

Sridhar Basavaraju, MD, FACEP
Commander
U.S. Public Health Service

CURRENT POSITION

Director- Office of Blood, Organ, and Other Tissue Safety
 Division of Healthcare Quality Promotion
 National Center for Emerging and Zoonotic Infectious Diseases
 Centers for Disease Control and Prevention (CDC)
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 Atlanta, GA 30329
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EDUCATION

8/98-5/03 MD George Washington University, School of Medicine, Washington, DC
 8/94-12/97 BS/BA George Washington University, Washington, DC

POSTGRADUATE TRAINING

7/07-6/09 Epidemic Intelligence Service, CDC, Atlanta, GA
 7/04-6/07 Residency, Department of Emergency Medicine, Mount Sinai School of Medicine, New York, NY
 7/03-6/04 Internship, Department of Internal Medicine, Tufts-New England Medical Center, Boston, MA

U.S. Public Health Service (PHS) PROFESSIONAL EXPERIENCE

11/12-present Medical Officer/Director

Office of Blood, Organ, and Other Tissue Safety (BOOTS)
 Division of Healthcare Quality Promotion
 National Center for Emerging and Zoonotic Infectious Diseases, CDC, Atlanta, GA

- Director, Office of Blood, Organ, and Other Tissue Safety (05/2017-present)
- Deputy Director, Office of Blood, Organ, and Other Tissue Safety (10/14-05/2017)
- Medical Officer and Acting Director, Office of Blood, Organ, and Other Tissue Safety (11/13-10/14)
 - Outbreak investigations and donor-derived disease transmission investigations
 - Surveillance for acute transfusion reactions reported to the National Healthcare Safety Network Hemovigilance Module
 - Core activities include: analysis to describe the rates and prevalence of acute transfusion reactions reported to NHSN; describe incidents resulting in adverse reactions reported to the NHSN Hemovigilance Module.
 - Conducting a national survey to estimate blood collection and utilization in the United States
 - Disseminated to all blood collection centers in the US and statistical sample of hospitals performing >100 surgical procedures in the US.
 - Intended to provide a statistically reliable estimate of total blood collections and blood usage in the US.
 - Mathematical modeling and other data analysis to describe the risk of transfusion and/or transplant transmitted infections
 - Participate in activities to enhance blood product and transfusion safety which includes serving as the CDC representative to several HHS and PHS national advisory groups

12/10-11/12 Medical Officer, Epidemiologist

Biomedical Prevention Team (Medical transmission)
 HIV Prevention Branch
 Division of Global HIV/AIDS
 Center for Global Health, CDC, Atlanta, GA

- Principal investigator for a protocol entitled, “Validation of HIV incidence assays to determine HIV incidence rates among blood donors in Namibia and the use of these incidence assays to estimate residual risk of transfusion-transmitted HIV infection.”
- Principal investigator for a protocol estimating the proportion of total blood collections by the Tanzania National Blood Transfusion Service discarded due to false-positive hepatitis B and/or C screening
- Principal investigator for a study evaluating the national acute transfusion reaction reporting system in Namibia using CDC guidelines for public health surveillance system evaluation
- Co-investigator for a study to evaluate barriers to reporting bloodborne pathogen exposure and seeking HIV and hepatitis B post-exposure prophylaxis (PEP) among healthcare workers in three countries in sub-Saharan Africa (Botswana, Tanzania and Zambia) and design and evaluate an intervention to improve reporting and receiving PEP.
- Co-investigator for a study comparing the HIV-1 RNA detection thresholds with plasma and dried blood spots using the Roche COBAS Ampliscreen test.
- CDC DGHA blood transfusion safety technical assistance, data analysis, monitoring and evaluation activities
 - Provide technical assistance to U.S. President’s Emergency Plan for AIDS Relief (PEPFAR) partner countries to strengthen national blood transfusion services, improve transfusion safety, and prevent transfusion-transmitted infection.
 - Serve as the lead for analysis, monitoring and evaluation of blood transfusion safety data reported by PEPFAR partner countries to CDC.
 - Serving as the primary supervisor for a CDC Guest Researcher (2012)

7/09-12/10 Medical Officer, Epidemiologist

Research Team
 Division of Injury Response (DIR)
 National Center for Injury Prevention and Control (NCIPC), CDC, Atlanta, GA

- Injury lead of NCIPC/DIR portion of CDC response to Haiti earthquake (January, 2010 - present)
 - Assisted in developing CDC response and provided advice to the Director regarding injury projections, clinical management, and public health response to complex injuries resulting from the earthquake.
 - Lead the NCIPC/DIR project to characterize injuries resulting from the 2010 Haiti earthquake

7/07-6/09 Epidemic Intelligence Service Officer

Global AIDS Program (GAP)
 Medical Transmission Team
 HIV Prevention Branch
 National Center for HIV/AIDS, viral Hepatitis, STD and TB Prevention, CDC,
 Atlanta, GA

- Primary investigator on a project describing the national blood transfusion reaction reporting surveillance system in Kenya

- Conducted a national assessment of transfusion practices with specific emphasis on recognition and reporting of blood transfusion reactions
- Evaluated the feasibility of implementing transfusion committees on a hospital level and a hemovigilance network nationally
- Primary investigator for a CDC/NBTS multi-center, prospective, cross-sectional national study titled, "Quality assurance evaluation of fourth generation testing of donor blood by Kenya NBTS and analysis of residual risk of window period transmission of HIV infection"
 - Designed, implemented and analyzed data from this study which quantified:
- Co-investigator for a CDC GAP blood safety project collecting data related to the 14 PEPFAR focus countries
 - Participated in design and testing of the PEPFAR blood safety database which contained over 80 variables
 - Aggregated and analyzed blood transfusion safety data reported to CDC GAP by the 14 focus countries
- Lead investigator for EPI-AID investigation
 - Identified the causes and quantified the extent of a shortage of blood supplied by the Guyana NBTS to the Georgetown Public Hospital Corporation (GPHC) in Georgetown, Guyana
 - Developed specific recommendations to minimize future blood shortages between NBTS and GPHC
- Analyze and prepare scientific data for publication
 - Participated in data analysis from a national HIV prevalence survey in Kenya (Kenya AIDS Indicator Survey – conducted August-December, 2007)
 - Focused on the quantification of media exposure among Kenyan blood donors in order to devise targeted radio, television and print media campaigns to encourage the retention of voluntary, non-remunerated blood donors
- CDC PEPFAR blood safety program management technical reviews and future planning
 - Participated in and prepared technical reviews of the annual PEPFAR country grantee Country Operational Plans
 - Prepared technical reviews of the annual cooperative agreement between CDC and PEPFAR country blood transfusion program grantees and technical assistance partners
 - Co-wrote the PEPFAR Blood Safety State of the Program Area review outlining the vision for the next five years of the PEPFAR blood safety program

LICENSES AND CERTIFICATIONS

12/08-present	Board certified: American Board of Emergency Medicine
11/07-present	Drug Enforcement Agency License FB0574120
10/07-present	Georgia State Medical License MD#060041
9/07-present	NPI National Provider ID Number 09302007832177

PROFESSIONAL ASSOCIATIONS

Atlanta Commissioned Officers Association (ACOA) member (8/09-present)
 Commissioned Officers Association member (8/09-present)
 American College of Emergency Physicians (ACEP) member (7/07-present)

Committees/Panels

- HHS Blood, Organ, and Tissue Senior Advisory Council Work Group on Blood Sustainability – CDC Representative (February 2017-present)

- HHS Advisory Committee on Blood and Tissue Safety and Availability – CDC Representative (December 2013, November 2014, November 2016-present)
- Public Health Service Blood, Organ, and Tissue Safety, Emerging Infectious Diseases subcommittee co-chair (December 2013-present)
- HHS/Public Health Service Blood, Organ, and Tissue Safety work group – CDC representative (October 2013-present).
- HHS/Public Health Service MSM blood donor deferral policy work group – CDC Representative (October 2013-present)
- FDA Blood Products Advisory Committee - CDC Representative (June 2013- present)
- Co-lead – Site visit review of research-regulator scientists in Laboratory of Emerging Pathogens, FDA (December 2016).
- HHS Advisory Committee on Organ Transplantation – CDC representative (January 2015)
- CDC Global AIDS Program representative on the WHO Expert’s Consultation on Estimation of Blood Requirements. Geneva, Switzerland. 2/03/10-2/05/10.
- NCIPC DIR representative on the H1N1 Plans and Decisions Unit Workgroup tasked to provide recommendations on whether CDC should endorse a triage screening tool for H1N1 and emergency departments. Atlanta, GA. 9/09/09-9/10/09.

PUBLICATIONS

- 1) Evaluation of the National Healthcare Safety Network (NHSN) Hemovigilance Module (HM) for Transfusion-related adverse reactions in the United States. C Edens, KA Haass, M Cumming, A Osinski, L O’Hearn, K Passanisi, L Eaton, P Visintainer, A Savinkina, MJ Kuehnert, **SV Basavaraju**, C Andrzejewski. *Transfusion*. (in press-Accepted 9/2018)
- 2) Savinkina, A., Sapiano, M., Berger, J., **Basavaraju, SV**. Is surgical volume still the most accurate indicator of blood usage in the United States? *Transfusion* (in press-Accepted 9/2018).

- 3) HK Smalley, N Anand, D Buczek, N Buczek, T Lin, T Rajore, M Wacker, **SV Basavaraju**, BM Gurbaxani, T Hammett, P Keskinocak, J Sokol, M Kuehnert . Assessment of risk for transplant-transmissible infectious encephalitis among deceased liver donors. *Transplant Infect Dis*. 2018 May 29:e12933. [Epub ahead of print].
- 4) SC Dollard, D Douglas, **SV Basavaraju**, DS Schmid, M Kuehnert, B Aqel. Donor derived Kaposi's sarcoma in a liver-kidney transplant recipient. *Am J Transplant*. 2017 Oct;17(10):2733-2736.
- 5) H Venkat, L Adams, R Sunenshine, E Krow-Lucal, C Levy, T Kafenbaum, T Sylvester, K Smith, J Townsend, M Dosmann, H Kamel, R Patron, M Kuehnert, P Annambhotla, **SV Basavaraju**, IB Rabe. St. Louis Encephalitis Virus Possibly Transmitted Through Blood Transfusion — Arizona, 2015. *Transfusion*. 2017 Dec;57(12):2987-2994.
- 6) MRP Sapiano, AA Savinkina, KD Ellingson, KA Haass, ML Baker, RA Henry, JJ Berger, MJ. Kuehnert, **SV Basavaraju**. Supplemental Findings from the National Blood Collection and Utilization Surveys, 2013 and 2015. *Transfusion*. 2017 Jun;57 Suppl 2:1599-1624. doi: 10.1111/trf.14168
- 7) KD Ellingson, MRP Sapiano, KA Haass, AA Savinkina, ML Baker, RA Henry, JJ Berger, MJ Kuehnert, **SV Basavaraju**. Cost projections for implementation of safety interventions to prevent transfusion-transmitted Zika virus infection in the United States. *Transfusion*. 2017 Jun;57 Suppl 2:1625-1633. doi: 10.1111/trf.14164..
- 8) KD Ellingson, MRP Sapiano, KA Haass, AA Savinkina, ML Baker, KW Chung, RA Henry, JJ Berger, MJ Kuehnert, **SV Basavaraju**. Continued Decline in Blood Collection and Transfusion in the United States – 2015. *Transfusion*. 2017 Jun;57 Suppl 2:1588-1598. doi: 0.1111/trf.14165..
- 9) SA Novosad, **SV Basavaraju**, M. Mohr, P Annambhotla, A. Halpin, L. Foy, R Chmielewski, JM Winchell, AJ Benitez, SS Morrison, T Johnson, DM Crabb, AE Ratliff, K. Waites, MJ Kuehnert. Mycoplasma hominis Infections Transmitted through Amniotic Tissue Product. *Clin Infect Dis*. 2017 May 31. doi: 10.1093/cid/cix507. [Epub ahead of print].
- 10) JC Forbi, M Dillon, MAPurdy, BS Drammeh, A Tejada-Strop, D McGovern, G Xia, Y Lin, LM Ganova-Raeva, DS Campo, H Thai, G Vaughan, D Haule, RP Kutaga, **SV Basavaraju**, S Kamili, YE Khudyakov. Molecular epidemiology of Hepatitis B virus infection in Tanzania. *J Gen Virol*. 2017 May 25. doi: 10.1099/jgv.0.000776. [Epub ahead of print].
- 11) G. Mathur, K. Yadav, B. Ford, I.J. Schafer, **SV Basavaraju**, B Knust, W. Shieh, S. Hill, GD Locke, P. Quinlisk, S. Brown, A. Gibbons, D. Cannon, M. Kuehnert, ST Nichol, PE Rollin, U Ströher, R.Miller. High clinical suspicion of donor-derived disease leads to timely recognition and early intervention to treat solid organ transplant-transmitted Lymphocytic Choriomeningitis Virus. *Transpl Infect Dis*. 2017 Apr 19. doi: 10.1111/tid.12707. [Epub ahead of print].
- 12) MA Foster, LM Weil, S Lin, T Johnson, T Hayden, Y Khudyakov, PD Annambhotla, **SV Basavaraju**, S Kamili, JM Ritter, N Nelson, G Mazariegos, M Green, RW. Himes, DT Kuhar, MJ Kuehnert, JA Miller, R Wiseman, AC Moorman. Transmission of Hepatitis A virus through combined liver-small intestine-pancreas transplantation. *Emerg Infect Dis*. 2017 Apr;23(4):590-596. doi: 10.3201/eid2304.161532.

- 13) MS Chevalier, BJ Biggerstaff, **SV Basavaraju**, MCB Ocfemia, JO Alsina, C Climent-Peris, RR Moseley, KW Chung, B Rivera-García, M Bello-Pagán, LL Pate, SA Galel, MJ Kuehnert. Use of blood donor screening data to estimate Zika virus incidence, Puerto Rico, April–August, 2016. *Emerg Infect Dis.* 2017 May 15; 23(5).
- 14) RM Smith, A Muehlenbachs, J Schaenmann, S Baxi, S Koo, D Blau, P Chin-Hong, AR Thorner, MJ Kuehnert, K Wheeler, A Liakos, JW Jackson, T Benedict, AJ. da Silva, JM Ritter, D Rollin, M Metcalfe, GS Visvesvara, **SV Basavaraju**, S Zaki. 2. Three Cases of Neurologic Syndrome Caused by Donor-Derived Microsporidiosis. *Emerg Infect Dis.* 2017 Mar;23 (3): 387-395.
- 15) PD Annambhotla, BM Gurbaxani, MJ Kuehnert, **SV Basavaraju**. A model to estimate the probability of human immunodeficiency virus and hepatitis C infection despite negative nucleic acid testing among increased risk organ donors. *Transpl Infect Dis.* 2017 Apr;19(2).
- 16) KW Chung, **SV Basavaraju**, Y Mu, KL van Santen, KA Haass, R Henry, J Berger, MJ Kuehnert. Declining blood collection and utilization in the United States. *Transfusion.* 2016 Sep; 56 (9):2184-92.
- 17) M Lahuerta, D Selenic, G Kassa, G Mwakitosha, J Hokororo, H Ngonyani, **SV Basavaraju**, C. Courtenay-Quirk, Y Liu, K Kazaura, D Simbeye, N Bock. Reporting and case management of occupational exposures to blood-borne pathogens among health care workers in three healthcare facilities in Tanzania. *Journal of Infection Prevention.* 2016, 17(4) 153–160.
- 18) **SV Basavaraju** and MJ Kuehnert. Custodes Invicem Custodiunt (The watchmen can watch each other). *Transfusion.* 2015 Sep 55(9):2293-2294. doi: 10.1111/trf.13194
- 19) A Suryaprasad, **SV Basavaraju**, SN Hocevar, N Theodoropoulos, RA Zuckerman, T Hayden, J Forbi, D Pegues, M Levine, SI Martin, MJ Kuehnert, EA Blumberg. Transmission of hepatitis C virus from organ donors despite nucleic acid test screening. *Am J Transplant.* 2015 Jul;15(7):1827-35].
- 20) JP Pitman, **SV Basavaraju**, RW Shiraishi, R Wilkinson, B von Finckenstein, DW Lowrance, AA Marfin, M Postma, M Mataranyika, CS Sibinga. Namibia’s transition from whole blood-derived pooled platelets to single-donor apheresis platelet collections. *Transfusion.* 2015 Jul;55(7):1685-92.
- 21) K Chung, AR Harvey, **SV Basavaraju**, MJ Kuehnert. How is national recipient hemovigilance conducted in the United States? *Transfusion.* 2015 Apr;55(4):703-7.
- 22) JP Pitman, R Wilkinson, Y Liu, B von Finckenstein, CS Sibinga, DW Lowrance, AA Marfin, MJ Postma, M Mataranyika, **SV Basavaraju**. Blood component use in a sub-Saharan African country: Results of a four-year evaluation of diagnoses associated with transfusion requests in Namibia. *Transfus Med Rev.* 2015 Jan;29 (1):45-51.
- 23) AR Harvey, **SV Basavaraju**, K Chung, MJ Kuehnert. Transfusion-related adverse reactions reported to the National Healthcare Safety Network Hemovigilance Module, United States, 2010-2012. *Transfusion* 2015 Apr;55(4):709-18.

- 24) JP Pitman, A Bocking, R Wilkinson, M Postma, **SV Basavaraju**, B von Finckenstein, M Mataranyika, AA Marfin, DW Lowrance, CT Smit Sibinga. The impact of external donor support through the U.S. President's Emergency Plan for AIDS Relief on the cost of red cell concentrate in Namibia, 2004-2011. *Blood Transfus.* 2015 Apr;13(2):240-7. doi: 10.2450/2014.0122-14.
- 25) JM Wendt, D Kaul, BM Limbago, M Ramesh, S Cohle, AM Denison, EM Driebe, JK Rasheed, SR Zaki, DM Blau, CD Paddock, LK McDougal, DM Engelthaler, PS Keim, CC Roe, H Akselrod, MJ Kuehnert, **SV Basavaraju**. Transmission of methicillin-resistant *Staphylococcus aureus* infection through solid organ transplantation: Confirmation via whole genome sequencing. *Am J Transplant.* 2014 Nov;14 (11):2633-9.
- 26) JP Pitman, R Wilkinson, **SV Basavaraju**, B von Finckenstein, CTS Sibinga, AA Marfin, M Postma, M Mataranyika, J Tobias, DW Lowrance. Investments in blood safety improve the availability of blood to underserved areas in a sub-Saharan African country. *ISBT Sci Ser.* 2014 Nov;9(2):325-333.
- 27) **SV Basavaraju**, MJ Kuehnert, SR Zaki, JJ Sejvar. Encephalitis caused by pathogens transmitted through organ transplants, United States 2002–2013. *Emerg Infect Dis.* 2014; Sept 20 (9): 1443-1451.
- 28) BPL Meza, B Lohrke, R Wilkinson, JP Pitman, RW Shiraishi, N Bock, DW Lowrance, MJ Kuehnert, M Mataranyika, and **SV Basavaraju**. Estimation of the prevalence and rate of acute transfusion reactions occurring in Windhoek, Namibia. *Blood Transfus.* 2014; Jul 12(3):352-61; doi: 10.2450/2013.0143-13.
- 29) **SV Basavaraju**, B Lohrke, JP Pitman, SR Pathak, BPL Meza, RW Shiraishi, R Wilkinson, N Bock, M Mataranyika, and DW Lowrance. Knowledge and barriers related to reporting of acute transfusion reactions among healthcare workers in Namibia. *Transfus Med.* 2013 Oct;23(5):367-9.
- 30) NM Vora, **SV Basavaraju**, K Feldman, et al. Raccoon rabies virus variant transmission through solid organ transplantation. *JAMA.* 2013; 310 (4): 398-407. doi: 10.1001/jama.2013.7986.
- 31) KN Ouma, **SV Basavaraju**, JA Okonji, J Williamson, TK Thomas, LA Mills, JN Nkengasong, and C Zeh. Evaluation of quantification of HIV-1 RNA viral load in plasma and dried blood spots by use of the semiautomated Cobas Amplicor assay and the fully automated Cobas Ampliprep/TaqMan assay, version 2.0, in Kisumu, Kenya. *J Clin Microbiol.* 2013; 51 (4):1208-18.
- 32) A Agrawal, S Galwankar, V Kapil, V Coronado, **SV Basavaraju**, LC McGuire, R Joshi, SZ Quazi, and S Dwivedi. Epidemiology and clinical characteristics of traumatic brain injury in a rural setting in Maharashtra, India 2007-2009. *Int J Crit Illn Inj Sci.* 2012; 2 (3): 167-171.
- 33) JA Okonji, **SV Basavaraju**, J Mwangi, RW Shiraishi, M Odera, K Ouma, JP Pitman, LH Marum, CY Ou, and C Zeh. Comparison of HIV-1 detection in plasma specimens and dried blood spots using the Roche COBAS Ampliscreen HIV-1 test in Kisumu, Kenya. *J Virol Methods.* 2012; 179 (1): 21-25.
- 34) TM Dulski, **SV Basavaraju**, GA Hotz, L Xu, MU Selent, VA DeGennaro, D Andrews, H Ford, VG Coronado, and E Ginzburg. Factors associated with inpatient mortality in a field hospital following the Haiti earthquake, January-May 2010. *Am J Disaster Med.* 2011; 6 (5): 275-284.

- 35) **SV Basavaraju**, JP Pitman, LH Marum, C Zeh, RW Shiraishi, J Mwangi, and J Nyamongo. Author response to: Letter to the Editor HIV safety in Sub-Saharan Africa. *Vox Sang.* 2010; 100 (4):436-7.
- 36) **SV Basavaraju**, J Mwangi, T Kellogg, L Odawa and LH Marum. Quantification of print, radio and television exposure among previous blood donors in Kenya: An opportunity for encouraging repeat donation in a resource-limited setting? *Vox Sang.* 2010; 99 (3):274-7.
- 37) **SV Basavaraju**, J Mwangi, J Nyamongo, C Zeh, D Kimani, RW Shiraishi, R Madoda, JA Okonji, W Sugut, S Ongwae, JP Pitman, and LH Marum. Reduced risk of transfusion transmitted HIV in Kenya through centrally co-ordinated blood centres, stringent donor selection and effective p24 antigen-HIV antibody screening. *Vox Sang.* 2010; 99 (3):212-9.
- 38) **SV Basavaraju**, J Pitman, N Henry, C McEwan, C Harry, L Hasbrouck, and L Marum. The need for computerized tracking systems for resource-limited settings: The example of Georgetown, Guyana. *Transfusion Med.* 2009; 19 (3): 149-151.
- 39) **SV Basavaraju** and P Schantz. Soil transmitted helminths and *Plasmodium falciparum* malaria: epidemiology, clinical manifestations, and the role of nitric oxide in malaria and geohelminth co-infection. Do worms have a protective role in *P. falciparum* infection? *Mt Sinai J Med.* 2006; 73(8): 1098-1105.
- 40) B Nelson, **Basavaraju SV**, and Baumlin K. Sonographic diagnosis of axillary artery aneurysm presenting as painful axillary mass. *Ann Emerg Med.* 2006; 48(3): 339-340.
- 41) **SV Basavaraju**, Zhan B, Kennedy MW, Liu Y, Hawdon J, and Hotez PJ. Ac-FAR-1, a 20 kDa fatty acid and retinol binding protein secreted by adult *Ancylostoma caninum* hookworms: gene transcription pattern, ligand binding properties and structural characterization. *Mol Biochem Parasitol.* 2003; 126: 63-71
- 42) **SV Basavaraju** and PJ Hotez. Acute surgical and gastrointestinal complications of *Ascaris lumbricoides* infection. *Infections in Medicine.* 2002; 20(3): 154-159.

- 43) MA Imoisili, Ibia E, Porcalla AR, Shuhua X, Zhan B, **Basavaraju S**, Davis GM, and Hotez PJ. Helminth infections in China and Southeast Asia: Their burden in childhood and novel approaches to their control and diagnoses. *Asian J of Ped Practice*. 2001; 5(2): 51-62.

REPORTS

- 1) RZ Horth, JM Jones, JJ Kim, BK Lopansri, SJ Ilstrup, J Fridey, WE Kelley, SL Stramer, A Nambiar, L Ramirez-Avila, A Nichols, W Garcia, KF Oakeson, N Vlachos, G McAllister, R Hunter, AK Nakashima, **SV Basavaraju**. Fatal Sepsis Associated with Bacterial Contamination of Platelets — Utah and California, August 2017. *MMWR Morb Mortal Wkly Rep*. 2018; 67: 718-722.
- 2) A Kay, PM Barry, P Annambhotla, C Greene, M Cilnis, P Chin-Hong, N Arger, L McNitt, N Neidlinger, N Shah, **SV Basavaraju**, M Kuehnert, T Shaw. Solid Organ Transplant–Transmitted Tuberculosis Linked to a Community Outbreak — California, 2015. *MMWR Morb Mortal Wkly Rep*. 2017; 66: 801-805.
- 3) MJ Kuehnert, **SV Basavaraju**, RR Moseley, LL Pate, SA Galel, PC Williamson, MP Busch, JO Alsina, C Climent-Peris, PW Marks, JS Epstein, HL Nakhasi, J Peyton Hobson, DA Leiby, PN Akolkar, LR Petersen, B Rivera-Garcia. Screening of Blood Donations for Zika Virus Infection — Puerto Rico, April 3–June 11, 2016. *MMWR Morb Mortal Wkly Rep*. 2016;65: 627–8.
- 4) AM Vasquez, MRP Sapiano, **SV Basavaraju**, MJ Kuehnert, B Rivera-Garcia. Survey of blood collection centers and implementation of guidance for prevention of transfusion-transmitted Zika virus infection — Puerto Rico, 2016. *MMWR Morb Mortal Wkly Rep*. 2016; 65(14):375-8. DOI: <http://dx.doi.org/10.15585/mmwr.mm6514e1>.
- 5) M.Chevalier, M. Kuehnert, **SV Basavaraju**, A. Bjork, JP Pitman. Progress toward strengthening national blood transfusion services—14 countries, 2011-2014. *MMWR Morb Mortal Wkly Rep* 2016; 65 (5): 115-119.
- 6) CDC (J Holmberg, **S Basavaraju**, C Reed, B Drammeh, and M Qualls). Progress toward strengthening national blood transfusion services – 14 countries, 2008-2010. *MMWR Morb Mortal Wkly Rep* 2011; 60 (46): 1577-1582.
- 7) DA Sleet, LL Dahlberg, **SV Basavaraju**, JA Mercy, LC McGuire, and A Greenspan. Injury prevention, violence prevention, and trauma care: Building the scientific base. *MMWR Surveill Summ* 2011 60 (4): 78-85.
- 8) VG Coronado, L Xu, **SV Basavaraju**, LC McGuire, M Faul, MM Wald, J Hemphill, and V Kapil. Traumatic Brain Injury-related Deaths, United States - 1997-2007. *MMWR Surveill Summ* 2011; 60 (5): 1-32.
- 9) CDC (Hotz G, Ginzburg E, Wurm G, DeGennaro V, Andrews D, **Basavaraju S**, Coronado V, Xu L, Dulski T, Moffett D, Tappero J, Selent M). Post-earthquake injuries at a field hospital — Haiti, 2010. *MMWR Morb Mortal Wkly Rep* 2011; 59 (51&52): 1673-1677.
- 10) RC Hunt, V Kapil, **SV Basavaraju**, SM Sasser, LC McGuire, and EE Sullivent. National Center for Injury Prevention and Control: Updated - In a Moment's Notice: Surge Capacity for Terrorist Bombings. Atlanta, GA: Centers for Disease Control and Prevention; 2010.
- 11) I Ashkenazi, RC Hunt, V Kapil, SM Sasser, **SV Basavaraju**, LC McGuire, LT Garbarino, and PS Peters. National Center for Injury Prevention and Control. Interim planning guidance for

preparedness and response to a mass casualty event resulting from terrorist use of explosives. Atlanta, GA: Centers for Disease Control and Prevention; 2010.

- 12) CDC. Global AIDS Program: U.S. President's Emergency Plan for AIDS Relief, Blood Safety State of the Program Area. Atlanta, GA, January 2009. (co-author)
- 13) CDC (Pitman J, Marum L, **Basavaraju S**, and McIntyre A.) Progress toward strengthening blood transfusion services – 14 countries, 2003-2007. *MMWR Morb Mortal Wkly Rep.* 2008; 57(47): 1273-1277.

BOOK CHAPTERS

- 1) **SV Basavaraju** and MJ Kuehnert (2019). Transfusion- and transplantation-transmitted infections. In JE Bennett, R Dolin, MJ Blaser (Eds), *Principles and Practice of Infectious Diseases*. 9th edition. Philadelphia: Elsevier.
- 2) MJ Kuehnert and **SV Basavaraju** (2014). Transfusion- and transplantation-transmitted infections. In JE Bennett, R Dolin, MJ Blaser (Eds), *Principles and Practice of Infectious Diseases*. 8th edition. chapter 306; pp 3351-3360. Philadelphia: Elsevier.
- 3) **SV Basavaraju** and JP Pitman. (2014). Dried blood spots for use in HIV-related epidemiological studies in resource-limited settings. In W. Li and M.S. Lee (Eds), *Dried Blood Spots: Applications and Techniques*. chapter 7; pp 76-94. New York: John Wiley and Sons.

CONFERENCE ABSTRACTS/PRESENTATIONS

Oral Presentations:

- 1) A Limeres, KH Haass, S Clasp, C Holmes, **SV Basavaraju**. Analysis of State Reporting Laws of Transfusion-Associated Adverse Events to Health Departments and the Utility of CDC's NHSN Hemovigilance Module. Council of State and Territorial Epidemiologists Annual Meeting (West Palm Beach, FL, June 2018)
- 2) .KA Haass, A Savinkina, ML Baker, MJ Kuehnert, **SV Basavaraju**. Surveillance for transfusion-transmitted infections among Pathogen Reduction Technology-treated apheresis platelets reported to the National Healthcare Safety Network Hemovigilance Module Council of State and Territorial Epidemiologists Annual Meeting (Boise, ID, June 2017)
- 3) KA Haass, MRP Sapiano, MJ Kuehnert, **SV Basavaraju**. Transfusion-transmitted Infections reported to the National Healthcare Safety Network Hemovigilance Module, 2010 – 2015. Council of State and Territorial Epidemiologists Annual Meeting (Anchorage, AK, June 2016).
- 4) KA Haass, MRP Sapiano, **SV Basavaraju**, MJ Kuehnert. Severe adverse transfusion-related reactions reported to the national healthcare safety network hemovigilance module, United States, 2013 to 2015. International Society of Blood Transfusion International Conference (Dubai, UAE September 2016).

- 5) PD Annambhotla, B Gurbaxani, MJ Kuehnert, **SV Basavaraju**. Development of a risk assessment model for HIV among increased risk deceased donors with negative nucleic acid testing. (Presented at American Transplant Congress, Philadelphia, PA, May 2015).
- 6) N Theodoropoulos, **S Basavaraju**, et al. Transmission of Hepatitis C Virus (HCV) from a Deceased Organ Donor at Increased Risk of HCV infection with Negative Nucleic Acid Test Screening at the Time of Organ Donation. (Presented at IDWeek 2014. Philadelphia, PA, October 2014).
- 7) J Wendt, H Akselrod, S Cohle, D Kaul, M Ramesh, A Denison, M DeLeon-Carnes, D Blau, C Paddock, M Kuehnert, and **S Basavaraju**. Transmission of Methicillin-Resistant *Staphylococcus aureus* infection through solid organ transplantation. (Presented at IDWeek 2013. San Francisco, California, October 2013).
- 8) M. Lahuerta , D. Selenic, G. Mwakitoshia , J. Hokororo, H. Ngonyani , G. Kassa, R. Mbatia , **S. V. Basavaraju**, C. Courtenay-Quirk , Y. Liu, D. Simbeye , K. Kazura , G. Antelman , N. Bock. Reporting and case management of bloodborne pathogen exposures among healthcare workers in Tanzania. Presented at 2nd International Conference on Prevention & Infection Control. Geneva, Switzerland, July 2013.
- 9) KN Ouma, **SV Basavaraju**, J Okonji, J Williamson, T Thomas, J Nkengasong, LA Mills, C Zeh. A Field Evaluation of HIV-1 RNA Viral Load in plasma and Dried Blood Spots Using the Semi-automated COBAS Amplicor and the fully Automated COBAS Ampliprep/Taqman in Kisumu, Kenya. Presented at International AIDS Society conference. Washington DC, July, 2012.
- 10) Dulski T, **S Basavaraju**, G Hotz, L Xu, M Selent, V DeGennaro, D Andrews, H Ford, V Coronado, E Ginzburg. Factors associated with inpatient mortality in a field hospital following the Haiti earthquake, January-May 2010. *Academic Emergency Medicine* 2011; 18(5): S244. (presented at Annual Meeting of the Society for Academic Emergency Medicine. Boston, MA, June, 2011).
- 11) LC McGuire, M Faul, MM Wald, L Xu, V Coronado, **S Basavaraju**, V Kapil. Traumatic brain injury in older adults: Newly released national estimates. *The Gerontologist* 2011; 50 (suppl 1): 520-521. (presented at Gerontological Society of America Annual Convention. New Orleans, LA, November, 2010).
- 12) V Coronado, L Xu, L McGuire, **S Basavaraju**, M Faul, M Wald. Traumatic brain injury-related deaths due to motorcycle crashes in the United States for 1997-2007. *J Head Trauma Rehabil.* 2010; 25 (5): nr 0049. (presented at North American Brain Injury Society [NABIS]).
- 13) M Faul, **S Basavaraju**, L Xu, M Wald, L McGuire. Comorbidities and reduced mortality among mild traumatic brain injury patients. *J Head Trauma Rehabil.* 2010; 25 (5): nr 0028. (presented at NABIS).
- 14) Haiti Director's Update Briefing. CDC Director, Atlanta, GA, September, 2010.
- 15) Blood supply and demand: Georgetown, Guyana, November 2007. WHO Expert's Consultation on Estimation of Blood Requirements. Geneva, Switzerland, February, 2010.
- 16) **S Basavaraju** and A McIntyre. Progress in strengthening national blood transfusion services: U.S. President's Emergency Plan for AIDS Relief, 2003-2007. CDC Tuesday Morning Seminar,

August, 2008 and AABB (formerly American Association of Blood Banks) Annual Meeting and Expo, Montreal, Canada, October, 2008.

17) Transfusion reaction surveillance in Kenya. CDC Fall EIS course, October, 2007.

Poster Presentation:

- 1) D Selenic, M Lahuerta, **S Basavaraju**, C Courtney-Quirk, Y Liu, F Sood, E Msidi, G Kassa, M Sakala, M Kapina, C Malama, E Masebe, R Lungwebungu, N Bock. Occupational Exposure to Bloodborne Pathogens among Health Care Workers in Zambia: Reporting and Utilization of Post-Exposure Prophylaxis. 7th International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention. Kuala Lumpur, Malaysia, July 2013.
- 2) JA Okonji, **SV Basavaraju**, RW Shiraishi, JP Pitman, CY Ou and C Zeh. Comparison of HIV-1 detection in plasma specimens and dried blood spots using the Roche COBAS Ampliscreen HIV-1 test: Implications for blood banking in resource-limited settings. *Transfusion* 2011; 51 (s3) nr SP 458. (presented at AABB Annual Meeting & CTTXPO, San Diego, California, October, 2011).
- 3) **SV Basavaraju**, J Mwangi, J Nyamongo, C Zeh, RW Shiraishi, and LH Marum. Reduced risk of transfusion transmitted HIV in Kenya: Nucleic acid testing (NAT) does not detect additional HIV infections compared with fourth generation combined p24 antigen and HIV antibody screening. XVIII International AIDS Conference, Vienna, Austria, July, 2010.
- 4) **S Basavaraju**, J Pitman, C Harry, C McEwan, L Hasbrouck, N Henry and L Marum. How Severe Is the Blood Shortage? Blood Distribution in Georgetown, Guyana, November 2007. EIS Conference, Atlanta, GA, April, 2009.
- 5) **S Basavaraju**, J Pitman, C Harry, C McEwan, L Hasbrouck, N Henry, and L Marum. Blood utilization in a resource limited setting: Lessons from Guyana. Leveraging HIV prevention programs to improve hospital systems. HIV Implementers Meeting, Kampala, Uganda, June, 2008.

INVITED LECTURES

- 1) **SV Basavaraju**. "Donor-derived infectious disease risk through solid organ transplantation and surveillance in the United States." Quebec Biovigilance Committee Public Forum on Vigilance for human-derived products, Montreal, Canada. November 16, 2016.
- 2) **SV Basavaraju**. "CDC investigations of transmission of rare pathogens microsporidia, LCMV, Balamuthia and rabies where do we go from here?" American Transplant Congress, Philadelphia, PA. May 2015.
- 3) R Walsh, D Kaul, S Zaki, & **SV Basavaraju**. "Unusual Transplant-associated Infections: Just How Unusual?" CDC Public Health Grand Rounds. Atlanta, GA. November 18, 2014.
- 4) P Chin-Hong & **SV Basavaraju**. "Difficult donor issues in transplant infectious diseases." 2014 IDWeek, Philadelphia, PA. October 9, 2014.

- 5) N Vora, J Ritter, **S Basavaraju**. “The masked bandit: a transplant tragedy.” CDC National Center for Emerging and Zoonotic Infectious Diseases Science Forum Seminar. Atlanta, GA. July 24, 2013.
- 6) R Wallace, N Vora, **S Basavaraju**. “Undiagnosed human rabies case resulting in organ-transplant associated rabies transmission, 2013.” CDC Division of High Consequence Pathogens and Pathology Epi-forum. Atlanta, GA. July 17, 2013.
- 7) **SV Basavaraju** and B Lohrke. “Evaluation of a national hemovigilance system and estimation of the prevalence and rate of acute transfusion reactions, Windhoek, Namibia 2011.” WHO Global Consultation on Hemovigilance, Dubai, United Arab Emirates. November 2012 (*given by B. Lohrke due to family emergency*).
- 8) **SV Basavaraju**. “A career in international health following residency in emergency medicine.” Mount Sinai School of Medicine, New York, NY. Department of Emergency Medicine, Grand Rounds. January 25, 2012.