



Hematology Oncology Fellowships: A New Frontier for Advanced Practice Providers

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Background

Advanced practice providers (APPs), namely nurse practitioners (NPs) and physician assistants (PAs), play an integral role in the delivery of oncologic services. In recent years, numerous APP fellowships in hematology oncology have emerged across the nation. Our aim was to identify the existing APP fellowship programs in the United States and report on the structure and curriculum of these established programs.

Methods

Google, ANCC, ARC-PA, and Indeed job postings were searched for publicly available information on APP fellowships. An integrative review was conducted for peer-reviewed publications on fellowship education. Emails were sent out to fellowship leadership to fill in missing information regarding program content and initial cohort date.

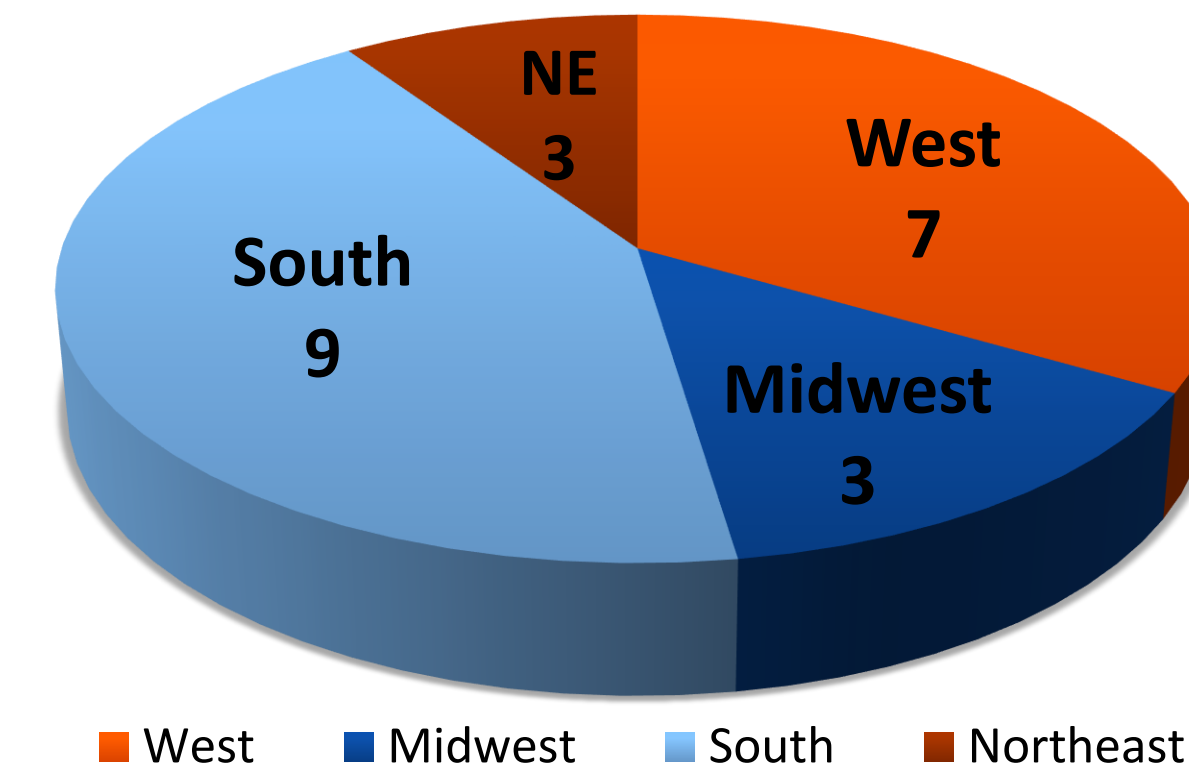
Acknowledgements

Thank you to all fellowship leadership who responded to our inquiries and were willing to share additional information about their programs!

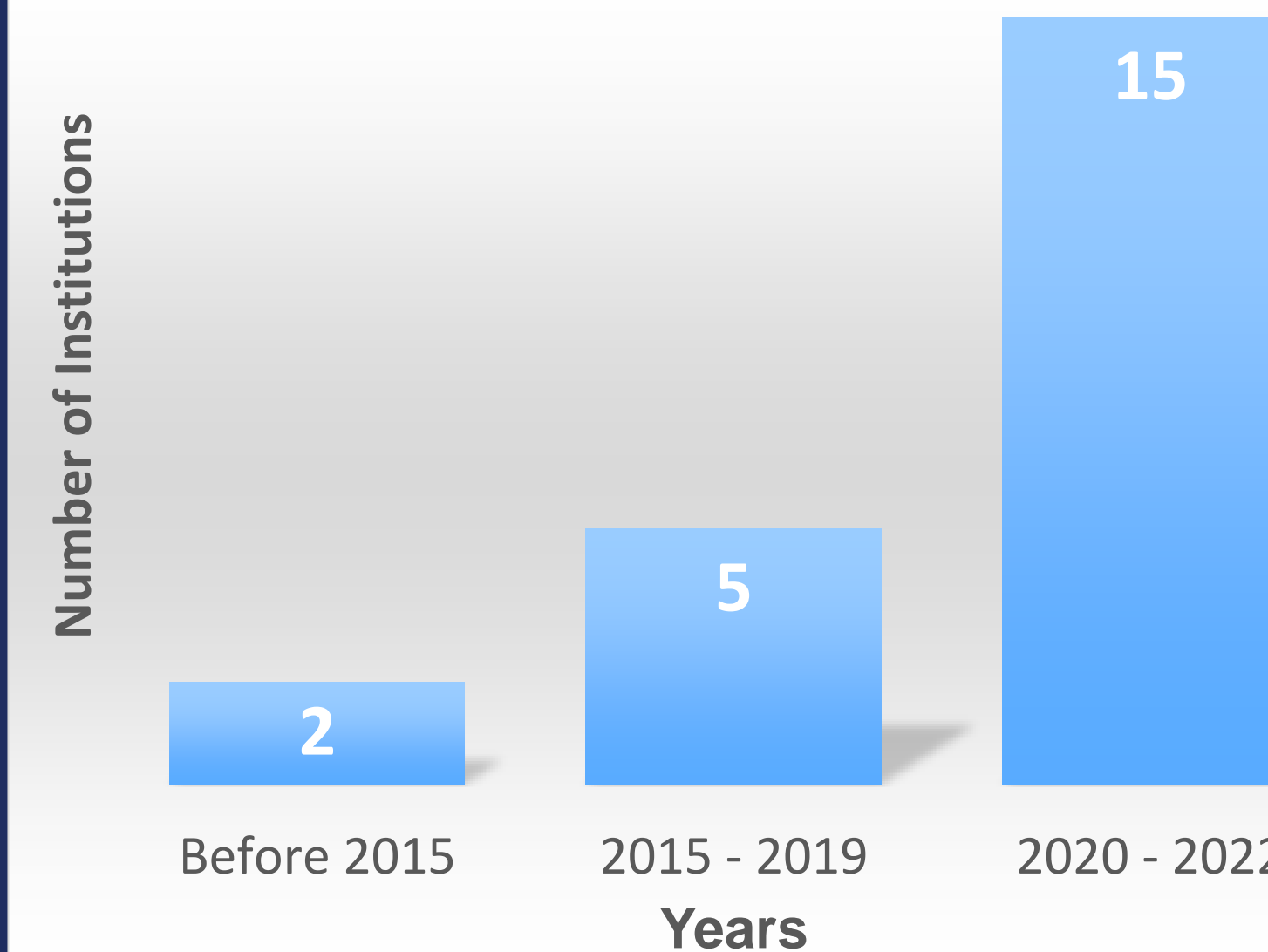
Hematology Oncology APP Fellowship Programs

Institution/ Center	Concentration
Mayo Clinic, Rochester, MN	<ul style="list-style-type: none"> Hematology/BMT Medical Oncology
Mayo Clinic, Jacksonville, FL	<ul style="list-style-type: none"> Combined Hematology/Oncology
Seattle Cancer Alliance, Fred Hutchinson Cancer Center, Seattle, WA	<ul style="list-style-type: none"> Hematology/BMT Combined Hematology/Oncology
Memorial Sloan Kettering Cancer Center, New York, NY	<ul style="list-style-type: none"> Medical Oncology Hematology/BMT Geriatric Oncology Critical Care Oncology Pediatric Hematology/Oncology Neurologic Oncology Perioperative Oncology Psycho-Oncology
H. Lee Moffitt Cancer Center, Tampa, FL	<ul style="list-style-type: none"> Hematology/BMT Breast Surgical Oncology
UC Davis Comprehensive Cancer Center, Sacramento, CA	<ul style="list-style-type: none"> Combined Hematology/Oncology
Emory Winship Cancer Institute, Atlanta, GA	<ul style="list-style-type: none"> Combined Hematology/Oncology
Rochester Wilmot Cancer Center, Rochester, NY	<ul style="list-style-type: none"> Combined Hematology/Oncology
UC San Francisco Helen Diller Cancer Center, San Francisco, CA	<ul style="list-style-type: none"> Combined Hematology/Oncology (NP only)
Stanford Cancer Care, Stanford, CA	<ul style="list-style-type: none"> Combined Hematology/Oncology
Ohio Wexner, The James Cancer Center, Columbus, OH	<ul style="list-style-type: none"> Combined Hematology/Oncology Critical Care Oncology Surgical Oncology
Huntsman Cancer Center, University of Utah, Salt Lake City, UT	<ul style="list-style-type: none"> Combined Hematology/Oncology
Oregon Health and Science University, Portland, OR	<ul style="list-style-type: none"> Combined Hematology/Oncology
University of Miami, Sylvester Comprehensive Cancer Center, Miami, FL	<ul style="list-style-type: none"> Combined Hematology/Oncology (NP only) BMT and Cellular Therapy (NP only) Clinical Research (NP only)
UT MD Anderson Cancer Center, Houston, TX	<ul style="list-style-type: none"> Separate PA and NP cohorts, Combined Hematology/Oncology
Vanderbilt-Ingram Cancer Center, Nashville, TN	<ul style="list-style-type: none"> Combined Hematology/Oncology
Texas Children's Hospital, Houston, TX	<ul style="list-style-type: none"> Pediatric Hematology/Oncology (NP only)
Medical College of Wisconsin, Froedtert Hospital, Milwaukee, WI	<ul style="list-style-type: none"> Combined Hematology/Oncology
Atrium Health, Levine Cancer Institute, Charlotte, NC	<ul style="list-style-type: none"> Combined Hematology/Oncology
Dana-Farber Cancer Institute, Boston, MA	<ul style="list-style-type: none"> Combined Hematology/Oncology (PA only)
Banner MD Anderson Cancer Center, Gilbert, AZ	<ul style="list-style-type: none"> Surgical Oncology
UT Southwestern Simmons Cancer Center, Dallas, TX	<ul style="list-style-type: none"> Combined Hematology/Oncology

Institutions by Region



Timeline of Fellowship Initiation



Results

- There are 22 Institutions offering a total of 37 oncology-related fellowship concentrations
- All fellowships are 12 months in duration except for Banner MD Anderson Surgical Oncology, which is 13 months and Texas Children's Pediatric Oncology, which is 3 months
- Either a stipend or salary is provided by each program
- All programs offer either MD or APP led didactics and diverse clinical rotations
- 5 programs are accredited by ANCC. 1 program is accredited by ARC-PA

Conclusions

Numerous medical centers across the country have launched APP fellowships offering diverse clinical rotations, didactics, and research opportunities. Post-graduate fellowship training has become a promising educational model to fill gaps in subspecialty education and prepare APPs for successful transition to practice. Collaboration among these fellowships in the future may lead to standardization, pan-accreditation, and hematology/oncology board certification for both NPs and PAs.