

2019 #18

May 31, 2019

**INSIDE:**

RECENT REVIEWS .....2  
 GLOBAL NEWS .....3  
 Member Feedback Sought  
 on AABB Proposed 32<sup>nd</sup>  
 Edition of Standards .....4  
 ADRP Announces 2019  
 Award Winners .....4  
 Part II of ABC's Technical  
 and Quality Workshop ..5  
 PEOPLE .....6  
 Upcoming ABC Webinars  
 – Don't Miss Out! .....6  
 STOPLIGHT®: Status of  
 America's Blood  
 Centers' Blood Supply .7  
 REGULATORY NEWS ....7  
 CALENDAR .....7  
 ABC 2019 Meetings &  
 Workshops .....8  
 POSITIONS .....8

**Increased Incidence of Sexually Transmitted Infections Among PrEP Recipients Reported in JAMA**

Concerns about the impact of antiretroviral medications such as pre-exposure prophylaxis (PrEP) on blood donor screening and HIV diagnosis remain relevant to transfusion medicine. Potential implications for the blood community continue to be discussed given evidence that prolonged viral suppression with antiretroviral medications is associated with false negative serological testing; and results from a study earlier this year from the Centers for Disease Control and Prevention's National HIV Behavioral Surveillance project that revealed the presence of antiretroviral medications in the blood of a high percentage of men who sex with other men (MSM) who misreported their HIV-positive status. A recent report published in *JAMA* may add to the existing discussions, with its findings that higher incidence rates of sexually transmitted infections (STIs) was associated with “receipt of PrEP after study enrollment” when “compared with preenrollment” among a population of “mostly” gay and bisexual men in Australia (98.5 percent identified as gay or bisexual males).

The longitudinal study included 2,981 participants, 3 percent (89 individuals) withdrew leaving 2,892 as the total number of enrollees at final follow-up. Participants received daily HIV PrEP, with 29 percent using PrEP before enrolling in the study, with quarterly testing for HIV and STIs as well as clinical monitoring. Investigators reported 2,928 diagnosed STIs in 1,427 participating individuals (48 percent) with 1,424 chlamydia, 1,242 gonorrhea, and 252 syphilis cases. “Incidence of any STI diagnosis during study follow-up was 91.9 per 100 person-years, with incidences of 45.0 per 100 person-years for chlamydia, 39.0 per 100 person-years for gonorrhea, and 8.0 per 100 person-years for syphilis. Rectal infections were most common for both chlamydia and gonorrhea, and the incidence of any STI was greatest among those aged 25 to 34 years.”

Twenty-five percent of participants (736) had multiple infections. These individuals were responsible for 76 percent of the total number of STIs. A complete data set for “all behavioral responses” existed for 69 percent of participants (2,058) and were used for multivariable modeling and analysis, “younger age; diagnosis of rectal gonorrhea, rectal chlamydia or syphilis prior to enrollment; a greater number of anal sex partners; and participation in group sex remained significantly associated with greater STI risk, however inconsistent or no condom use with casual partners was not significantly associated with STI risk.”

The authors did mention multiple limitations of the study including the reliance of

(continued on page 2)

### Increased Incidence of STI among PrEP Recipients (continued from page 1)

participants self-reporting, that “early adopters” of PrEP typically have a high “attendant STI risk” and that enrollees in the study may not be representative of a larger population of individuals that use PrEP. They also stated that selection bias may be present due to “participants included in the before-and-after analysis were those accessing STI screening at ACCESS clinics before enrollment” who were more likely to report relevant behavioral risks such as methamphetamine drug use and multiple instances of condomless sex with partners who were HIV-positive or whose HIV status was unknown. The study concludes that “[a]mong gay and bisexual men using PrEP, sexually transmitted infections were highly concentrated among a subset of study participants, and receipt of PrEP after study enrollment was associated with an increased incidence of STIs compared with preenrollment. These findings highlight the importance of frequent STI testing among gay and bisexual men using PrEP.”

**Citation:** Traeger, M.W., Cornelisse, V.J., Asselin, J., *et al.* Association of HIV preexposure prophylaxis with incidence of sexually transmitted infections among individuals at high risk of HIV infection. *JAMA*. 2019. Doi:[10.1001/jama.2019.2947](https://doi.org/10.1001/jama.2019.2947). ♦

## RECENT REVIEWS

**Preventing sexually transmitted infections (STIs) in men who have sex with other men (MSM).** A review published in *Lancet HIV* examines the epidemiology of STIs among MSM and methodologies for preventing the spread of these infections. The authors acknowledge the effectiveness of interventions in the form of treatment as prevention (TasP) and antiretroviral medication such as preexposure prophylaxis (PrEP) to prevent HIV. “To our knowledge, no cases have been reported of HIV transmission from an individual on HIV treatment with an undetectable viral load, and HIV-uninfected homosexual and bisexual men who have sex with men (MSM) who are adherent to PrEP are nearly 100 percent protected from acquiring HIV.” However, they note the increase in frequency of STIs and provide both factors that have contributed to the rise in STIs and steps to mitigate the risk of STIs. Potential contributing factors in their view could include more effective HIV treatments and preventions (e.g. PrEP), the rising popularity of mobile dating applications that are potentially making finding casual partners easier for individuals, and serosorting the “practice in which MSM seek out men of the same HIV serostatus for condomless sex, with the intention of reducing HIV transmission risk,” which has been “associated with an increased risk of bacterial STI transmission and acquisition.” The review lists interventions to limit the spread of STIs in the form of:

- behavioral (e.g. increased condom use and reduced risky sexual practices);
- Doxycycline prophylaxis;
- Accessible healthcare;
- Partner notification;

(continued on page 3)

The *ABC Newsletter* (ISSN #1092-0412) is published by America’s Blood Centers® and distributed by e-mail. Contents and views expressed are not official statements of ABC or its Board of Directors. Copyright 2019 by America’s Blood Centers. Reproduction of the *ABC Newsletter* is forbidden unless permission is granted by the publisher. (ABC members need not obtain prior permission if proper credit is given.)

ABC advocates for and advances policies that promote the role of independent blood centers in providing life-saving blood products and recognize the continuous need for a safe and robust blood supply. ABC exists to advocate for laws and regulations recognizing the essential role that independent blood centers play in the healthcare system; promote partnerships, policies and programs that increase awareness about the need for blood donation; and serve as a thought-leader in the advancement of evidence-based medical and scientific solutions related to health and safety.

### America’s Blood Centers

Chief Executive Officer: Kate Fry

Chief Medical Officer: Rita Reik

Editor: Mack Benton

Subscriptions Manager: Leslie Maundy

**Annual Subscription Rate: \$390**

Send subscription queries to

[lmaundy@americasblood.org](mailto:lmaundy@americasblood.org)

America’s Blood Centers

1717 K St. NW, Suite 900, Washington, DC 20006

Phone: (202) 393-5725

Send news tips to [newsletter@americasblood.org](mailto:newsletter@americasblood.org).



## RECENT REVIEWS (continued from page 2)

- Screening for STIs; and
- Health literacy campaigns targeting STIs.

The authors highlight the success of prior “multicomponent interventions” that were a mix of “behavioral and biomedical interventions” that decreased STI prevalence in certain risk groups. They conclude, “[c]ommunity [mobilization] is also required to strengthen health literacy. Furthermore, internet-based STI and HIV prevention interventions might be cost-effective in providing opportunities to enhance STI control. If these STI control strategies are not comprehensively addressed now, further rises and the spread of STIs beyond the current risk groups to the broader community are likely to occur with great economic and personal costs.”

**Citation:** Chow, E., Grulich, A., and Fairley, C. [Epidemiology and prevention of sexually transmitted infections in men who have sex with men at risk of HIV](#). *Lancet HIV*. 2019. ♦

## GLOBAL NEWS

**The High Court of Ireland has [received](#) a challenge from 27-year old Tomas Heneghan against the Irish Blood Transfusion Service and the Minister of Health regarding the 12-month deferral of men who have sex with other men (MSM).** Mr. Heneghan views the MSM deferral as discriminatory and seeks to have the policy end. Previously, he sought to overturn the lifetime deferral of MSM with the Irish High court, but withdrew the challenge in 2016 after Ireland revised the then lifetime deferral following a report from the Irish Blood Transfusion Service. The court is scheduled to hear the case in July.

(Source: *The Irish Times*, [Policy on gay men donating blood challenged in High Court](#), 5/20/19)

**Hospitals in Canada received a warning from Canadian Blood Services of the potential for an “imminent shortage of the take-home version” of immune globulin according to a [report](#) in *The Globe and Mail*.** Concerns of a shortage lead to a stakeholder working group that includes immunologists, neurologists, and patient advocates issuing a recommendation that would prevent new patients from beginning treatment with the self-administered versions of immune globulin therapies, which are used to treat immune deficient patients. Proponents of remunerated or paid donations from donors have suggested that such practices could alleviate the potential for shortages of immune globulin in Canada, while last year, Canadian Sen. Pamela Wallin (I-Saskatchewan) introduced legislation known as the Voluntary Blood Donations Act, that would prohibit the collection of plasma from remunerated donors in Canada. “Concerns about the global supply of [immune globulin] have [fueled] a national debate about the appropriateness of paying donors for their plasma,” reported *The Globe and Mail*. “Four provinces have banned the practice, while two – New Brunswick and Saskatchewan – have in the last few years welcomed private clinics that compensate donors...Canadian Blood Services (CBS), which opposes compensating Canadian donors, is looking at collecting more plasma from unpaid volunteers in hopes of reducing the country’s reliance on [plasma from] paid [donors in the U.S.] to meet its demand for [immune globulin]. A federal expert panel last year concluded that there was ‘no crisis’ related to [immune globulin] supply, but that Canada could do more to reduce the use of the drug and to collect more plasma.”

(Source: *The Globe and Mail*, [Canadian Blood Services warns of imminent shortage of take-home immune globulin drug](#), 5/17/19) ♦



**America's Blood Centers®**  
It's About *Life.*

## INSIDE ABC

*The programs and services described in the Inside ABC section are available to ABC member blood centers and their staff only, unless otherwise specified.*

### **Member Feedback Sought on AABB Proposed 32<sup>nd</sup> Edition of Standards**

ABC is seeking the input of its member blood centers regarding feedback on AABB's proposed [32<sup>nd</sup> edition of Standards](#) for Blood Banks and Transfusion Services. Blood centers are encouraged to also submit independently to [AABB](#). The comment period is open until July 9, 2019.

(Source: MCN [19-039](#))

### **ADRP Announces 2019 Award Winners**

ADRP recognized the recipients of their 2019 Awards recently a ceremony in Indianapolis, Ind. the 2019 ADRP Conference. Winners included:

- Donor Recruiter of the Year - Michele McCaffrey, New York Blood Center
- Donor Collections Team Member of the Year - Joan Schumacher, Hoxworth Blood Center
- Rolf Kovenetsky Leader of the Year (Recruitment) - Kevin Shipley, Gulf Coast Regional Blood Center and Nicole Pineault, New York Blood Center
- Rolf Kovenetsky Leader of the Year (Collections) - Elena Vasile, Vitalant
- Ron Franzmeier Lifetime Achievement Award - Darrin Greenlee, American Red Cross
- Ronald O. Gilcher MD/CEO Award - Martin Grable, OneBlood
- Media Partner Award - Fox 46, OneBlood
- Most Creative Blood Drive Award - Benjamin Boudreaux, MD, North Shore Plastic Surgery, nominated by The Blood Center
- Most Productive Blood Drive Award - Chris Vettelson, Digi-Key Electronics, nominated by Vitalant
- School Blood Drive Award - Eric Phillips, University of Illinois at Chicago, nominated by Vitalant
- Humanitarian Service Award - Tim Sashko, Everyday Heroes Program, nominated by Vitalant



(continued on page 5)



INSIDE ABC (continued from page 4)

## Part II of ABC's Technical and Quality Workshop

The workshop's final day began with Houchin CEO Galen Kline's presentation entitled "Redefining Quality's Role in the Blood Center." Mr. Kline identified potential ways that quality departments within blood centers will be able to adapt to changes in the future by assuming new roles. He was followed by Vitalant's Gwen Jones presenting remotely on the approach and value of using "Quality at the Source" for designing or redesigning processes in the blood center.

Five speakers from ABC member blood centers then demonstrated their efforts in process redesign to reduce error and waste in their blood center by sharing case studies. James Valentine, manager of Regulatory at Vitalant opened the session with a discussion of malaria deferral error reductions; Alexandria Woods, assistant manager of Inventory Management and Distribution at Mississippi Valley Regional Blood Center (MVRBC) then explained her efforts to reduce errors by reducing steps to well-established processes. Floyd Wilson, senior director of Distribution and Logistics at OneBlood followed with a description of the process of "designer platelet shipments"—the project resulted in decreasing expired discards as well as the avoidance of unnecessary returns. The next case study, "Utilizing Project Portfolio Management (PPM) to Achieve Strategic Realization and Manage Volatile Industry Demands" was delivered by Topaz Montague, director of Project Management and Continuous Improvement at Gulf Coast Regional Blood Center. During her talk, Ms. Montague explained the culture, resources, and tools required to successfully implement PPM and its great benefits in a changing industry. Ryan Edwards, quality assurance principal at Versiti Blood Center Indiana, offered the final case study describing a project focused on organizing testing consumables with the addition of visual aids at the refrigerator and testing benches to reduce the risk of invalid testing results.



*Alli Woods of MVRBC*

Next, the workshop featured three presentations outlining ways to maintain quality in an unpredictable environment. Each speaker gave an introductory talk on their subject with attendees then partaking in roundtable discussions, sharing their experiences and brainstorming ideas. As Regulatory Manager at Vitalant, James Valentine discussed the challenges of "Implementing FDA/AABB Guidelines on a Tight Timeline." Angelica Lynn, manager of Quality Assurance and Regulatory Affairs at OneBlood talked about the impact of mergers and realignments on the employee experience. Heidi Schroeder, quality and regulatory affairs specialist at Innovative Blood Resources concluded the session by focusing on the importance of change management when addressing and implementing new products and processes in collections and manufacturing.

The following session, "Beyond Document Control-101 Ways to Use an eQMS" focused on several blood centers strategies for expanding the use of their eQMS to other functions besides document control and training. Tina Chanez, vice president of Quality Support Services at MVRBC, opened the session by exploring opportunities and successes of using an eQMS for change control in a blood center. The benefits of using the eQMS as a tool for Occurrence Management were presented by Denise Calloway, vice president of Quality Systems at The Blood Connection. Tracy Crank, manager of Donor Services, Quality Improvement and Training at Hoxworth Blood Center then highlighted the advantages of using an eQMS for managing adverse events.

(continued on page 6)



## INSIDE ABC (continued from page 5)

The Quality Workshop concluded with two presentations on fresh approaches to auditing. Olga Lee-Kong, quality auditor at New York Blood Center, discussed the various methods she is using to audit her organization including the quality department. Jane Miller, director of Quality Assurance at Sheppard Community Blood Center, ended the workshop by sharing the innovative ways she has approached auditing at the blood center by emphasizing the importance of not being afraid to try something different and making use of all available resources.

ABC would like to thank all of the speakers, attendees, planning committee members, and our sponsors, Innovative Blood Resources, MAK-SYSTEM, and WellSky for making this workshop a great success. 💧

## PEOPLE

**Curt Bailey, MBA** has been named President and CEO of Bloodworks Northwest. Mr. Bailey has 20 years of consulting management experience with expertise in strategy, operational improvement, and organizational health. He was previously a partner at McKinsey & Company where he worked with a variety of healthcare organizations including an emphasis on serving non-profit, community-based, and academic healthcare institutions. Prior to joining McKinsey & Company, Mr. Bailey served as a Captain and helicopter pilot in the U.S. Marine Corps. He holds an MBA from Yale and BA from Tufts University. His new role at Bloodworks Northwest begins on June 3<sup>rd</sup>.



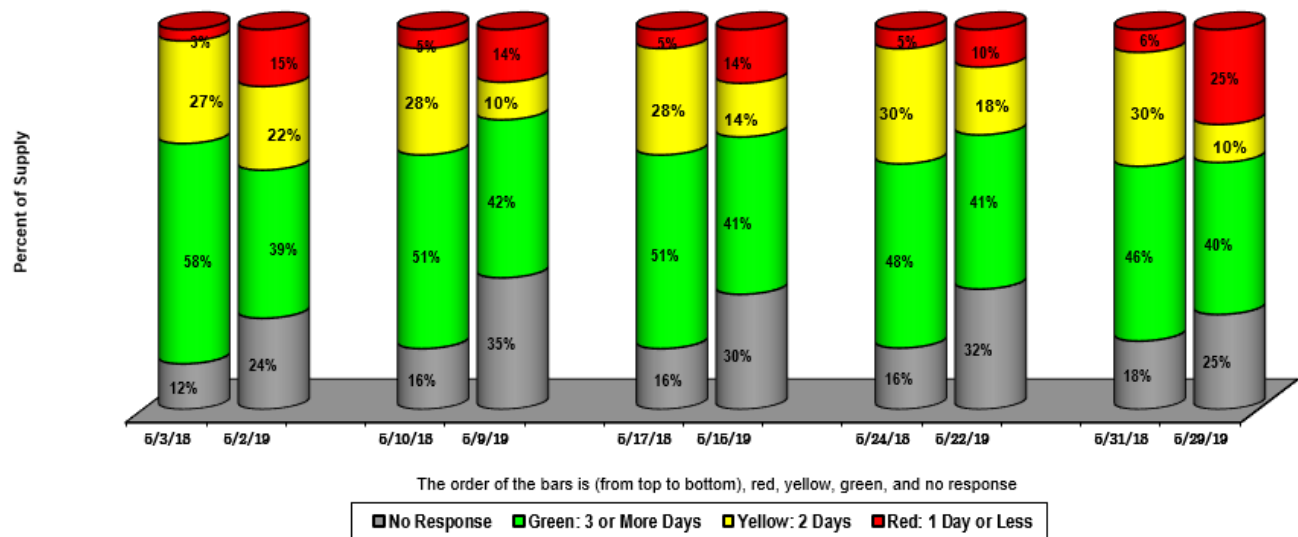
(Source: Puget Sound Business Journal, [Need to know: Executive Movers](#), 5/26/19) 💧

### Upcoming ABC Webinars – Don't Miss Out!

- **Update on Biological Product Deviation Reports Webinar** – June 18<sup>th</sup>. Additional details forthcoming!
- **QA Education Webinar – Change Management** – July 16<sup>th</sup>. Additional details forthcoming!
- **SMT Journal Club Webinar** – August 19. Additional details forthcoming!



## STOPLIGHT®: Status of America’s Blood Centers’ Blood Supply



## REGULATORY NEWS

The U.S. Food and Drug Administration has approved the supplemental New Drug Application (sNDA) for Fresenius Kabi’s InterSol Platelet Additive Solution 3. The Prior Approval sNDA applies to the use of InterSol as an additive solution for platelets collected on Terumo’s Trima Accel system. The sNDA [letter](#) and additional resources are available on the FDA’s [website](#).

(Source: FDA Approval [Letter](#), 5/22/19) 💧

## CALENDAR

*Note to subscribers: Submissions for a free listing in this calendar are welcome. Send information to Leslie Maundy by e-mail ([lmaundy@americasblood.org](mailto:lmaundy@americasblood.org)) or by fax to (202) 899-2621. (For a more detailed announcement in the weekly “Meetings” section of the newsletter, please include program information.)*

### 2019

July 30-Aug. 1. **2019 ABC Medical Directors Workshop & Summer Summit, Denver, Colo.** More details coming soon.

May 19-21. **2020 ADRP Conference, Phoenix, Ariz.** More details coming soon. 💧

### ABC Calendar of Events

ABC offers a variety of meetings, workshops and virtual opportunities for education and networking as well as participation in ABC business. The [calendar of events](#) includes annual and summer meetings, board meetings, workshops, and webinars, and details will be updated as confirmed. We look forward to your support and participation!



ABC 2019 Meetings & Workshops

Table with 5 columns: Meeting/Workshop, Dates, Location, Hotel/Hotel Rate, Registration Dates & Fees. Rows include Medical Directors Workshop and Summer Summit.

Notes:

For the most up-to-date information on all events, members of ABC may check the calendar on ABC's Member Site. Non-members may attend all events; information will be updated on ABC's Public Site.

We Welcome Your Letters

The ABC Newsletter welcomes letters from its readers on any blood-related topic that might be of interest to ABC members. Letters should be kept relatively short and to the point, preferably about a topic that has recently been covered in the ABC Newsletter.

CLASSIFIED ADVERTISING

Classified advertisements, including notices of positions available and wanted, are published free of charge for a maximum of three weeks per position per calendar year for ABC institutional members.

POSITIONS

Operations Manager. Blood Assurance is seeking an Operations Manager to manage our collection efforts in greater Chattanooga, TN and surrounding areas.

Director of Technical Services. Manages laboratory employees in testing and preparation of blood products and manages Hospital Services' employees for distribution of products.

(continued on page 9)



## POSITIONS (continued from page 8)

Laboratory Science certification awarded by the American Society of Clinical Pathology or equivalent. At least five (5) years progressive experience in management, SOP writing and FDA compliance. Experience in hospital transfusion medicine/blood bank. Please upload a cover letter, resume, relevant documentation and complete an application on our website, [www.shepeardblood.org](http://www.shepeardblood.org). Contact Dahmer Clegg, HR Coordinator, at [dclegg@shepeardblood.org](mailto:dclegg@shepeardblood.org), if you have any questions. Shepard is an EEO for individuals with Disabilities & Protected Veterans.

**Medical Director.** If you have a passion to join a team that is providing cutting-edge medical expertise in the areas of blood banking, transfusion medicine, immunohematology reference laboratories, therapeutic apheresis, cellular therapy and research, consider joining OneBlood as a **Medical Director**. Qualified candidates should possess a minimum of three years' experience and a M.D. or D.O. degree with board certification in Clinical Pathology, Internal Medicine or Hematology and subspecialty board certified in Blood Banking/Transfusion Medicine by a Board Registry recognized by the American Board of Medical Specialties. Appropriate state licenses will be required as needed. Must meet the eligibility requirements to obtain appointments at hospitals served by OneBlood. This position includes the option of free medical coverage with a competitive benefit package, 403(b) retirement plan with company contribution PLUS a company match, company vehicle lease/allowance, paid holidays, and much more. This position will be based out of the Jacksonville, Florida area, with some of the most gorgeous beaches in the nation! If you want to join our life saving mission and team of dedicated employees, visit our *Careers* page at [www.oneblood.org](http://www.oneblood.org) to learn more. OneBlood, Inc., a proven leader in blood banking, is an Equal Opportunity Employer/Vet/Disability.

**Laboratory Services Manager.** LifeSouth Community Blood Centers is currently seeking a skilled individual for a Laboratory Services Manager position in our Immunohematology Reference Laboratory in **Gainesville, FL**. This position is responsible for overseeing all laboratory testing activities performed in the LifeSouth facility. This includes meeting the needs of customers for accurate, timely and high-quality immunohematology reference laboratory testing and services. This position is also responsible for compliance with established laboratory policy and with applicable governmental regulatory requirements from CLIA, FDA, AABB, HIPAA and state licensing regulations. Bachelor's degree in clinical laboratory, chemical or biological science required. SBB Certification required. Five years of clinical laboratory experience at a licensed, certified or accredited facility required. Previous management experience required.

Master's degree may compensate for less experience. Relocation expenses negotiable. Background check and drug test required. Equal Opportunity/Affirmative Action Employer/DFWP/Tobacco Free. VEVRAA Federal Contractor. Follow this link to apply: <https://lifesouth.careerplug.com/jobs/901033/apps/new>.

**Clinical Lab Supervisor (San Francisco, CA).** Since 1941, Vitalant has proudly served as a leader in the blood banking industry. We are a globally-recognized leader in blood transfusion medicine. Requirements: Bachelor's degree. Must satisfy CLIA requirements for High Complexity Testing. Certification as a Medical Technologist or Specialist in Blood Banking (SBB) by a recognized certifying organization. Seven years clinical laboratory testing experience. Two years supervisor experience required. Two years IRL experience preferred. Apply [here](#). EOE

**Senior Clinical Lab Specialist (San Francisco, CA; Req: 190688).** Vitalant exists to help people realize their life-transforming potential by offering convenient blood donation opportunities and sharing our expertise in transfusion medicine. Under minimal supervision, this position is responsible for performing routine testing of biological specimens and reviewing test results and quality assessment data and responsible for providing skilled technical support in the laboratory. Requirements: Bachelor's degree required. Must satisfy CLIA requirements for High Complexity Testing required. Certification as a CA Medical Technologist required. Specialist in Blood Banking (SBB) by a recognized certifying agency preferred. Five years clinical laboratory testing experience required. One-year IRL experience preferred. For more information or to apply, please visit [here](#). EOE

**Executive Director.** ADRP, an International Division of America's Blood Centers (ABC), is seeking a part-time Executive Director. The position is a senior management role and will provide oversight and leadership to all aspects of ADRP, including membership, communications and marketing, events, and education. The position will report directly to the ABC Chief Executive Officer, providing strategic guidance on emerging trends in the blood banking industry to help shape strategies that promote growth and drive value. Primary Responsibilities: Provide organizational oversight, including support for the ADRP Advisory Board and ADRP committees, management of ADRP in accordance with an annual budget, and alignment of ADRP with other ABC programs and services. Promote ADRP through a variety of communication platforms, including a monthly Newsletter, various email communications, and the ADRP website. Educational Requirements: Bachelor's required. Experience, Knowledge, Skills and Abilities: Five plus years of related experience in program development and management, event planning, communications and/or

(continued on page 10)

POSITIONS (continued from page 9)

marketing. Experience in the blood banking industry preferred, but not required. Strong written and oral communication and interpersonal skills. Strong planning and organizational skills, detailed oriented. This is a remote position. Click [here](#) to view the full job description. Interested applicants should send a cover letter and resume to [careers@americasblood.org](mailto:careers@americasblood.org).

**Medical Director.** Provide transfusion medicine (TM) clinical care at Heartland Blood Center (HBC) and its associated hospitals in the scope noted below, as well as effort in leadership of the Immunohematology Reference Laboratory (IRL) as Medical Director at HBC/Versiti. Key components of this position would comprise TM consultation and oversight of blood management at HBC and Versiti partner hospitals, as well as participation in educational initiatives and clinical/applied research within both Versiti blood centers and their affiliated health systems. Primary Responsibilities: Oversees blood donor center collections in the Chicagoland and various areas of Indiana. Provides medical direction, including compliance with local, state, and federal regulations and accreditation agencies, for blood center and transfusion services at Versiti affiliated hospitals in Illinois and Indiana. IRL Medical Director for HBC, providing oversight of IRL laboratory staff technical duties and working with Versiti and HBC laboratory management to provide education and skill advancement. Education and Licenses: M.D. or D.O. Degree. Board certified in pathology (AP/CP or CP only), internal medicine, or pediatrics (with subspecialty boards in hematology). Board certified/board eligible in Blood Banking/Transfusion Medicine (American Board of Pathology—ABP). Current or eligible for medical licenses in Illinois, Wisconsin, Indiana, Michigan and Ohio. Experience/Certifications: Demonstrated experience in both 1) pathology/laboratory medicine or hematology and 2) transfusion medicine. Ability to write lectures and articles using original or innovative techniques or styles; excellent presentation skills with capacity to present to varied audiences. Click [here](#) to view the full job description and to apply. ♦