Contents

Public Health Intelligence and the Internet: Current State of the Art ................................. 1
Eun Kyong Shin and Arash Shaban-Nejad

Social Health Records: Gaining Insights into Public Health Behaviors, Emotions, and Disease Trajectories ...................... 19
Soon Ae Chun, James Geller and Xiang Ji

Using Dynamic Bayesian Networks for Incorporating Nontraditional Data Sources in Public Health Surveillance .................. 45
Masoumeh Izadi, Katia Charland and David L. Buckeridge

Post Classification and Recommendation for an Online Smoking Cessation Community ................................. 59
Mi Zhang and Christopher C. Yang

Hashtag Mining: Discovering Relationship Between Health Concepts and Hashtags ................................. 75
Quanzhi Li, Sameena Shah, Rui Fang, Armineh Nourbakhsh and Xiaomo Liu

Studying Military Community Health, Well-Being, and Discourse Through the Social Media Lens ........................................ 87
Umashanthi Pavalananthan, Vivek Datla, Svitlana Volkova, Lauren Charles-Smith, Meg Pirrung, Josh Harrison, Alan Chappell and Courtney D. Corley

Towards Monitoring Marijuana Activities via User-Generated Content Platforms and Social Networks ..................... 107
Anh Nguyen, Hoang Pham, Dong Nguyen and Tuan Tran

Online Public Health Intelligence: Ethical Considerations at the Big Data Era ........................................ 129
Hiroshi Mamiya, Arash Shaban-Nejad and David L. Buckeridge
Public Health Intelligence and the Internet
Shaban-Nejad, A.; Brownstein, J.S.; Buckeridge, D.L.
(Eds.)
2017, XII, 148 p. 36 illus., Hardcover
ISBN: 978-3-319-68602-8