

The LEO cohort consists of 113 dedicated professionals across a wide range of specialties and is continually growing. LEO collaborates across eight centers from around the country to build and maintain a diverse database of information and bio-specimens. Inside you will get a behind-the-scenes look at the core of our organization and how we keep the entire process running smoothly.



## NEWSLETTER

### YEAR 4

*Lymphoma Epidemiology of Outcomes*

"How has LEO impacted lymphoma cancer research?"

LEO Cohort is full of the best and brightest minds in lymphoma research. Our investigators, pathologists, statisticians, advocates, and coordinators are all top in the field. Bringing these minds together through the cohort has allowed for easy pooling of data and provided a platform for free exchange of ideas. It's exciting to think about what the LEO cohort will contribute to the field scientifically as it matures. Looking at the cohort from the lens of the patient, the greatest impact to lymphoma cancer research is the availability of information. LEO collects data about newly diagnosed patients and follows them over time; this allows the team to study how patients respond to treatments, identify areas of focus related to survivorship, and provide information that will positively impact clinical care of lymphoma. The cohort has already contributed a lot of information based on the number of publications to date and there are undoubtedly many more to come.

**Q & A Continued on Page 6**

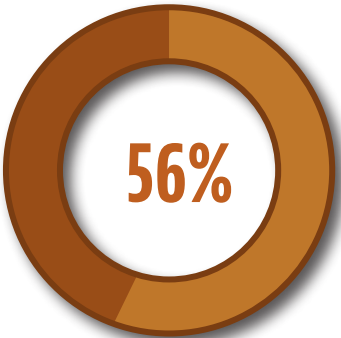




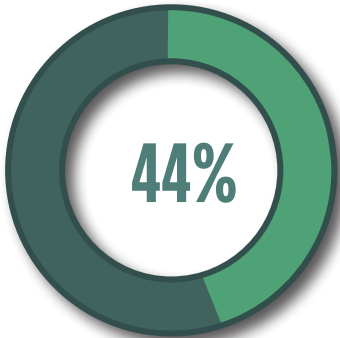
Approximately 80,000 people are diagnosed with NHL each year in the United States

There are more than 90 types of Non-Hodgkin Lymphoma (NHL)

## WHO IS PARTICIPATING?



Males

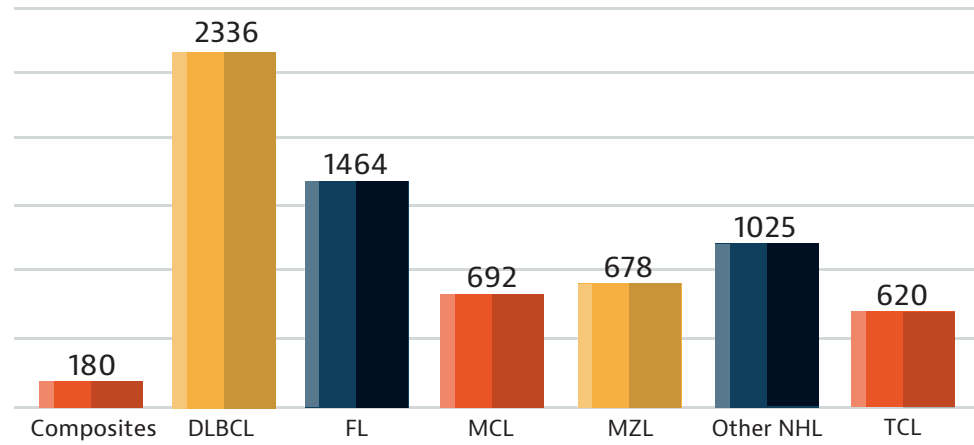


Females

LEO has collected a total of 66,762 vials of blood

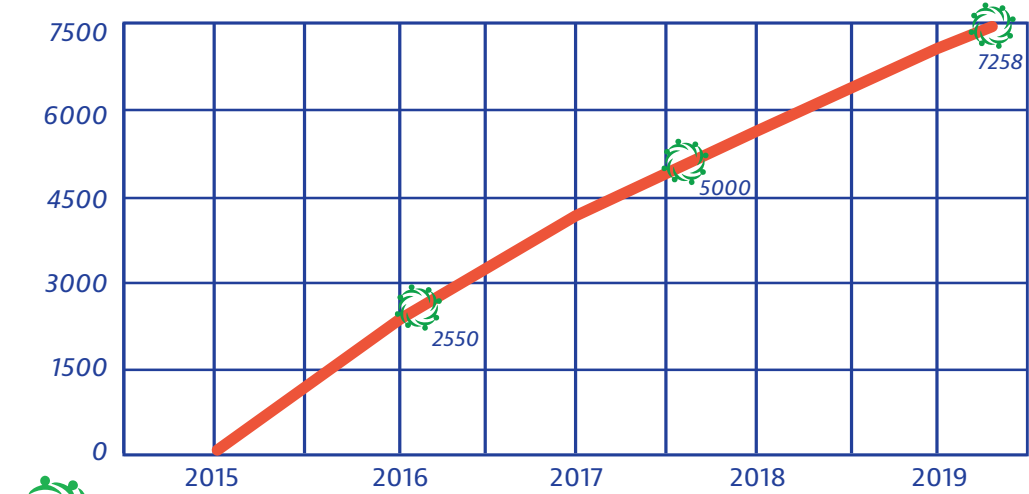


## TYPES OF LYMPHOMA?



Composites  
DLBCL: Diffuse Large Cell Lymphoma  
FL: Follicular Lymphoma  
MCL: Mantle Cell Lymphoma  
MZL: Marginal Zone Lymphoma  
NHL: Non-Hodgkin Lymphoma  
TCL: T-Cell Lymphoma

## ENROLLMENT MILESTONES



LEO Accrual by Age  
As of November 2019

Age	Total
18-30	276
31-40	476
41-50	860
51-60	1684
61-70	2069
71-80	1442
81+	424

In the last 4 years, the LEO Cohort study has held annual meetings attended by all staff members to discuss the previous year's research and goals for the year to come. Starting in 2019, this two day conference was split to allow for more specialized content between the investigators and the coordinator staff.

December of 2018, 35 LEO Investigators, Pathologists and the External Advisory Board, comprised of lymphoma experts external to LEO and a patient advocate, gathered in San Diego, California for a formal meeting. This allowed ample time and discussion focusing on scientific discoveries and collaborative proposals that will impact clinical practice in the future. This included discussing ongoing pathology projects focusing on genomics and outcomes. Quality assurance and infrastructure was a topic that was focused on in preparation for the upcoming NIH grant renewal submission that would allow us to continue our research mission.

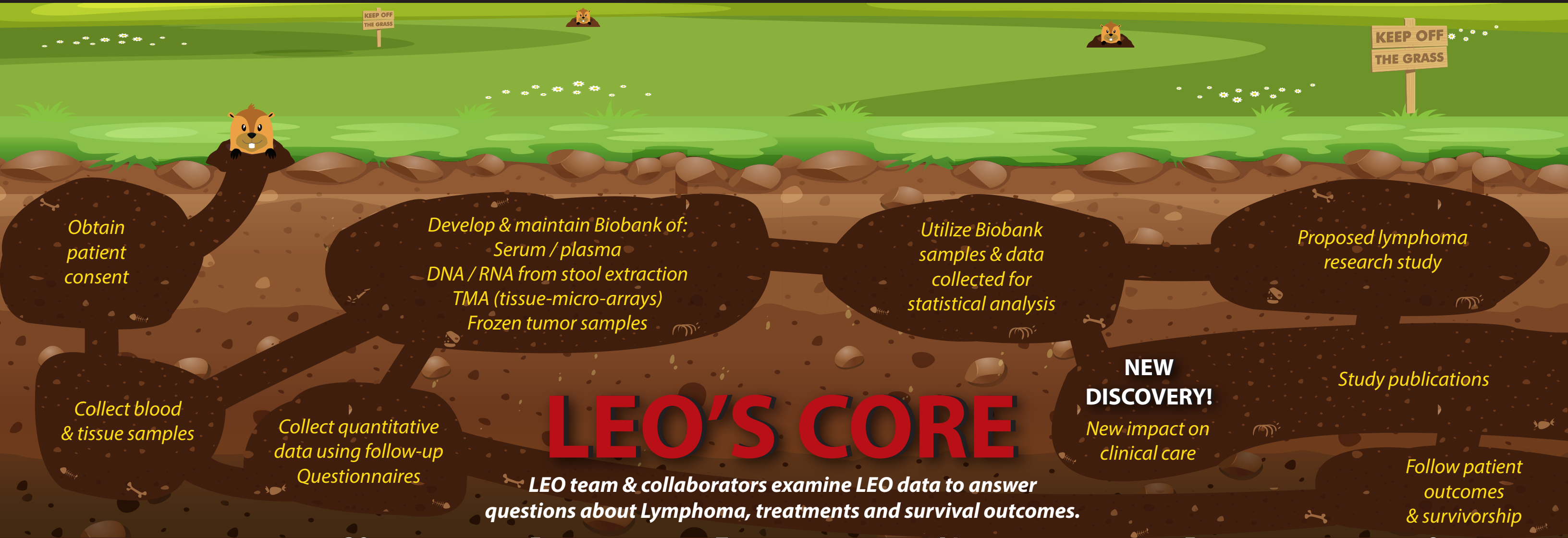
Coordinator staff met in January of 2019 in Miami, FL and worked together to update and create standard operation procedures across all of the LEO centers to ensure consistency throughout LEO. We also initiated coordinator lead breakout sessions that allowed us to take a deep dive into processes we use daily to continue to make LEO successful. It was also a great opportunity for coordinators to socialize with each other and establish better working relationships.





# Inside the World of LEO

LEO has developed and maintains a registry of lymphoma patients that includes data and samples for use in future research studies.



LEO is comprised of:		30	5	7	41	5	9
		Investigators	Pathologists	Statisticians	Study Coordinators	Lab Technicians	Administrative Staff





Julianne Lunde has been the Program Manager for the lymphoma research team at Rochester Mayo Clinic since 2007. Her main focus is on large-scale LEO operations and management of all eight sites across the country. Julianne graduated with a Master’s degree in Management at St. Mary’s University in Minneapolis, MN. Outside of her busy career she makes time for long distance running, home improvement projects, and spending time with her family.

1. How did you get started with LEO?

I have been fortunate enough to be part of the lymphoma research program since 2007 and the LEO Cohort from the ground up. When the LEO concept was born, we had been working directly with the University of Iowa through a SPORE grant since 2002. The LEO Cohort is an expansion of that project.

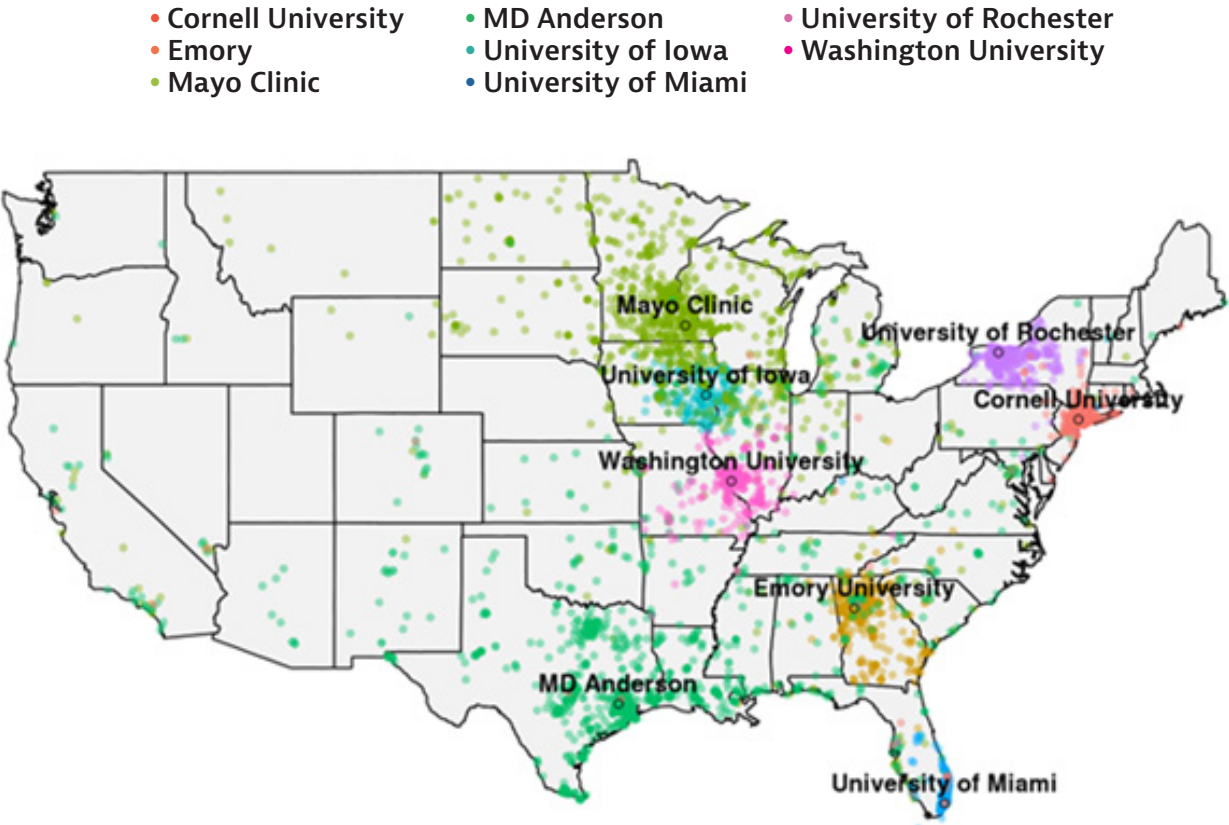
2. What would you say to the patients who are participating in the LEO study?

Thank you for taking the time to participate in the study! I know that participation can be just “one more thing” in an already busy, overwhelming time. By completing the questionnaires and providing your blood sample, you are contributing invaluable information towards finding broad answers about lymphoma, helping the team learn about survivorship, and adding important data to future discoveries for potential treatments.

3. What are some of your favorite foods?

Tacos, cake, white chicken chili...I really like all foods!

Spot Map of LEO Participants Location as of 2019



**Weill Cornell Medical College**  
Left to Right: Vincent Sarno, Erica Bhavsar, Dr. John Leonard, (in front) Jessica Harper, Arcania Garcia- Andujar, and Dr. Peter Martin



**University of Iowa-Holden Comprehensive Cancer Center**  
Left to Right: Ashley McCarthy, Angela Merriss, Janice Cook-Granroth, Dr. Brian Link, Dr. Umar Farooq, Dr. Sergei Syrbu



**UT MD Anderson Cancer Center**  
Left to Right: Sandy Ashkar, Dr. Loretta Nastoupil, Jiffin John, Bianca Bowden



**URMC James P. Wilmot Cancer Institute**  
Left to Right: Dr. Carla Casulo, Dr. Paul Barr, Dr. Louis Constine, Dr. Andrew Evans, Dr. Clive Zent, Michael Brady, Jocelyn Doehtler, Dr. Patrick Reagan, Lynn Rich, Dr. Jonathan Friedberg, Don Burns, Dr. Richard Burack



**Washington University School of Medicine in St. Louis**  
Left to Right: Dr. Kiran Vij, Dr. Brad Kahl, Katrina Peterson



**University of Miami**  
Left to Right: Dr. Izidore Lossos, Dr. Jennifer Chapman, Neslihan Yorukoglu, Rafael Lopez



**Emory University**  
Left to Right: Oscar Calzada, Jordan Brown, Dr. Christopher Flowers, Cathy Ho, Amy Ayers, Colin O’Leary Not pictured: Barbara Copeland, Dr. Leon Bernal-Mizrachi, Dr. Kevin Ward, Dr. David Jaye



**Mayo Clinic**  
Front Row (Left to Right): Dr. James Cerhan, Dr. Thomas Habermann, Shaun Riska, Dr. Carrie Thompson, Devin Copley 2nd Row (Left to Right): Melissa Larson, Tanner Reicks, Julianne Lunde, Sara Borgschatz, Rachel Benson, Matthew Holets 3rd Row (Left to Right): Lindsey En, McKenzie Kline, Aymen Murdos, Christina Stenzel, Emma Chadbourn Not pictured: Dr. Andrew Feldman, Dr. Thomas Witzig, Matthew Maurer



# Contact Your LEO Center

*Visit our website!*



*LEO Cohort.org*

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## **MAYO CLINIC**

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## **URMC JAMES P. WILMOT CANCER INSTITUTE**

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## **EMORY UNIVERSITY**

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## **WASHINGTON UNIVERSITY SCHOOL OF MEDICINE IN ST. LOUIS**

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