoblastic LeukemiaChildren's Hospital, Madical, Center, Washington C100924Sibling1129.602.97Acute Lymphoblastic LeukemiaChildren's Hospital, Madical, Center, Washington C100924Sibling11412.734.48Sickle Cell DiseaseDans-Farber Cancer Institute, Boston, MA07/09512Sibling1148.652.58 <td>Acute Myelogenous Leukemia</td> <td>UCSF Medical Center, San Francisco, CA</td> <td>09/10</td> <td>4</td> <td>15</td> <td>Sibling</td> <td>141</td> <td>11.05</td> <td>5.55</td>	Acute Myelogenous Leukemia	UCSF Medical Center, San Francisco, CA	09/10	4	15	Sibling	141	11.05	5.55
Sikkle Cell DiseaseOhidren's Hospital & Rearch Center Oakland, Cok09/1049Sibling512.921.17Sickle Cell DiseaseMiami Children's Hospital, Marni, FL09/10559Sibling1117.503.78Acute Lymphoblastic LeukeniaCook Children's Medical Center, Fort Worth, Texas08/1045Sibling7116.531.74Sickle Cell DiseaseVanderbilt University Medical Center, Kashville, TN07/10624Sibling1049.844.39Cartilage-Hair HypoplasiaLucile Packard Children's Hospital at Stanford, Palo Alto, CA07/10210Sibling13415.553.07Myelodysplastic SyndromUniversity of Elangen, Elangen, Germany05/10442Autologous Cell15.553.75Acute Lymphoblastic LeukeniaChildren's Hospital Medical Center, Cincinati, OH03/1069Sibling1129.602.97Acute Lymphoblastic LeukeniaChildren's Hospital, Indianapolis, IN03/0924Sibling1134.484.48Sickle Cell DiseaseMedical University of South Carolina, Charleson, SC11091047Sibling1142.734.48Acute Lymphoblastic LeukeniaRiley Children's Hospital, Indianapolis, IN08/0933Sibling1138.763.48Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/09512Sibling1108.552.58Sick	Aplasitc Anemia	Children's Hospital of Alabama, Birmingham, AL	09/10	4	49	Sibling	109	12.17	2.18
Sickle Cell DiseaseMiami Children's Hospital, Mami, R.09/1059Sibling11117.503.78Acute Lymphoblastic LeukemiaCook Children's Medical Center, Nashville, TN07/10624Sibling7146.531.74Sickle Cell DiseaseVanderbill University Medical Center, Nashville, TN07/10624Sibling11149.844.39Cartilage-Hair HypoplasiaLucle Packard Children's Hospital at Stanford, Palo Alto, CA07/10210Sibling1345.573.07Thalassemia MajorCincinant Children's Hospital Medical Center, Concinant, OH03/1069Sibling13615.553.75Acute Lymphoblastic LeukemiaCincinant Children's Hospital, Mani, R.03/101047Sibling11129.602.97Acute Lymphoblastic LeukemiaChildren's Hospital, Mani, R.01/091047Sibling11129.604.48Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC110091047Sibling111412.734.48Acute Lymphoblastic LeukemiaChildren's Matonal Medical Center, Washrington DC100924Sibling11363.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/09512Sibling11048.672.58Chronic Granulomatus DiseaseTeasas Children's Hospital, Mauston, TX07/09512Sibling11015.920.96 </td <td>Sickle Cell Disease</td> <td>Children's Hospital &amp; Rearch Center Oakland, Oakland, CA</td> <td>09/10</td> <td>4</td> <td>9</td> <td>Sibling</td> <td>51</td> <td>2.92</td> <td>1.17</td>	Sickle Cell Disease	Children's Hospital & Rearch Center Oakland, Oakland, CA	09/10	4	9	Sibling	51	2.92	1.17
Acute lymphoblastic LeukemiaCook Children's Medical Center, Port Worth, Texas08/1045Sibling716.5.31.7.4Sickle Cell DiseaseVanderbilt University Medical Center, Nashville, TN07/1062.4Sibling1049.8.44.3.9Cartilage-Hair HypoplasiaLucile Packard Children's Hospital at Stanford, Palo Alto, CA07/10210Sibling13411.5.82.08Myelodysplastic SyndromeUniversity of Erlangen, Erlangen, Germany05/1044.2Autologous (Self)7.45.5.73.07Thalassenia MajorCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling11615.5.53.75Acute Lymphoblastic LeukemiaCitry of Hope, Duarte, CA12.0954Sibling1129.602.97Acute Myeloid leukemiaChildren's National Medical Center, Washington DC10.0924Sibling114112.734.48Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling1348.763.48Chronic Granulomatus DiseaseDana-Farber Cancer Institute, Boston, MA07/09512Sibling1018.652.58Sickle Cell DiseaseMitris Hospital, Mouson, TX07/09512Sibling1018.652.58Sickle Cell DiseaseMitris Hospital Assearch Center Oakland, Oakland, CA06/0966Sibling1015.020.56	Sickle Cell Disease	Miami Children's Hospital, Miami, FL	09/10	5	9	Sibling	111	7.50	3.78
Sickle Cell DiseaseVanderbilt University Medical Center, Nashville, TN07/10624Sibling1049.844.39Cartilage-Hair HypoplasiaLucile Packard Children's Hospital at Stanford, Palo Alto, CA07/10210Sibling13411.582.08Myelodysplastic SyndromeUniversity of Erlangen, Erlangen, Germany05/10442Autologous (Self)745.573.07Actote Lymphoblastic LeukeniaCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling13615.553.75Actote Lymphoblastic LeukeniaCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling1129.602.97Actote Lymphoblastic LeukeniaChildren's National Medical Center, Washington DC10/0924Sibling114112.734.48Actote Lymphoblastic LeukeniaChildren's Hospital, Indianapolis, IN08/0933Sibling1348.763.48Chindin Granulomatus DiseaseDana-Farber Canter Institute, Boston, MA07/0966Sibling1108.652.58Sickle Cell DiseaseMt Sinai Medical Center, Washington, DC07/09911Sibling1015.920.96Sickle Cell DiseaseTexas Children's Hospital, Mouston, TX07/0966Sibling1108.652.58Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/0966Sibling <t< td=""><td>Acute Lymphoblastic Leukemia</td><td>Cook Children's Medical Center, Fort Worth, Texas</td><td>08/10</td><td>4</td><td>5</td><td>Sibling</td><td>71</td><td>6.53</td><td>1.74</td></t<>	Acute Lymphoblastic Leukemia	Cook Children's Medical Center, Fort Worth, Texas	08/10	4	5	Sibling	71	6.53	1.74
Cartilage-Hair HypoplasiaLucile Packard Children's Hospital at Stanford, Palo Alto, CA07/10210Sibling13411.582.08Myelodysplastic SyndromeUniversity of Erlangen, Germany05/10442Autologous (Self)745.573.07Thalassemia MajorCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling13615.553.75Acute Lymphoblastic LeukemiaCitry of Hope, Duarte, CA12/0954Sibling913.631.48Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC11/0910477Sibling11112.734.48Acute Lymphoblastic LeukemiaChildren's Haspital Indianapolis, IN08/0933Sibling1348.763.48Acute Lymphoblastic LeukemiaRiley Children's Hospital, Houston, TX07/0966Sibling1108.652.58Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/09911Sibling862.882.14Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling1015.920.96Sickle Cell DiseaseChildren's Haspital, Maini, FL04/09843Sibling1047.282.63Sickle Cell DiseaseMiani Children's Hospital, Maini, FL04/09519Sibling1047.282.63Sickle Cell DiseaseMiani Children's Hospital,	Sickle Cell Disease	Vanderbilt University Medical Center, Nashville, TN	07/10	6	24	Sibling	104	9.84	4.39
Myelodysplastic SyndomeUniversity of Erlangen, Erlangen, Germany05/10442Autologous (Sefh)745.573.07Thalassemia MajorCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling11615.553.75Acute Lymphoblastic LeukemiaCitry of Hope, Duarte, CA12/0954Sibling913.631.48Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC11/091047Sibling11112.734.48Acute Lymphoblastic LeukemiaChildren's National Medical Center, Washington DC10/0924Sibling1313.086.84Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling13148.763.48Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1108.652.58Sickle Cell DiseaseTexas Children's Hospital, Houston, TX07/09911Sibling1018.652.58Sickle Cell DiseaseChildren's National Medical Center, New York, NY07/09911Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital, Maind, FL04/09843Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital, Maind, FL04/09519Sibling1047.282.63Sickle Cell DiseaseMiani Children's Hospita	Cartilage-Hair Hypoplasia	Lucile Packard Children's Hospital at Stanford, Palo Alto, CA	07/10	2	10	Sibling	134	11.58	2.08
Thalassemia MajorCincinnati Children's Hospital Medical Center, Cincinnati, OH03/1069Sibling13615.553.75Acute Lymphoblastic LeukemiaCity of Hope, Duarte, CA12/0954Sibling913.631.48Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC11/091047Sibling1129.602.97Acute Myeloid leukemiaChildren's National Medical Center, Washington DC10/0924Sibling14112.734.48Acute Lymphoblastic LeukemiaBiley Children's Hospital, Indianapolis, IN08/0933Sibling13513.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1108.652.58Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09911Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital, Medical Center, New York, NY07/0966Sibling1108.652.58Sickle Cell DiseaseChildren's Hospital, Maimi, FL04/09843Sibling1105.920.96Sickle Cell DiseaseMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Sickle Cell DiseaseMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Sickle Cell DiseaseMe	Myelodysplastic Syndrome	University of Erlangen, Erlangen, Germany	05/10	4	42	Autologous (Self)	74	5.57	3.07
Acute Lymphoblastic LeukemiaCity of Hope, Duarte, CA12/0954Sibling913.631.48Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC11/091047Sibling1129.602.97Acute Myeloid leukemiaChildren's National Medical Center, Washington DC10/0924Sibling114112.734.48Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling13513.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1108.652.58Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09911Sibling1018.652.58Sickle Cell DiseaseChildren's Hospital, Research Center Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital, Miami, FL04/09843Sibling11330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09519Sibling1047.282.63Sickle Cell DiseaseMiami Children's Hospital, New York, NY01/09554Autologous (self)1076.813.17Sickle Cell DiseaseMiami Children's Hospital, New York, NY12/08742Sibling1237.752.56Sickle Cell DiseaseMiami Children's Mospital, New York, NY	Thalassemia Major	Cincinnati Children's Hospital Medical Center, Cincinnati, OH	03/10	6	9	Sibling	136	15.55	3.75
Sickle Cell DiseaseMedical University of South Carolina, Charleston, SC11/091047Sibling1129.602.97Acute Myeloid leukemiaChildren's National Medical Center, Washington DC10/0924Sibling14112.734.48Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling13513.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1108.652.58Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09911Sibling862.882.14Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital, Medical Center, Washington, DC06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling11330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling1047.282.63Fancon's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09554Autologous (Self)1076.813.17Sickle Cell DiseaseMemori	Acute Lymphoblastic Leukemia	City of Hope, Duarte, CA	12/09	5	4	Sibling	91	3.63	1.48
Acute Myeloid leukemiaChildren's National Medical Center, Washington DC10/0924Sibling14112.734.48Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling13513.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1108.652.58Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09911Sibling1018.652.58Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital & Research Center, Washington, DC06/09646Sibling11330.9414.55Sickle Cell DiseaseChildren's Hospital, Miami, FL04/09843Sibling13913.659.78Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling10076.813.17Non-Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089months9Autologous (Self)704.921.38Acute Lymphoblasti	Sickle Cell Disease	Medical University of South Carolina, Charleston, SC	11/09	10	47	Sibling	112	9.60	2.97
Acute Lymphoblastic LeukemiaRiley Children's Hospital, Indianapolis, IN08/0933Sibling13513.086.84Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1348.763.48Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09512Sibling1108.652.58Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling862.882.14Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling11330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling1047.282.63Sickle Cell DiseaseMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Sickle Cell DiseaseMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/08104Sibling1409.551.30	Acute Myeloid leukemia	Children's National Medical Center, Washington DC	10/09	2	4	Sibling	141	12.73	4.48
Sickle Cell DiseaseDana-Farber Cancer Institute, Boston, MA07/0966Sibling1348.763.48Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09512Sibling1108.652.58Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling862.882.14Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital & Research Center, Washington, DC06/09646Sibling13330.9414.55Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling13913.659.78Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling1047.282.63Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089months9Autologous (Self)704.921.30Acute Lymphoblas	Acute Lymphoblastic Leukemia	Riley Children's Hospital, Indianapolis, IN	08/09	3	3	Sibling	135	13.08	6.84
Chronic Granulomatus DiseaseTexas Children's Hospital, Houston, TX07/09512Sibling1108.652.58Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling862.882.14Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/09646Sibling17330.9414.55Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09843Sibling13913.659.78Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling1047.282.63Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1076.813.17Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/08104Sibling1409.551.30	Sickle Cell Disease	Dana-Farber Cancer Institute, Boston, MA	07/09	6	6	Sibling	134	8.76	3.48
Sickle Cell DiseaseMt Sinai Medical Center, New York, NY07/09911Sibling862.882.14Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling17330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling13913.659.78Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/08104Sibling1409.551.30	Chronic Granulomatus Disease	Texas Children's Hospital, Houston, TX	07/09	5	12	Sibling	110	8.65	2.58
Sickle Cell DiseaseChildren's Hospital & Research Center Oakland, Oakland, CA06/0966Sibling1015.920.96Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling17330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling13913.659.78Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/08104Sibling1409.551.30	Sickle Cell Disease	Mt Sinai Medical Center, New York, NY	07/09	9	11	Sibling	86	2.88	2.14
Sickle Cell DiseaseChildren's National Medical Center, Washington, DC06/09646Sibling17330.9414.55Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling13913.659.78Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089 months9Autologous (Self)704.921.38Acute Lymphoblastic LeukemiaUCLA, Los Angeles, CA12/08104Sibling1409.551.30	Sickle Cell Disease	Children's Hospital & Research Center Oakland, Oakland, CA	06/09	6	6	Sibling	101	5.92	0.96
Sickle Cell DiseaseMiami Children's Hospital, Miami, FL04/09843Sibling13913.659.78Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089 months9Autologous (Self)704.921.38Acute Lymphoblastic LeukemiaUCLA, Los Angeles, CA12/08104Sibling1409.551.30	Sickle Cell Disease	Children's National Medical Center, Washington, DC	06/09	6	46	Sibling	173	30.94	14.55
Fanconi's AnemiaMemorial Sloan-Kettering Cancer Center, New York, NY04/09519Sibling1047.282.63Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089 months9Autologous (Self)704.921.38Acute Lymphoblastic LeukemiaUCLA, Los Angeles, CA12/08104Sibling1409.551.30	Sickle Cell Disease	Miami Children's Hospital, Miami, FL	04/09	8	43	Sibling	139	13.65	9.78
Severe Aplastic AnemiaMD Anderson Cancer Center, Houston, TX01/09554Autologous (Self)1076.813.17Non- Hodgkin's LymphomaNew York-Presbyterian Hospital, New York, NY12/08742Sibling1237.752.56Primative Neuronal TumorChildren's Memorial Hospital, Chicago, IL12/089 months9Autologous (Self)704.921.38Acute Lymphoblastic LeukemiaUCLA, Los Angeles, CA12/08104Sibling1409.551.30	Fanconi's Anemia	Memorial Sloan-Kettering Cancer Center, New York, NY	04/09	5	19	Sibling	104	7.28	2.63
Non- Hodgkin's Lymphoma      New York-Presbyterian Hospital, New York, NY      12/08      7      42      Sibling      123      7.75      2.56        Primative Neuronal Tumor      Children's Memorial Hospital, Chicago, IL      12/08      9 months      9      Autologous (Self)      70      4.92      1.38        Acute Lymphoblastic Leukemia      UCLA, Los Angeles, CA      12/08      10      4      Sibling      140      9.55      1.30	Severe Aplastic Anemia	MD Anderson Cancer Center, Houston, TX	01/09	5	54	Autologous (Self)	107	6.81	3.17
Primative Neuronal Tumor      Children's Memorial Hospital, Chicago, IL      12/08      9 months      9      Autologous (Self)      70      4.92      1.38        Acute Lymphoblastic Leukemia      UCLA, Los Angeles, CA      12/08      10      4      Sibling      140      9.55      1.30	Non- Hodgkin's Lymphoma	New York-Presbyterian Hospital, New York, NY	12/08	7	42	Sibling	123	7.75	2.56
Acute Lymphoblastic Leukemia      UCLA, Los Angeles, CA      12/08      10      4      Sibling      140      9.55      1.30	Primative Neuronal Tumor	Children's Memorial Hospital, Chicago, IL	12/08	9 months	9	Autologous (Self)	70	4.92	1.38
	Acute Lymphoblastic Leukemia	UCLA, Los Angeles, CA	12/08	10	4	Sibling	140	9.55	1.30

Descent Treated      Earling      Bringson      Descent of a constraint of the section of the sec	TRANSPLANTS (cont.)								
Anti-procession      Bases and constraints, keeps,	Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Shoto(clines)      Shoto(clines), face (a) Shoto      No.      0 <td>Acute Lymphoblastic Leukemia</td> <td>Dana-Farber Cancer Institute, Boston, MA</td> <td>08/08</td> <td>6</td> <td>23</td> <td>Sibling</td> <td>134</td> <td>12.80</td> <td>10.12</td>	Acute Lymphoblastic Leukemia	Dana-Farber Cancer Institute, Boston, MA	08/08	6	23	Sibling	134	12.80	10.12
Mark bespens identitie      Aff Chien Strept of Kines, Name, CA      S20      2      3 Bing      90.      3 Bing      90.      3 Bing      90.      3 Bing      90.      3 Bing      70.        Traicionen Majo      Citiburs Strepton (Marco, Name, NA      6500      5      7      Bing      100.      10.      10.0        Amor production (Marco, Name, NA      6500      6      10.00      10.0<	Sickle Cell Disease	Schneider Children's Hospital, New Hyde Park, NY	08/08	9	91	Sibling	93	9.56	7.24
Second Discoi      Critikani Magin      Critikani Ma	Acute Myelogenous Leukemia	All Children's Hospital, St. Petersburg, FL	07/08	2	2	Sibling	80	3.80	0.80
Inducers: Major      U-31 Media (andity, its fractions, G.      95      9      91      914      944.04      944.04        Thatments Major      Univerly differings, An Adva, M.      66.08      9      950      150      160.0      160.00	Sickle Cell Disease	Children's Healthcare of Atlanta, Atlanta, GA	07/08	2	7	Sibling	76	3.82	1.73
Balancen May      Userarg of Mape, and abo, MA      Oral      2      46      Salay      11.1      11.00      11.01        Anaberg Machael, Lastein      Dask-Falle Grad Instate, Solan, MA      003      3      9      Status      11.01      5.43        Balancen, Marg      Daskerdy Minesce, Minespin, Ma      1007      5      9      Status      9      0.64      4.83        Solad Cell Drase      Daskerdy Minesce, Minespin, Mar, R      0.697      1      2      Status      11.0      6.23      5.33      1.0      6.23      5.33      1.0      6.23      5.33      1.0      6.23      5.33      6.11      5.0      6.23      5.33      1.0      6.23      5.33      6.0      6.23      5.33      6.0      6.23      5.33      6.0      6.23      5.33      6.0      6.0      6.0      7.0 <td>Thalassemia Major</td> <td>UCSF Medical Center, San Francisco, CA</td> <td>05/08</td> <td>5</td> <td>7</td> <td>Sibling</td> <td>124</td> <td>14.04</td> <td>2.44</td>	Thalassemia Major	UCSF Medical Center, San Francisco, CA	05/08	5	7	Sibling	124	14.04	2.44
Abor      proprioting training      Data Start correntation, locking, A      Quart      Q	Thalassemia Major	University of Michigan, Ann Arbor, MI	05/08	2	96	Sibling	133	30.00	10.29
Honstein Alge      Ory of type, Dam, (A      127      9      14      90hag      138      101      5.8        Maron Alema      Jasneerly of Marenezi, Maranghi, M      1007      10      20      58hag      94      1.45      6.65        Sold of Blease      Marin Challeweits (spaced, Maran, 14      1097      10      20      58hag      947      14.66      9.44        Sold of Blease      New North-Polyman Inguid, New Ale, M      0497      3      14      58hag      101      8.53      4.22        Christ Guindowids Deet      University of Molese, Ann Abo, M      0467      6      3      58hag      104      17.2      2.53      3.31        Sours Cenindom mare Informary      Christeri Cabera, Challewid, Nove Malabase, W      1867      6      3      58hag      103      15.62      2.65        Sours Cenindom mare Informary      Christeri Cabera, Challewid, Sours, Challewid, Malabase, W      1867      7      22      58hag      113      15.62      2.66      161        Ause Expendencia Leaderin      Dale University of Molese, Mark Albera, Malabase, W      1047      7      22	Acute Lymphoblastic Leukemia	Dana-Farber Cancer Institute, Boston, MA	01/08	3	9	Sibling	138	11.70	4.86
Finant Aderia      Ubberging Admission, Mineagels, Mill      1007      3      9      Shing      96      7.64      177        Sidk Call Disea      Dade University, Durin, NC      1007      10      23      Shing      107      10.655      6.55        Sidk Call Disea      base Nat Nethership Addison, Min, Tu      0007      3      14      Shing      111      6.53      4.23        Chenk Gaudanska Disea      base Nat Nethership Addison, Andru M      0607      6      3      Shing      184      152.20      2.03        Sover Carling additional much Different      Chellers' Marging additional Microbian, Microbian	Thalassemia Major	City of Hope, Duarte, CA	12/07	9	14	Sibling	130	10.18	5.38
Stell Callibure      Duble Hubberg Duty, Mart 12      1007      10      29      68hg      97      11.65      6.65        Sick Callibure      Mart 12 Hearsh Hubbr, Mart 12      0907      1      2      Siking      1107      1465      5.514      1121      6.514      6.514      6.514      1121      6.514      1121      6.531      6.131      1121      6.531      6.511      7.511      6.511      7.511      7.512      6.511      7.511      7.512      6.511      7.511      7.512      6.511      7.511      7.511      7.511      7.511      7.511      7.512      6.511      7.511      7.512      6.511      7.512      7.511      7.512      7.511      7.511      7.512      7.511      7.512      7.511      7.511      7.512      7.511      7.511	Fanconi Anemia	University of Minnesota, Minneapolis, MN	10/07	3	9	Sibling	98	7.64	1.77
Side Cull Dearse      Num Culters Hourd, Miner, L.      907      1      2      String      137      14.68      9.42        Solds Cull Dearse      New Yok-Perdynamin Books, New Yok, Perdynamin Bolew, Challer Minestry Micrigan, Am Adro. M.      9607      6      5      9      Sining      161      12.22      2.33        Beere Carbined Immung Defders      Chalmeri Mendynamin, Ruff, Michael Mi	Sickle Cell Disease	Duke University, Durham, NC	10/07	10	29	Sibling	97	10.65	6.65
Solar Callbases      Hew tod-Prephysics Hospital, New York, NY      0907      3      14      Solarg      121      8.83      4.23        Chenci Gamiolandara, Dissea      University of Robertse, Roberts, IV      0.607      6      2      Galarg      151      1.33        Same Applaability Internation      Childre's Hospital of Wiscamis, Missakae, WI      0.607      6      2      Galarg      151      152      0.33        Ands tynyholandar Lukerna      Childre's Hospital of Wiscamis, Missakae, WI      0.607      6      8      Solarg      151      155.9      0.23        Ands tynyholandar Lukerna      Unversity of ford Carlar, AppleH II, IC      0.907      7      20      Solarg      151      4.237      2.261        Bain Carler      Marci Childre's Kospital, Mani, TL      0.207      7      20      Solarg      51      1.22      4.99        Solard Carlar, Solardiana Lukerna      Ohitoris Kospital, Mani, TL      0.207      7      39      Solarg      51      1.22      4.99        Solard Carlar, Missawai      Ohitoris Kospital, Mani, TL      0.207      7      30      31      Solarg <td>Sickle Cell Disease</td> <td>Miami Children's Hospital, Miami, FL</td> <td>09/07</td> <td>1</td> <td>2</td> <td>Sibling</td> <td>197</td> <td>14.66</td> <td>9.48</td>	Sickle Cell Disease	Miami Children's Hospital, Miami, FL	09/07	1	2	Sibling	197	14.66	9.48
Editors Canadianazos Silvese      University of Nachesise, Ricchesis, HT      0607      5      9      Shing      88      7.55      1.33        Acute sympholatist Leakerin      University of Michigan, Ann Ado, NI      04007      4      35      Shing      151      152      3.31        Sever Sprake Kennin      Chicinatal Children's Kografi Michigan, Minola Qillo, University Michigan, Chique Millo, University Michigan, Chique Millo, University Michigan, Chique Millo, University Michigan, Children Michigan, Chique Millo, University Michigan, Children Michigan, Children Michigan, Millo, University Michigan, Children Michigan, Children Millo, University Michigan, Children Millo, University Millo, University Millo, University Millo, University Millon, University Millo,	Sickle Cell Disease	New York-Presbyterian Hospital, New York, NY	09/07	3	14	Sibling	121	8.93	4.23
Actat Lympholizis Cuckema      Unversity of McKigen, Am Arbor, Mi      0607      6      3      Spling      114      12.32      3.51        Sever Controle Minums Deliciney      Cinkines Tidenty Microsata, Mikawake, Mi      0607      6      8      Spling      1141      15.20      0.00        Sever Controle Minums Deliciney      Cinkinal Tidlewis Migrada, Cinhana, Dile      0607      6      8      Spling      111      16.56      2.06        Solid Cell Disease      Memory Oldewis Cink, accommile, RL      0407      7      2.2      Spling      111      4.37      2.26      0.68        Acate Lympholizatic Luckema      Dele Colvessity, Darkam, I/C      0407      7      2.9      Spling      112      4.47      0.43      0.07      4.75      0.68      0.66      0.68      0.67      10      4.76      0.68      0.68      0.62      0.68      0.62      0.68      0.67      0.68      0.68      0.68      0.67      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68      0.68	Chronic Granulomatous Disease	University of Rochester, Rochester, NY	06/07	5	9	Sibling	88	7.35	1.33
Sover Aplantic Axemia      Childen's Haspital of Miscania, Minaukes, W.      B607      4      4      Staling      141      15.20      0.00        Sever Combined Immure Deficienty      Cintomard Influent's Upsical, Cintona, DH      DS07      6      8      Saling      118      6.70      0.25        Acots Impositantic Linkensis      University of Neth Contins, Chapel HII, NC      0.807      6      39      Saling      1112      7.42      1.81        Acots Impositantic Linkensis      Dales Linkensis, Units, NK      0.407      7      22      Saling      7.11      4.57      2.26        Bain Grace      Miteri Childens', Hispital & Missital, Miteria, M      0.407      7      32      Saling      118      Antologonis      1.83      1.122      4.06        Acots Impoblicat Calentinia      Childens', Hispital & Baseon's Calentinia, Childensis, M      0.007      3      13      Saling      165      1.122      4.06        Sever Congrafia Neargeniai      Schwele Childens', Hispital & Childens', His	Acute Lymphoblastic Leukemia	University of Michigan, Ann Arbor, MI	06/07	6	3	Sibling	154	12.32	3.51
Sever Combined Immune Deficiency      Christmati Galdeers Hospital, Circlineas, OH      0.607      6      8      Sbling      108      6.70      0.25        Acate sympholisatic funkemis      University of Netm Cosine, Capeel HL NC      0.607      6      39      Stafing      1131      16.56      7.67        Stafie Cell Dassee      Nemous Children's fungita, Extrasmille, FL      0.4007      7      22      Staling      71      4.37      2.58        Acate sympholisatic funkemis      Data University Integral Research Centro Stafield, Stafield, CA      0.4007      7      39      Stafing      712      4.01        Acate Sympholisatic funkemis      Children's Morpital Children's Morpital, Change, L      0.4007      7      39      Stafing      76      3.08      0.522        Acate Sympholisatic Cuslemis      Children's Morpital, Change, L      0.4007      4      29      Stafing      76      3.08      0.522      4.023      Stafing      76      7.03      3.03        Stafic Cell Dassee      Chillren's Morpital Centre, Morpital, Printagatasiti, NV      0.007      7      7.1      Stafield Cell Dassee      Mount Shaf Medical Centre, New York	Severe Aplastic Anemia	Children's Hospital of Wisconsin, Milwaukee, WI	06/07	4	4	Sibling	141	15.20	0.30
Acute tympolatic (eduania      University of Numb Centline, Chape HII, NC      0507      6      99      Staling      151      16.56      706        Selic Cell Disease      Nemors Chilem's Cinc, Jacksmille, R.      0407      7      22      Sbling      112      7.42      1.61        Acute tympolatic Lealama      Dale University, Duhan, NC      0407      7      22      Sbling      71      4.37      2.26        Acute tympolatic Lealama      Childen's brought Abeaut, Mark      0307      7      39      Sbling      76      3.86      0.80      12.2      4.69        Sever Compental Nature      Childen's brought Alexat, Qualun, CA      0207      4      29      Sbling      76      3.86      0.82      3.8      0.81      0.50      1.22      4.09        Sever Compental Naturepenta      Childen's Worght Alexat, Qualun, CA      0.007      7      21      Sbling      12      7.77      3.8        Solic Cell Disease      Networkin-Media Center, Indexappoli, N      1006      3      1      Sbling      101      1.7.2      3.3        Solic Cell Disease      Vi	Severe Combined Immune Deficiency	Cincinnati Children's Hospital, Cincinnati, OH	06/07	6	8	Sibling	108	6.70	0.25
Sidé Cal Disase      Numaux Children's Cinic, Jacksonille, fL      0.407      10      24      Shiling      112      7.47      1.61        Actre Lymphobesics (zulema      Duie University, Dutram, IK      0.407      7      22      Shiling      71      4.37      2.26        Bain Caccer      Miani (Littleri's Hospital, Mian, IL      0.307      11 months      11      Auto Lymphobesics (Littleri's Moreiral Begel, Cittleri's Moreiral Calland, Caland, CA      0.207      3      13      Shiling      115      1.122      4.09        Severe Composital Neutroperia      Schneider Childeri's Hospital, Kee Hyle Park, IW      0.007      4      29      Shiling      76      3.08      0.92        Actar Mynlogenous Lackenia      Collinder Childer's Hospital, Media Cetter, Neu Yok, IV      0.100      7      2.11      Shiling      112      7.77      3.03        Side Cell Disese      Moreit Sinai Modical Cetter, Neu Yok, IV      0.100      7      2.11      Shiling      101      11.12      4.30        Side Cell Disese      Neu Yok-Phospitani Pandekenson, N	Acute Lymphoblastic Leukemia	University of North Carolina, Chapel Hill, NC	05/07	6	39	Sibling	151	16.56	7.06
Acute tymphoblastic Leukemia      Duke University, Durham, NC      0.407      7      22      Skibing      71      4.37      2.28        Bate Cancer      Maren Childrevi Kenoptal, Konzpla, Chicago, L      0.107      11 morths      11      Auto Symphoblastic Leukemia      Childrevi Kenoptal, Chicago, L      0.307      7      39      Skibing      152      16,00      4,76        Thalascening Mayo      Childrevi Kenoptal, New Hybe Park, NY      0.207      3      13      Skibing      166      2,77      1.30        Skible Cell Disease      Columbox, Childrevi Stepptal, Alexand, CA      0.007      8      38      Skibing      0.6      2,77      1.30        Skible Cell Disease      Childrevi Stepptal, Columbox, OH      0.107      7      2.1      Skibing      0.2      7.30      2.38        Skible Cell Disease      Mours Simi divers Cancer, Key VK (W)      0.107      7      2.1      Skibing      101      1.1.4      7.27      3.33        Skible Cell Disease      Mours Simi divers Mortal Mooptal, Mour Link, WY (M)      0.906      5      2.4      Skibing      101      1.1.4      7.22	Sickle Cell Disease	Nemours Children's Clinic, Jacksonville, FL	04/07	10	24	Sibling	112	7.42	1.61
Bealt Car(ert      Manni Childen's Hegolial, Manni, FL      0.907      11 months      11      Autor bypex/Self      5.88      2.65      0.68        Acute typepedbaskic Leukemia      Childre's Memoial Hospital, Chicago, IL      0.907      7      33      Sibling      132      16.70      4.76        Thatassemia Major      Childre's Memoial Hospital, Schwach Cetter Oskinn, Gakland, CA      0.907      4      29      Sibling      105      11.22      4.09        Severe Congenial Neuropenia      Schwacher Childre's Hospital, Hospital, Childre's Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hospital, Childre's Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hospital, Childre's Hospital, Hospital, Childre's Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hospital, Childre's Hospital, Childre's Hospital, Childre's Hospital, Hospital, Childre's Hospital, Hospital, Childre's Hos	Acute Lymphoblastic Leukemia	Duke University, Durham, NC	04/07	7	22	Sibling	71	4.37	2.26
Actine lymphoblestic leukemia      Children's Memorial Hospital, Chicago, II.      0.807      7      39      Sbling      1122      16.70      4.76        Thalossemia Major      Children's Hospital & Research Center Oakland, Oakland, CA      0.207      3      13      Sbling      105      11.22      4.09        Severe Congenital Metroperia      Schnieder Children's Hospital, Rowhyde Pari, NY      0.207      4      29      Sbling      76      3.08      0.02        Actine Myelogenous Leskemia      Children's Hospital, Rowhyde Pari, NY      0.007      4      29      Sbling      66      2.77      1.30        Sickle Cell Disease      Mount Sind Medical Center, New York, NY      0.107      14      22      Sbling      1127      7.77      3.33        Sickle Cell Disease      Mount Sind Medical Center, New York, NY      0.806      5      24      Sbling      1011      11.74      7.22        Sickle Cell Disease      New York-Preobperian Hospital, New York, NY      0.806      5      24      Sbling      101      11.74      7.22        Sickle Cell Disease      Yargina Commonweahth University, Rchronnd, VA      0.506	Brain Cancer	Miami Children's Hospital, Miami, FL	03/07	11 months	11	Autologous (Self)	58	2.65	0.68
Thatasemia Major      Childen's trooptal & Research Center Galdund, Galland, CA      0.007      3      13      Saling      105      11.22      4.09        Severe Congential Neutropania      Scheider Children's Hospital, New Hyde Park, NY      0.207      4      29      Saling      76      3.08      0.92        Auter Myelogenous Leakemia      Cliniben's Hospital Of Philadelphia, PA      0.107      8      38      Saling      92      7.30      2.33        Sickle Cell Disease      Mount Shing Medical Center, New York, NY      0.107      7      14      22      Saling      127      7.77      3.33        Sickle Cell Disease      Mount Shing Medical Center, New York, NY      0.006      3      1      Saling      101      11.74      7.20      3.33        Sickle Cell Disease      New York-Presbynerin Hospital, New York, NY      0.006      5      2.4      Saling      101      11.74      7.20      3.33        Sickle Cell Disease      New York-Presbynerin Hospital, New York, NY      0.0066      11      15      Saling      101      11.74      5.21        Siskle Cell Disease      New York-Presbynerin	Acute Lymphoblastic Leukemia	Children's Memorial Hospital, Chicago, IL	03/07	7	39	Sibling	132	16.70	4.76
Severe Congenital Neutropenia      Schneider Children's Hospital, Nev Hyle Park, NY      0.007      4      2.9      Sibling      76      3.08      0.92        Acute Mylelogenous Leukemia      Columbus Children's Hospital, Columbus, OH      0107      8      3.8      Sibling      66      2.77      1.30        Sickle Cel Disease      Children's Hospital of Philadelphia, Philadelphia, Philadelphia, PA      0107      1.4      2.2      Sibling      9.2      7.30      2.33        Acute Mylelogenous Leukemia      Mourt Shail Medical Center, New York, NY      0107      7      2.1      Sibling      107      7.07      3.33        Acute Mylelogenous Leukemia      ULU A.Io Andrejes, CA      1006      3      1      Sibling      101      11.74      7.22        Thalassenia Major      Hackenaad University, Richmond, VA      0506      6      18      Sibling      100      11.477      5.32        Sickle Cell Disease      Versity Medical Center, Hackenaad, NU      0506      11      15      Sibling      110      11.66      3.19        Sickle Cell Disease      Tease Children's Hospital, Houxton, TX      0606      13 </td <td>Thalassemia Maior</td> <td>Children's Hospital &amp; Research Center Oakland, Oakland, CA</td> <td>02/07</td> <td>3</td> <td>13</td> <td>Sibling</td> <td>105</td> <td>11.22</td> <td>4.09</td>	Thalassemia Maior	Children's Hospital & Research Center Oakland, Oakland, CA	02/07	3	13	Sibling	105	11.22	4.09
Acute Mydogenous Leukemia      Columbus Children's Hospital, Culumbus, OH      01/07      8      38      Sibling      666      2.77      1.30        Sickle Cell Disease      Children's Hospital of Philadelphia, Philadelp	Severe Congenital Neutropenia	Schneider Children's Hospital. New Hyde Park, NY	02/07	4	29	Sibling	76	3.08	0.92
Sicki Cell Disease      Children's isopital of Philadelphia, PA      OUID      1      2      Sicki Cell Disease      Pailon      2      3      2      3      2      3      2      3      2      3      3      3      Siking      9      2      3	Acute Myelogenous Leukemia	Columbus Children's Hospital, Columbus, OH	01/07	8	38	Sibling	66	2.77	1.30
Sick Cell Disease      Mount Snall Medical Center, New York, NY      0107      7      21      Shiling      12      7.77      3.03        Acute Myelogenous Leukemia      Riley Hospital for Childent, Indianapolis, IN      1206      3      3      Sibling      117      7.70      3.03        Acute Myelogenous Leukemia      UCLA, Los Angeles, CA      1006      3      1      Sibling      117      7.70      3.33        Sickle Cell Disease      New York-Prestyterian Hospital, New York, NY      0906      5      2.4      Sibling      1010      11.74      7.22        Thalassenia Major      Hackensack University Medical Center, Hackensack, NJ      0606      6      18      Sibling      119      11.66      3.19        Sickle Cell Disease      Virginia Commonwealth University, Richmon, VA      0506      7      313      Sibling      126      12.66      2.84        Situe Lymphobiastic Leukemia      Dubue University, Richmon, VA      0506      13      50      Sibling      126      12.66      2.84        Myelodysplastic Sundom      Datas University of Florida, Gainesville, FL      0306      5      7 <td>Sickle Cell Disease</td> <td>Children's Hospital of Philadelphia. Philadelphia. PA</td> <td>01/07</td> <td>14</td> <td>22</td> <td>Sibling</td> <td>92</td> <td>7.30</td> <td>2,93</td>	Sickle Cell Disease	Children's Hospital of Philadelphia. Philadelphia. PA	01/07	14	22	Sibling	92	7.30	2,93
Acute Myelogenous Leukemia      Riley Hospital for Children, Indianapolis, IN      12/06      3      3      Shing      83      6.58      195        Acute Myelogenous Leukemia      UCLA, Los Angeles, CA      10/06      3      1      Sibling      11/7      7.70      3.33        Sickle Cell Disease      New York-Preshyterian Hospital, New York, NY      09/06      5      2.4      Sibling      101      11.74      7.22        Thalassenia Major      Hackentack University Medical Center, Hackentack, NJ      08/06      6      18      Sibling      109      14.77      5.32        Sickle Cell Disease      Terass Children's Hospital, Houston, TX      06/06      11      15      Sibling      120      9.80      4.51        Shuckhman-Dianond Anemia      Clincinnati Children's Hospital, Clincinnati, OH      05/06      7      13      Sibling      126      12.66      2.84        Lymphoma      Shands University Of Florida, Gaineville, FL      04/06      3      35      Sibling      111      8.42      2.19        Myelodysplastic Syndrome      Children's Hospital of Philadelphia, Philadelphia, Philadelphia, Philadelphia, Philadelphia, Philade	Sickle Cell Disease	Mount Sinai Medical Center, New York, NY	01/07	7	21	Sibling	127	7,77	3.03
Acute Myelogenous Leukemia      UCLA, Los Angeles, CA      1006      3      1      Stelling      101      11.7      770      333        Sickle Cell Disease      New York-Prestyterian Hospital, New York, NY      0906      5      24      Sibling      101      11.74      722        Thalassemia Major      Hackensack University Medical Center, Hackensack, NJ      0606      6      18      Sibling      109      14.77      5.32        Sickle Cell Disease      Trexas Children's Hospital, Houston, TX      06006      11      15      Sibling      119      11.66      3.19        Sickle Cell Disease      Virginia Commonwealth University, Richmond, VA      0506      8      55      Sibling      120      9.80      4.51        Shwachman-Diamond Anemia      Cincinnati Children's Hospital, Cincinnati, OH      0506      7      13      Sibling      126      2.24      3.93        Acute Lymphoma      Shands University of Florida, Gainesville, FL      0406      3      35      Sibling      111      8.42      2.19        Myelodysplastic Syndine      Children's Hospital of Philadelphia, Philadelphia, Philadelphia, Philadelphia, Philad	Acute Myelogenous Leukemia	Riley Hospital for Children. Indianapolis. IN	12/06	3	3	Sibling	83	6.58	1.95
Sickle Cell Disease      New York Presbyterian Hospital, New York, NY      0006      5      24      Sibling      101      11.74      7.22        Thalassemia Major      Hackensack University Medical Center, Hackensack, NJ      08/06      6      18      Sibling      109      14.77      5.32        Sickle Cell Disease      Texas Children's Hospital, Houston, TX      06/06      11      15      Sibling      119      11.66      3.19        Sickle Cell Disease      Virginia Commonwealth University, Richmond, VA      05/06      8      55      Sibling      120      9.80      4.51        Shwachman-Diamond Anemia      Clincinnati Children's Hospital, Clincinnati, OH      05/06      7      13      Sibling      126      12.66      2.84        Lymphoma      Shands University, Of Florida, Gainexville, FL      04/06      3      35      Sibling      111      8.42      2.19        Myelodysplastic Syndrome      Children's Hospital of Philadelphia, PA      03/06      5      7      Sibling      121      9.09      0.91        Acute Lymphoblastic Leukemia      Kaprolani Medical Center for Women & Children's Hospital, PA      03/0	Acute Myelogenous Leukemia	UCLA. Los Angeles. CA	10/06	3	1	Sibling	117	7.70	3.33
Interfaction      Interfactor      Interfactor      Interfactor      Interfactor      Interfactor        Thalassemia Major      Hackensack University Medical Center, Hackensack, NJ      06/06      6      18      Sibling      109      14.77      5.32        Sickle Cell Disease      Virginia Commonwealth University, Richmond, VA      06/06      8      55      Sibling      120      9.80      4.51        Shwachman-Diamond Anemia      Cincinnati Children's Hospital, Cincinnati, OH      05/06      7      13      Sibling      126      12.66      2.84        Lympholastic Leukemia      Duke University, Durham, NC      05/06      13      50      Sibling      124      22.45      3.93        Thalassemia Major      Shands University of Florida, Gainesville, FL      04/06      3      35      Sibling      111      8.42      2.19        Myelodysplastic Syndrome      Children's Hospital of Philadelphia, PA      03/06      5      7      Sibling      121      9.09      0.91        Acute Lymphoblastic Leukemia      Kapi'olani Medical Center for Wome & Children, Honolulu, HI      01/06      5      2      Sibling <t< td=""><td>Sickle Cell Disease</td><td>New York-Presbyterian Hospital, New York, NY</td><td>09/06</td><td>5</td><td>24</td><td>Sibling</td><td>101</td><td>11.74</td><td>7.22</td></t<>	Sickle Cell Disease	New York-Presbyterian Hospital, New York, NY	09/06	5	24	Sibling	101	11.74	7.22
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Junit Cale LandonLandon HarringLandonLandonLandonLandonLandonSickle Cell DiseaseVirginia Commonwealth University, Richmond, VA05/06855Sibling1/29.804.51Shwachman-Diamond AnemiaCincinati Children's Hospital, Cincinati, OH05/06713Sibling865.613.88Acute Lymphoblastic LeukemiaDuke University, Durham, NC05/061350Sibling11/212.662.84LymphomaShands University of Florida, Gainesville, FL04/06335Sibling11/18.422.19Myelodysplastic SyndromeChildren's Hospital of Philadelphia, PA03/0657Sibling1219.090.91Acute Lymphoblastic LeukemiaKapi'olani Medical College, Valhalla, NY12/05710Sibling15416.663.28Severe Aplastic AnemiaNew York Medical College, Valhalla, NY12/05710Sibling17218.802.86AdrenoleukodystrophyDuke University, Durham, NC10/05439Sibling17218.802.86Sickle Cell DiseaseUniversity of Missispipi, Jackson, MS09/051112Sibling1752.6.805.40Sickle Cell DiseaseChildren's Hospital Research Center Oakland, Oakland, CA09/0558Sibling1053.420.56Sickle Cell DiseaseChildren's Memorial Hospital, Chicago, IL07/05813Sibling	Sickle Cell Disease	Texas Children's Hospital Houston TX	06/06	11	15	Sibling	119	11.66	3 19
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Antheometry HoumanConstruction of Houman, Mr.ConstructionFormationFo	Shwachman-Diamond Anemia	Cincinnati Children's Hospital Cincinnati OH	05/06	7	13	Sibling	86	5.61	3.88
Redict symphodiable centerDate Children's, Daminan, RecDoubleDiscTableDisc			05/06	13	50	Sibling	126	12.66	2.84
Charles interist of Honda, dates there is a construction of the second	lymphoma	Shande University of Florida, Gainesville, Fl	04/06	3	35	Sibling	120	22.45	3.03
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Acute LenkeniaKepi olam Medical celleter for Wolnent of Children's Monolula, IIIOrivosOO<	Acute Lymphoblastic Leukemia	Kapi'olani Modical Conter for Women & Children, Honolulu, H	01/06	5	2	Sibling	15.4	16.66	2.20
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Dickle Cell Disease    Children's Nospital & research Center Oakland, Oakland, CA    07/05    8    13    Stoling    99    9,48    0.77      Beta Thalassemia Intermedia    Children's Memorial Hospital, Chicago, IL    07/05    9    14    Sibling    120    5.02    1.34      Acute Lymphoblastic Leukemia    UC Davis Medical Center, Sacramento, CA    06/05    3    8    Sibling    105    15.32    5.87      Acute Myelogenous Leukemia    Children's Hospital & Research Center Oakland, Oakland, CA    05/05    3    2    Sibling    100    9.28    3.72      Acute Myelogenous Leukemia    University Medical Center, Tucson, AZ    03/05    4    28    Sibling    115    6.86    5.83		Childron's Hospital & Research Center Oakland, Uakland, CA	03/05	0	10	Cibling	00	20.00	0.77
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Acute Myelogenous Leukemia      Childreich Useriel of Ditationer State      Childreich Useriel of Ditationer State      Ostor      3      2      Stibling      100      9.28      3.72        Acute Myelogenous Leukemia      University Medical Center, Tucson, AZ      03/05      4      28      Sibling      115      6.86      5.83	Acute Lymphobiastic Leukemia	Children's Unersited & Descent Contexts of the standard	06/05	5	8	Sibling	105	15.32	5.8/
Acute myelogenous Leukemia University Medical Center, Tucson, AZ 03/05 4 28 Sibling 115 6.86 5.83	Acute iniyelogenous Leukemia	Children s Hospital & Research Center Oakland, Oakland, CA	05/05	3	2	Sibling	100	9.28	3./2
	Acute iniyelogenous Leukemia	University Medical Center, Tucson, AZ	03/05	4	28	Sibling	115	6.86	5.83

TRANSPLANTS (cont.)								
Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Thalassemia Major	Children's Memorial Hospital, Chicago, IL	03/05	5	13	Sibling	110	18.10	6.02
Fanconi Anemia	Cincinnati Children's Hospital, Cincinnati, OH	01/05	8	7	Sibling	88	3.15	1.00
Thalassemia Major	University of Michigan, Ann Arbor, MI	01/05	4	8	Sibling	144	15.14	3.86
Thalassemia Major	Duke University, Durham, NC	01/05	4	22	Sibling	96	7.30	2.48
Thalassemia Major	Memorial Sloan-Kettering Cancer Center, New York, NY	12/04	6	16	Sibling	137	8.22	2.23
Thalassemia Major	Children's Hospital & Research Center Oakland, Oakland, CA	12/04	5	25	Sibling	106	9.64	1.45
Thalassemia Major	All Children's Hospital, St. Petersburg, FL	11/04	15	37	Sibling	81	8.30	3.24
Ectodermal Dysplasia	Dana-Farber Cancer Institute, Boston, MA	10/04	5	7	Sibling	136	9.65	1.33
Thalassemia Major	UCSF Medical Center, San Francisco, CA	09/04	9	6	Sibling	127	13.32	13.78
Thalassemia Major	Hackensack University Medical Center, Hackensack, NJ	08/04	8	26	Sibling	84	5.10	1.40
Acute Myelogenous Leukemia	Primary Children's Medical Center, Salt Lake City, UT	02/04	2	4	Sibling	149	10.81	7.86
Sickle Cell Disease	New York Presbyterian Hospital, New York, NY	01/04	2	7	Sibling	80	3.04	1.15
Acute Lymphoblastic Leukemia	Children's Hospital, Denver, CO	12/03	3	12	Sibling	157	16.58	4.57
Thalassemia Major	Children's Hospital & Research Center Oakland, Oakland, CA	12/03	5	9	Sibling	112	8.25	1.51
Hurler Syndrome	University of Louisville, Louisville, KY	11/03	2	5	Sibling	78	2.76	1.48
Wiskott Aldrich Syndrome	Penn State Hershey Medical Center, Hershey, PA	10/03	2	2	Sibling	78	9.08	1.70
Acute Lymphoblastic Leukemia	Riley Hospital for Children, Indianapolis, IN	09/03	8	17	Sibling	99	9.85	2.17
Fanconi Anemia	Cincinnati Children's Hospital, Cincinnati, OH	08/03	5	80	Sibling	129	6.90	2.90
Acute Lymphoblastic Leukemia	Cincinnati Children's Hospital, Cincinnati, OH	08/03	6	44	Sibling	97	4.00	1.05
Diamond- Blackfan Anemia	Dana-Farber Cancer Institute, Boston, MA	08/03	7	14	Sibling	102	6.93	2.74
Sickle Cell Disease	Medical University of South Carolina, Charleston, SC	06/03	9	8	Sibling	120	16 50	12.96
Acute Lymphoblastic Leukemia	Fred Hutchinson Cancer Research Center Seattle WA	06/03	3	21	Sibling	96	6.20	5 51
Severe Aplastic Anemia	Dana-Farber Cancer Institute Roston MA	05/03	2	3	Sibling	109	10.51	2.9/
Thalassomia Major	UCSE Modical Conter San Eransisco CA	05/03	7	0	Sibling	02	5.92	1.24
	Organ Haalth & Science University, Partland, OP	05/03	,	2	Sibling	12/	2,05	0.96
Acute Myalagapaus Laukamia	New York Presbyterian Hespital New York NV	03/03	5	2	Sibling	107	17.41	0.25
Acute Imphoblastic Loukemia	Oregon Health & Science University, Portland, OP	01/02	7	2	Sibling	107	17.41	5.33
Mueledurplastic Sundrame	University of Mississippi Jackson MS	01/03	6	0	Sibling	105	12.10	5.21
	Tauca Transplant Institute Con Antonio TV	12/02	0	0	Sibling	00	7.42	1.00
Acute Wyelogenous Leukemia		12/02	2	5	Sibiling	70	15.20	1.00
	Lucie Packard Children's Hospital, Paio Alto, CA	10/02	4	4	Sibling	79	15.39	8.37
SICKIE CEII Disease	Memorial Sloan-Kettering Cancer Center, New York, NY	10/02	5	18	sibiing	95	7.00	2.68
Polyendocrinopathy, Enteropathy, X-linked Syndrome	Fred Hutchinson Cancer Research Center, Seattle, WA	09/02	2	6	Sibling	93	7.63	2.00
Acute Myelogenous Leukemia	Children's Hospital & Research Center Oakland, Oakland, CA	08/02	4	22	Sibling	109	4.40	1.31
Acute Myelogenous Leukemia	University of Nebraska, Omaha, NE	07/02	4	3	Sibling	157	11.54	4.89
Sickle Cell Disease	Texas Transplant Institute, San Antonio, TX	07/02	6	13	Sibling	72	5.40	2.52
Acute Myelogenous Leukemia	UCSF Medical Center, San Francisco, CA	06/02	2	1	Sibling	257	25.14	8.11
Chronic Granulomatous Disease	Hackensack University Medical Center, Hackensack, NJ	04/02	6	13	Sibling	98	7.20	0.86
Fanconi Anemia	University of Minnesota, Minneapolis, MN	04/02	3	16	Sibling	49	1.10	0.01
Thalassemia Major	Children's Hospital & Research Center Oakland, Oakland, CA	02/02	2	13	Sibling	147	17.80	2.78
Acute Lymphoblastic Leukemia	Johns Hopkins University, Baltimore, MD	01/02	5	5	Sibling	98	5.00	1.04
Neuroblastoma	Texas Children's Hospital, Houston, TX	12/01	6	67	Autologous (Self)	86	4.10	0.25
Sickle Cell Disease	Hackensack University Medical Center, Hackensack, NJ	12/01	14	32	Sibling	81	9.00	11.15
Thalassemia Major	Hackensack University Medical Center, Hackensack, NJ	11/01	7	8	Sibling	73	6.90	4.27
Sickle Cell Disease	University of Oklahoma, Oklahoma City, OK	11/01	7	20	Sibling	133	7.80	0.60
Acute Lymphoblastic Leukemia	Johns Hopkins University, Baltimore, MD	07/01	6	17	Sibling	112	9.40	1.15
Severe Aplastic Anemia	Memorial Sloan-Kettering Cancer Center, New York, NY	06/01	10	39	Sibling	122	10.80	5.40
Severe Aplastic Anemia	Mount Sinai Medical Center, New York, NY	04/01	2	20	Autologous (Self)	137	14.10	4.90
Thalassemia Major	Miami Children's Hospital, Miami, FL	12/00	4	23	Sibling	81	6.20	0.37

TRANSPLANTS (cont.)								
Disease Treated	Facility	Date of Use	Recipient Age* (yrs)	Time Stored* (months)	Donor Relationship	Collection Volume Received** (mL)	Nucleated Cell Count (x10 <sup>8</sup> )	Total CD34+ Cells (x10 <sup>6</sup> )
Thalassemia Major	Duke University, Durham, NC	12/00	3	11	Sibling	78	5.00	1.97
Acute Myelogenous Leukemia	University of Minnesota, Minneapolis, MN	11/00	3	4	Sibling	113	10.70	2.16
Severe Aplastic Anemia	Children's Hospital & Research Center Oakland, Oakland, CA	10/00	13	13	Sibling	96	7.32	0.44
Thalassemia Major	Children's Hospital of Orange County, Orange, CA	10/00	4	13	Sibling	114	13.00	4.46
Sickle Cell Disease	Lucile Packard Children's Hospital, Palo Alto, CA	07/00	4	25	Sibling	122	4.00	4.50
Thalassemia Major	Children's Memorial Hospital, Chicago, IL	06/00	4	16	Sibling	101	11.00	4.66
Sickle Cell Disease	University of North Carolina, Chapel Hill, NC	05/00	10	8	Sibling	132	15.00	3.72
Sickle Cell Disease	St. Judes Children's Research Hospital, Memphis, TN	02/00	8	23	Sibling	140	10.60	2.30
Sickle Cell Disease	Hackensack University Medical Center, Hackensack, NJ	09/99	2	9	Sibling	134	10.80	0.46
SKID/ Myelodysplastic Syndrome	Oregon Health & Science University, Portland, OR	09/99	7	7	Sibling	117	18.00	5.14
Fanconi Anemia	Johns Hopkins Hospital, Baltimore, MD	06/99	4	6	Sibling	148	15.10	16.00
Thalassemia Major	University of Chicago, Chicago, IL	12/98	2	7	Sibling	99	9.00	0.40
Thalassemia Major	UCSF Medical Center, San Francisco, CA	06/98	4	6	Sibling	110	8.40	0.90
Acute Myelogenous Leukemia	Rush University, Chicago, IL	12/97	4	<1	Sibling	94	7.10	1.10
Wiskott Aldrich Syndrome	Fred Hutchinson Cancer Research Center, Seattle, WA	11/97	3	4	Sibling	193	14.20	9.50
Severe Aplastic Anemia	Duke University, Durham, NC	09/97	3	9	Sibling	59	1.27	N/A
Acute Lymphoblastic Leukemia	University of Miami, Miami, FL	06/96	8	2	Sibling	95	7.40	2.40
Averages			5	26		104mL		

<sup>1</sup> National Marrow Donor Program<sup>®</sup>. Outcomes in unrelated hematopoietic cell transplantation: applying new data for referral and decision-making. Minneapolis, MN: National Marrow Donor Program<sup>®</sup>; Nov 2009. <sup>2</sup> Data on file. Sibling Donor Cord Blood Transplantation data. January 2012 N= 132

\*The recipient age and time stored have been rounded to the nearest whole number.

\*\*Anticoagulant included.

Infusions – For Emerging Treatments: Cord blood stem cell research to treat these additional diseases is experimental. These diseases are currently not considered treatable with cord blood stem cells and may never be considered effective in treating such diseases. The odds are relatively low that cord blood you elect to store will be used to treat a family member.

Transplants: All transplant recipients were conditioned with chemo/radiation prior to treatment.

Although the potential use of umbilical cord blood is expanding rapidly, the odds that a family member without one of these diseases will need to use their child's cord blood are low. There is no guarantee that the umbilical cord blood stem cells will not guarantee suitable treatment for all inherited genetic diseases. As with any transplant therapy, therapeutic success depends upon many factors beyond the stem cells themselves including patient condition, type of disease, recipient-donor relationship and matching, and other factors. Access to clinical trials is at the discretion of the clinical investigator.

VIACORD Cord Blood Banking + Research®



## Introducing...



## The ViaCord Gift Registry

## What is the ViaCord Gift Registry?

The ViaCord Gift Registry is a free online registry to announce that you've chosen to preserve your baby's cord blood with ViaCord and invite friends and family members to contribute to this special gift for your baby. It's the perfect way to guide baby shower guests and grandparents to an important baby gift that you would like their help in purchasing.

## How do I sign up?

Just visit www.viacord.com/giftregistry and create your own personal account using your Child ID number. If you have any further questions, click on the "Gift Registry FAQ's" link located at the bottom of the webpage or call 1-866-880-6563.

## How can my family participate?

After you register with the Gift Registry, enter the e-mail addresses of your friends, family, baby shower guests and grandparents, write a quick note and send them an e-mail. Your friends and family will then receive your e-mail message and will have the ability to contribute online to your ViaCord account through our secure web site. It's personal, convenient and secure.

To learn more, visit www.viacord.com/giftregistry



## **EDUCATIONAL PROGRAMS**

## DO YOU KNOW SOMEONE ELSE WHO IS EXPECTING?

At ViaCord, we believe every expectant family deserves to know about the life-saving potential of cord blood – which is why we created our Referral Rewards Program:

#### The ViaCord Referral Rewards Program

Simply provide us with the names of your expectant friends and we'll send them an in-depth information packet so they can make an informed decision about preserving their baby's cord blood stem cells for their family. As a special thanks, for every friend who banks with ViaCord, we'll send you a \$50 Gift Card to use anywhere American Express is accepted.

To learn more about ViaCord's Referral Rewards Program, call toll-free:

## 1-866-835-0968

or visit www.viacord.com/refer