

# Stanford

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## Mehlika Toy

Instructor, Surgery - General Surgery

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Surgery - General Surgery
- Member, Stanford Cancer Institute

#### HONORS AND AWARDS

- NEEMA (Epidemiologic and Economic Modeling Grant). co-PI, Centers for Disease Control and Prevention (2020-2025)
- The 2016 Stanford Cancer Institute Translational Research Grant, Stanford Cancer Institute (2016-2017)
- Spectrum Accelerator Innovation Seed Grant, Stanford Center for Clinical and Translational Research and Education (2014-2015)
- Takemi Fellow in International Health, Harvard School of Public Health (2011-2013)
- Gratification for Exceptional Research, Erasmus Medical Center (2008)
- Sheila Sherlock Fellowship, European Association for the Study of the Liver (2008)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, ICE-HBV International Coalition to Eliminate HBV (2017 - present)
- Member, Strategic Information and Modeling Reference Group, World Health Organization (2016 - present)
- Expert Panel, European Association for the Study of the Liver (EASL) (2015 - present)
- Expert Panel, The Asian Pacific Association for the Study of the Liver (APASL) (2015 - present)
- Member of the Liver Cancer Working Group, Stanford University (2014 - present)
- Editorial Board, World Journal of Gastroenterology (2013 - present)
- Member, International Society for Pharmacoeconomics and Outcomes Research (ISPOR) (2012 - present)
- Advisor, Burden of Disease Study Bielefeld, Germany (2010 - 2011)
- Member of Knowledge Team, LiverDoc (2007 - present)
- Platform Member, European Vigilance Network for the Management of Antiviral Drug Resistance (VIRGIL) (2007 - 2008)

#### SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Global Hepatitis Report 2017
- Public Health Internship (2006)
- Research Hepatitis B (2010)
- Research Hepatitis B (2009)

## LINKS

- The Hep B Calculator: <http://hepbcalculator.org>

## Publications

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### PUBLICATIONS

- **Cost-Effectiveness of Testing and Treatment for Hepatitis B Virus and Hepatitis C Virus Infections: An Analysis by Scenarios, Regions, and Income.** *Value in health : the journal of the International Society for Pharmacoeconomics and Outcomes Research*  
Tordrup, D., Hutin, Y., Stenberg, K., Lauer, J. A., Hutton, D. W., Toy, M., Scott, N., Chhatwal, J., Ball, A.  
2020; 23 (12): 1552–60
- **The case for simplifying and using absolute targets for viral hepatitis elimination goals** *JOURNAL OF VIRAL HEPATITIS*  
Razavi, H., Blach, S., Razavi-Shearers, D., Abaalkhail, F., Abbas, Z., Abdallah, A., Ferreira, P., Abu Raddad, L., Adda, D., Agarwal, K., Aghemo, A., Ahmed, A., Al-Busafi, et al  
2020
- **Hepatitis Delta Virus Epidemiology in the Industrialized World.** *AIDS reviews*  
Toy, M., Ahishali, E., Yurdaydin, C.  
2020; 23 (3)
- **Hepatitis B cure: modeling the economics of a potential cost of a cure.** *Current opinion in HIV and AIDS*  
Toy, M., So, S., Hutton, D. W.  
2020
- **Causes and trends in liver disease and hepatocellular carcinoma among men and women who received liver transplants in the U.S., 2010-2019.** *PLoS one*  
Wang, S., Toy, M., Hang Pham, T. T., So, S.  
2020; 15 (9): e0239393
- **WHO ARE RECEIVING LIVER TRANSPLANTS IN THE US IN THE ERA OF DAAS?**  
Wang, S., Toy, M., So, S. K.  
WILEY.2019: 922A
- **Additional resource needs for viral hepatitis elimination through universal health coverage: projections in 67 low-income and middle-income countries, 2016-30.** *The Lancet. Global health*  
Tordrup, D., Hutin, Y., Stenberg, K., Lauer, J. A., Hutton, D. W., Toy, M., Scott, N., Bulterys, M., Ball, A., Hirschall, G.  
2019
- **Barriers to Disease Monitoring and Liver Cancer Surveillance Among Patients with Chronic Hepatitis B in the United States** *JOURNAL OF COMMUNITY HEALTH*  
Ispas, S., So, S., Toy, M.  
2019; 44 (3): 610–25
- **Knowledge, attitudes and practices of hepatitis B prevention and immunization of pregnant women and mothers in northern Vietnam** *PLOS ONE*  
Pham, T., Le, T. X., Nguyen, D. T., Luu, C. M., Truong, B. D., Tran, P. D., Toy, M., So, S.  
2019; 14 (4)
- **Economic Analyses to Inform and Support Health Policy for Chronic Hepatitis B Treatment** *Current Hepatology Reports*  
Toy, M., Hutton, D. W., So, S.  
2019
- **Hepatitis Delta Virus Infection: A Large Burden After All?** *The Journal of infectious diseases*  
Yurdaydin, C., Toy, M.  
2019
- **The Hep B Calculator: an online tool for cost-effectiveness analyses of treatment.** *The lancet. Gastroenterology & hepatology*  
Toy, M., Hutton, D. W., Lauer, J., Bulterys, M., Hutin, Y., So, S.  
2019

- **Knowledge, attitudes and medical practice regarding hepatitis B prevention and management among healthcare workers in Northern Vietnam.** *PloS one*  
Hang Pham, T. T., Le, T. X., Nguyen, D. T., Luu, C. M., Truong, B. D., Tran, P. D., Toy, M., Bozkurt, S., So, S.  
2019; 14 (10): e0223733
- **Population Health And Economic Impacts Of Reaching Chronic Hepatitis B Diagnosis And Treatment Targets In The US.** *Health affairs (Project Hope)*  
Toy, M., Hutton, D. W., So, S.  
2018; 37 (7): 1033–40
- **Racial/ethnic- and county-specific prevalence of chronic hepatitis B and its burden in California** *Hepatology, Medicine and Policy*  
Toy, M., Wei, B., Virdi, T. S., Le, A., Trinh, H., Li, J., Zhang, J., Hsing, A. W., So, S. K., Nguyen, M. H.  
2018; 3 (6)
- **Age and gender-specific disease progression rates to cirrhosis and hepatocellular carcinoma (HCC) in treated and untreated patients with chronic hepatitis B**  
Le, A. K., Toy, M., Yang, H., Trinh, H. N., Zhang, J. Q., Wong, C., Wong, C., Li, J., Nguyen, M. H.  
WILEY.2017: 994A
- **Suboptimal rates, trends and predictors of hepatitis B vaccination in a population-based sample of children and adolescents in the United States (US) between 1999 and 2014**  
Le, M. H., Toy, M., Gane, E. J., So, S., Nguyen, M. H.  
WILEY.2017: 1003A
- **Prevalence and predictors of hepatitis B immunization in adults without immunity for hepatitis B from 1999-2014: a population-based study of 27,713 adults in the US**  
Le, M. H., Toy, M., Gane, E. J., So, S., Nguyen, M. H.  
WILEY.2017: 1004A
- **Population Health Impact and Cost-Effectiveness of Chronic Hepatitis B Diagnosis, Care, and Treatment in the United States** *A National Strategy for the Elimination of Hepatitis B and C: Phase Two Report*  
Toy, M.  
The National Academies of Sciences.2017: Appendix 1
- **Viral Hepatitis Strategic Information and Modelling Reference Group Meeting report 14–16 June 2016 WHO headquarters, Geneva, Switzerland**  
Hutin, Y., Aggarwal, R., Cowie, B., Hallet, T., Hutchinson, S., Razavi, H., Abu-Raddad, L., Toy, M., Chhatwal, J.  
World Health Organization.  
2016
- **Emerging Technologies for Point-of-Care Management of HIV Infection** *ANNUAL REVIEW OF MEDICINE, VOL 66*  
Shafiee, H., Wang, S., Inci, F., Toy, M., Henrich, T. J., Kuritzkes, D. R., Demirci, U.  
2015; 66: 387-405
- **Cost-Effectiveness and Cost Thresholds of Generic and Brand Drugs in a National Chronic Hepatitis B Treatment Program in China.** *PloS one*  
Toy, M., Hutton, D. W., So, S. K.  
2015; 10 (11)
- **Recent advances in micro/nanotechnologies for global control of hepatitis B infection** *BIOTECHNOLOGY ADVANCES*  
Yildiz, U. H., Inci, F., Wang, S., Toy, M., Tekin, H. C., Javid, A., Lau, D. T., Demirci, U.  
2015; 33 (1): 178-190
- **Population Health Impact and Cost-Effectiveness of Monitoring Inactive Chronic Hepatitis B and Treating Eligible Patients in Shanghai, China** *HEPATOLOGY*  
Toy, M., Salomon, J. A., Jiang, H., Gui, H., Wang, H., Wang, J., Richardus, J. H., Xie, Q.  
2014; 60 (1): 46-55
- **Preventing hepatocellular carcinoma: the crucial role of chronic hepatitis B monitoring and antiviral treatment** *Hepatic Oncology*  
Toy, M., Demirci, U., So, S.  
2014; 1 (3): 255-257
- **Cost-effective interventions in the control of chronic hepatitis B infection** *European Medical Journal: Hepatology*  
Toy, M.

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2014; 1: 71-76

- **Cost-effectiveness of viral hepatitis B & C treatment** *BEST PRACTICE & RESEARCH IN CLINICAL GASTROENTEROLOGY*  
Toy, M.  
2013; 27 (6): 973-985
- **A Mathematical Approach for Evaluating Markov Models in Continuous Time without Discrete-Event Simulation** *MEDICAL DECISION MAKING*  
van Rosmalen, J., Toy, M., O'Mahony, J. F.  
2013; 33 (6): 767-779
- **Cost-effectiveness of Augmenting Universal Hepatitis B Vaccination With Immunoglobulin Treatment** *PEDIATRICS*  
Chen, S. C., Toy, M., Yeh, J. M., Wang, J., Resch, S.  
2013; 131 (4): E1135-E1143
- **High disease progression and medical costs if not detected in a high endemic chronic hepatitis B region: a cost-effectiveness analysis** *Journal of Antivirals and Antiretrovirals*  
Li, S., Onder, F. O., Xie, Q., Liu, Y., Toy, M.  
2013; 5: 154-159
- **The cost-effectiveness of treating chronic hepatitis B patients in a median endemic and middle income country** *EUROPEAN JOURNAL OF HEALTH ECONOMICS*  
Toy, M., Onder, F. O., Idilman, R., Kabacam, G., Richardus, J. H., Bozdayi, M., Akdogan, M., Kuloglu, Z., Kansu, A., Schalm, S., Yurdaydin, C.  
2012; 13 (5): 663-676
- **Age- and region-specific hepatitis B prevalence in Turkey estimated using generalized linear mixed models: a systematic review** *BMC INFECTIOUS DISEASES*  
Toy, M., Onder, F. O., Woermann, T., Bozdayi, A. M., Schalm, S. W., Borsboom, G. J., van Rosmalen, J., Richardus, J. H., Yurdaydin, C.  
2011; 11
- **Screening and Early Treatment of Migrants for Chronic Hepatitis B Virus Infection Is Cost-Effective** *GASTROENTEROLOGY*  
Veldhuijzen, I. K., Toy, M., Hahne, S. J., de Wit, G. A., Schalm, S. W., de Man, R. A., Richardus, J. H.  
2010; 138 (2): 522-530
- **Potential Impact of Long-Term Nucleoside Therapy on the Mortality and Morbidity of Active Chronic Hepatitis B** *HEPATOLOGY*  
Toy, M., Veldhuijzen, I. K., de Man, R. A., Richardus, J. H., Schalm, S. W.  
2009; 50 (3): 743-751
- **Transmission routes of hepatitis B virus infection in chronic hepatitis B patients in the Netherlands** *JOURNAL OF MEDICAL VIROLOGY*  
Toy, M., Veldhuijzen, I. K., Mostert, M. C., de Man, R. A., Richardus, J. H.  
2008; 80 (3): 399-404