

Dr. Jonas Mattsson

# Allo BMT Program Overview

# Allo BMT Research Program Overview



**Transform Transplant Outcomes:** Advance personalized protocols, targeted therapies, and long-term monitoring to improve survival, reduce toxicity, and prevent recurrence.



**Expand Access and Eligibility:** Pioneer less toxic conditioning and home-based care models to make transplant safer for older adults.



**Advance Immune & Cell-Based Therapies:** Develop novel cell therapies to reduce GvHD and enhance transplant safety and effectiveness.



**Broaden Impact Beyond Blood Cancers:** Apply Allo BMT and gene therapy to diseases like sickle cell and thalassemia expanding the reach of our innovations and discoveries.

The Princess Margaret Cancer Foundation UHN



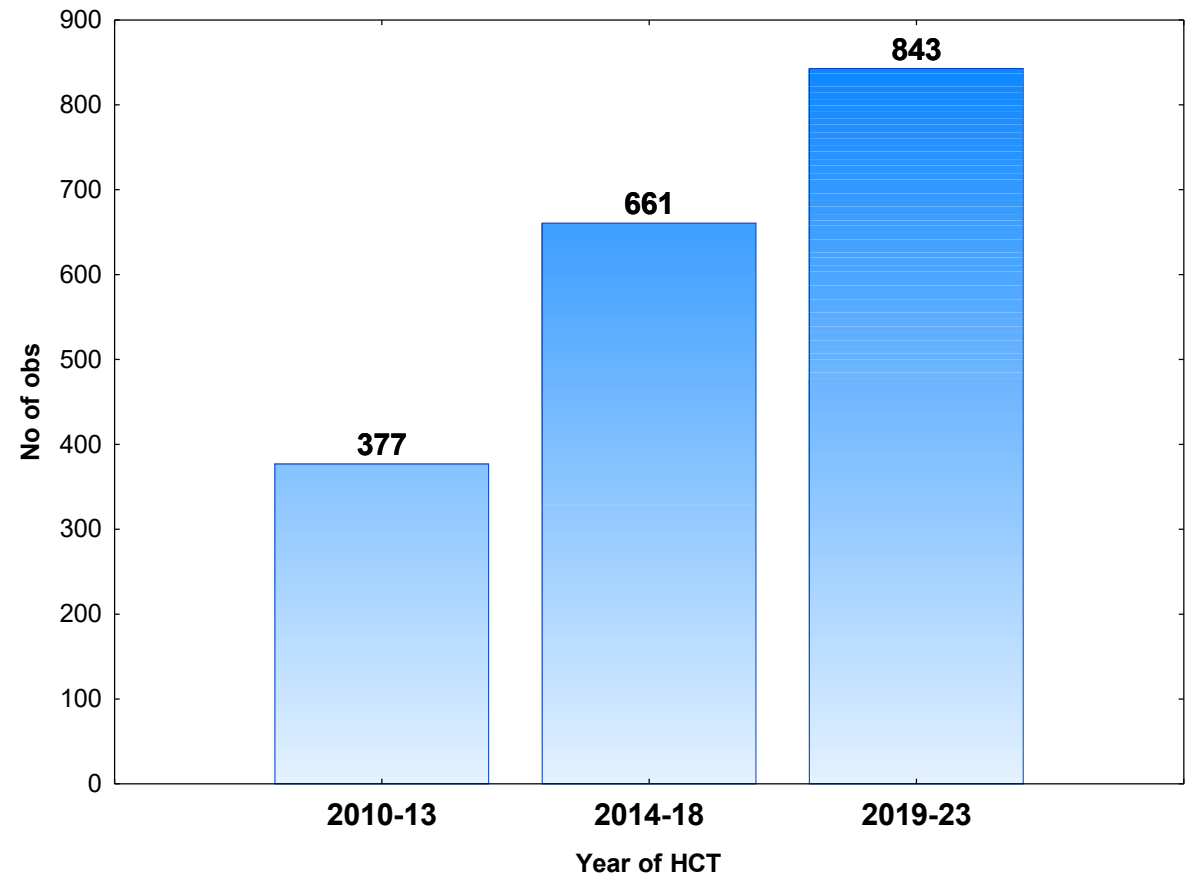
# Allo BMT Program at PM 2010 - 2023

Period I (2010 - 2013)

Period II (2014 - 2018)

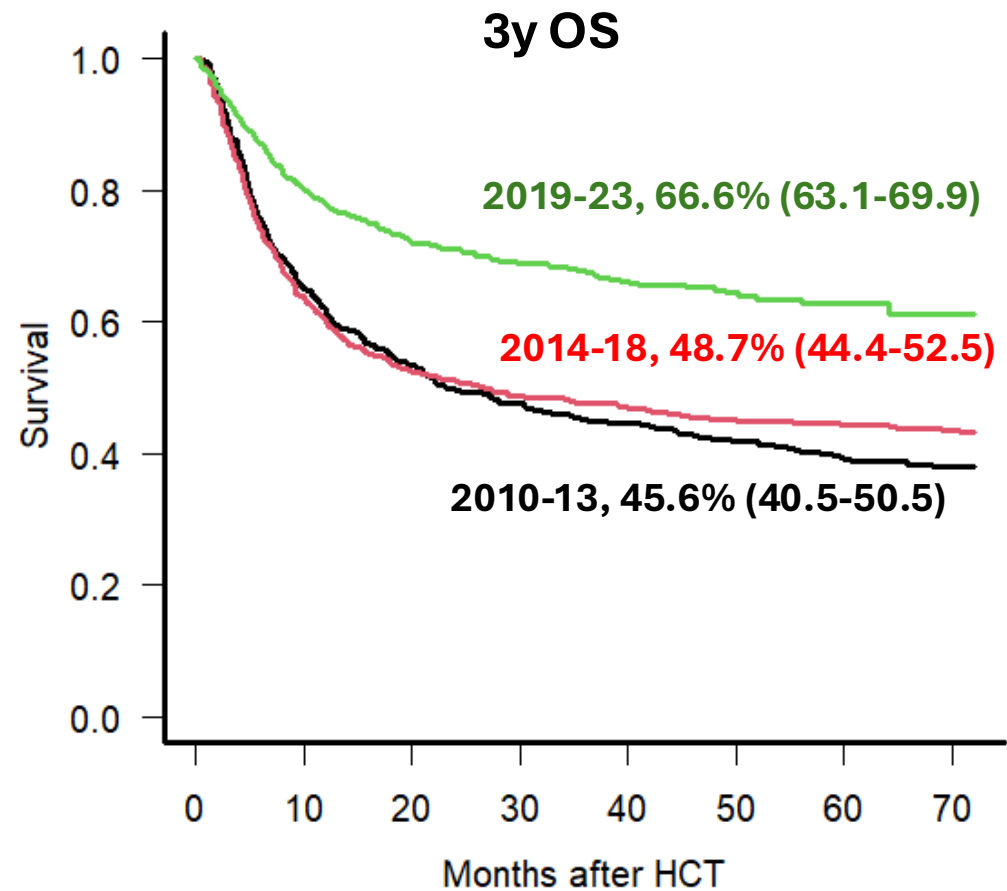
Period III (2019 - 2023)

# Number of patients received transplants



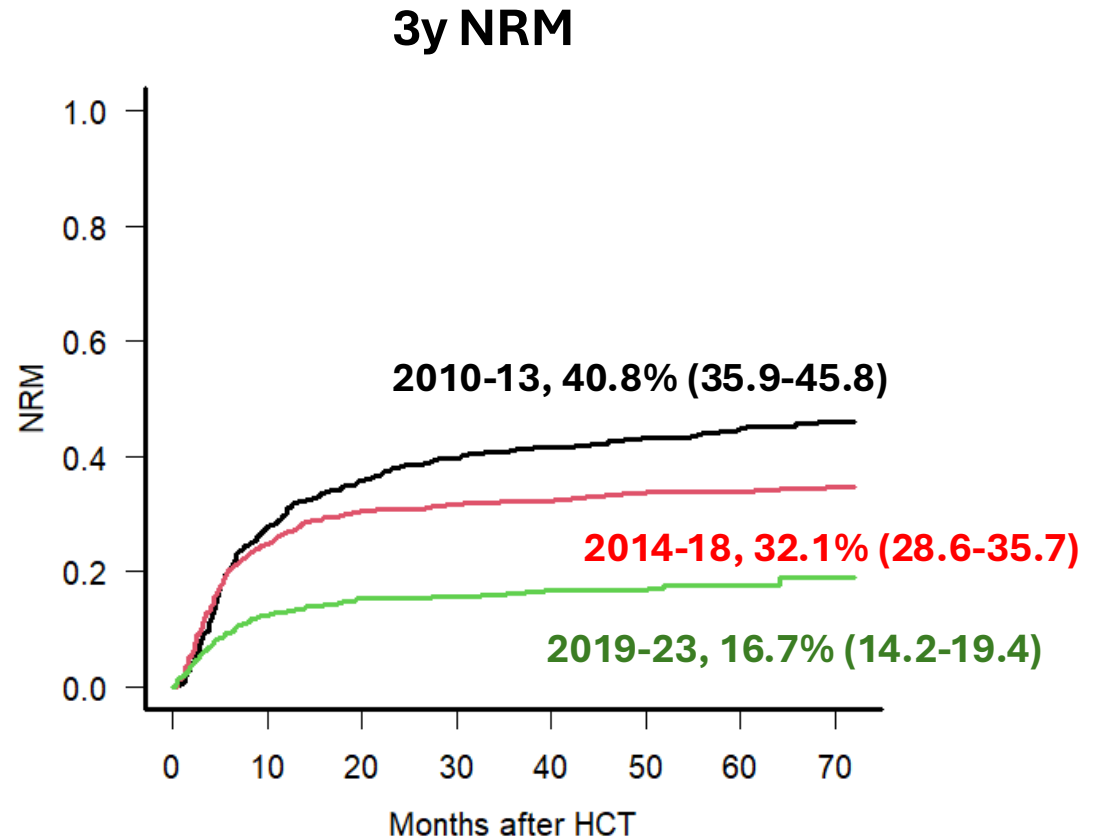
Period	No. of Observations	% Increase from Previous Period
2010 - 2013	377	—
2014 - 2018	661	75.3%
2019 - 2023	843	27.5%

# Overall Survival (OS) - 3-year outcomes



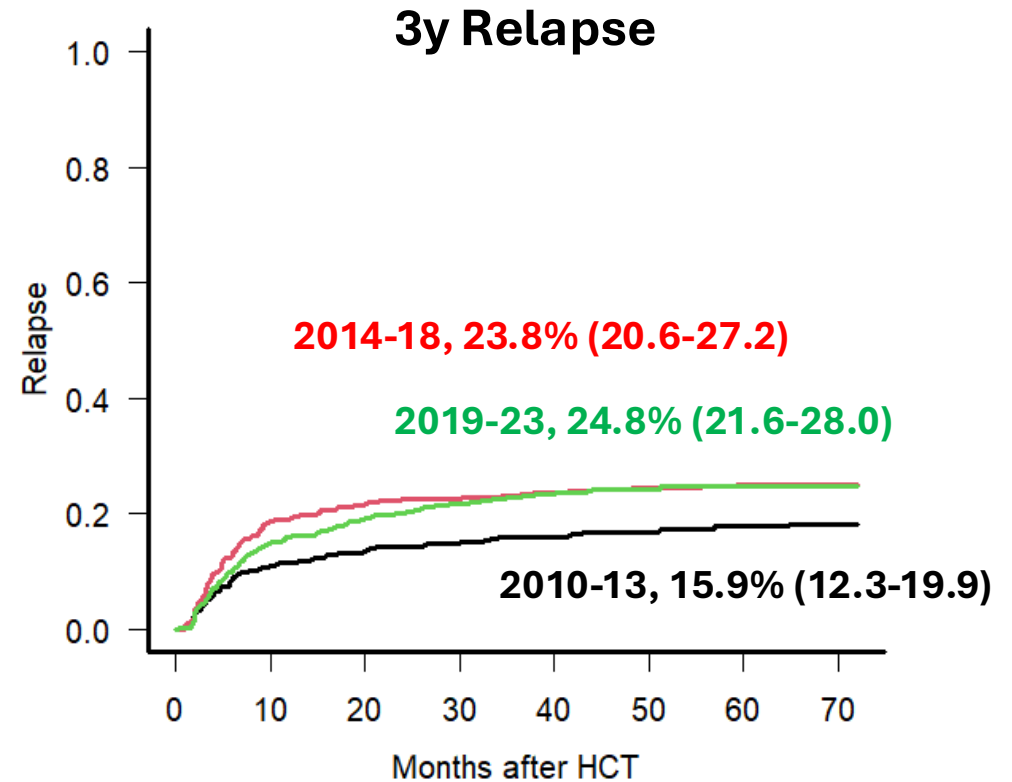
Period	3-Year Overall Survival (OS)
2010 - 2013	45.6%
2014 - 2018	48.7%
2019 - 2023	66.6%

# 3-year Non-Relapse Mortality (NRM)



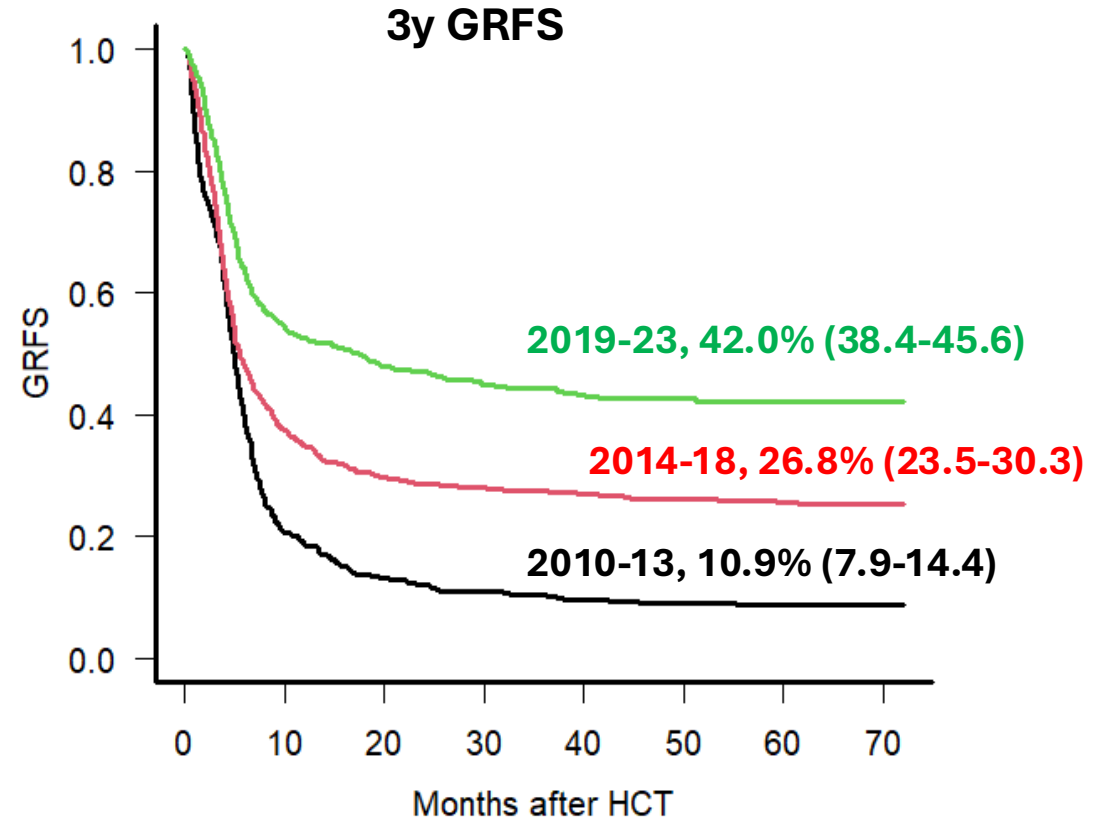
Period	3-Year Non-Relapse Mortality
2010 - 2013	40.8%
2014 - 2018	32.1%
2019 - 2023	16.7%

# 3-year Relapse Rate



Period	3-Year Relapse Rate
2010 - 2013	15.9%
2014 - 2018	23.8%
2019 - 2023	24.8%

# 3-year Graft-versus-host disease-Free, Relapse-Free Survival (GRFS)



Period	3-Year Graft-versus-host disease-Free, Relapse-Free Survival
2010 - 2013	10.9%
2014 - 2018	26.8%
2019 - 2023	43.0%

# Allogeneic Transplant Program Key Personnel

## Medical Director

Jonas Mattsson (Program Director)

## Allo-BMT Staff Physicians

Dennis Kim (Head Malignant Hem)

Tommy Alfaro Moya

Eshrak Al-Shaibani

Rajat Kumar

Arjun Law

Frank Michelis

Igor Novitzky-Basso

Ivan Pasic

Auro Viswabandya

## Support Staff

Swe Mar Linn (Acute Oncology/BMT)

## Nurse Practitioners

Zoe Evans

Shelby Gahagan

Dorothy Law

Kevin Talbott

Tenzin Wangmo

## Physician Assistants

Robert McDougall

Sanjay Singhabahu

Krista Slavinski

## Clinical Fellows

Reem Al-Asbali

Tarfa Ali Alonazi

Murad Almowarey

Nihar Desai

Josephine Lucero

Nisham Narikuth

Noora Obaidallah

Ebba Reda

Sergio Rodriguez Rodriguez

## Medical Admin Assistants

Bibi Ali

Marisona Almazan

Roshanna Bradder

Heather Castaldo

Shannon Jordao

Meghan Rodgers

Enza Scandivano

Lynn Thibaudeau

Niki Tsakonas

## Nurse Managers

Susan Clarke (Pre-AlloBMT & Inpatient)

Vanessa Loiacono (Hematology Clinics)

Schenell Rosario (MHDU)

## Patient Care Coordinator

Leila Shenouda (Hematology Clinics)

## Social Work

Emily Barca

Margo Kennedy

Anna Wallwork

## Clinical Nutrition

Megan Morrison

Candice Nguyen

## Pharmacists

Celina Dara (Clinical Site Leader)

Jerome Flores

Ya Ping Guo

Lina Ho

Henry Pun

Adeline Tian

Christopher Tse

## Clinical Data Coordinators

Roomana Bajwa

Carol Chen

Stephanie Di Maio

Peter Locker

Melissa Long

Jennifer Looyis

Thuvaragah Somaskantha

## BMT Administrative Assistants

Setra Adam

Chloe Dias

Beyonce Forrest

Shivrina Kamtapersaud

Naomi Ogbole

Cayla Zusko-Davidson

## Allo-BMT Coordinators

Sara Barr

Ora Bascom

Michele Heffering

Kim Maki

Leeann Wilson

## Donor Search Coordinators

Alex Kerr

Haley Rutherford

Monika Schmuck

## Allo-BMT Biobank

Andrea Arruda (Co-Director)

Mark Minden (Co-Director)

Ann George

## Research Support

Shiyi Chen (Biostatistician)