

# HEALTH MATTERS, INC.

## SUMMARY OF PROJECTS AND KEY ACCOMPLISHMENTS---2014 TO 2016

### Selected 2016 Highlights

- ✚ Epidemiologic research on chronic kidney disease and fistula patency, solid and hematologic malignancies
- ✚ Health economics and outcomes research on beta<sub>3</sub>-agonist treatment for overactive bladder, payer value proposition for hidradenitis suppurativa, pulmonary hypertension, tyrosine kinase inhibitor treatment of non-small cell lung cancer
- ✚ Strategic consulting and publication planning on endometrial cancer, hidradenitis suppurativa, emergency contraception, overactive bladder, metastatic renal cell carcinoma, prescription to OTC switch for non-steroidal antiinflammatory and cycloxygenase-2 selective inhibitors
- ✚ 17 manuscripts for peer-reviewed journals
- ✚ 39 peer-reviewed articles for an online accredited medical news service

### 2016 in Review

- ✚ Epidemiologic research:
  - Disease area review on hidradenitis suppurativa
  - Disease area review on overactive bladder
  - Clinical study design and analysis plan for a prospective case-control study to assess patient-reported outcomes associated with fistula placement and patency in hemodialysis
  - Research protocol for a longitudinal observational registry study to evaluate clinical outcomes associated with next-generation genomic sequencing for advanced solid and hematologic malignancies
  - Development of patient and disease profiles associated with increased cardiovascular events attributed to non-steroidal anti-inflammatory drugs and cyclooxygenase-2 selective inhibitors for acute and chronic pain
- ✚ Health economics and outcomes research:
  - Market access value dossier on therapeutic options for overactive bladder
  - Global value dossier on advanced and metastatic renal cell carcinoma
  - Costs and healthcare utilization associated with oral tyrosine kinase inhibitor therapy for advanced non-small cell lung cancer

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- ✚ Strategic consulting and publication planning:
  - Scientific platform and publication plan for a small-molecule multitargeted receptor tyrosine kinase inhibitor for metastatic renal cell carcinoma
  - Benefit-risk analysis and new drug briefing package for the switch from prescription to over-the-counter emergency contraception
  - Strategic platform and publication plan for a targeted cytotoxic peptide conjugate for advanced, metastatic endometrial cancer
- ✚ 17 manuscripts for peer-reviewed journals:
  - Healthcare costs and resource utilization associated with tyrosine kinase inhibitor treatment of advanced non-small cell lung cancer
  - Medical therapy for gram-positive acute bacterial skin and skin structure infections (2)
  - Global prevalence and management of asthma (2)
  - Nonopioid management of chronic pain (2)
  - Prevention of opioid overdose and poisoning
  - Safety and efficacy of immunotherapy for metastatic renal cell carcinoma
  - Luteinizing hormone-releasing hormone for the inhibition of human cancer
  - Incidence, risk factors, and prevention of non-ventilator associated hospital-acquired pneumonia (2)
  - Treatment patterns and direct medical costs associated with phosphodiesterase type 5 inhibitor treatment of pulmonary hypertension
  - Comparative analysis of intervention for the prevention of migraine
  - Treatment adherence in chronic obstructive pulmonary disease
  - Incidence, risk factors, and prevention of patient-handling injuries to healthcare workers
  - Surveillance versus monitoring in patient care
- ✚ 39 interactive, online educational articles for clinicians on atrial fibrillation, attention deficit hyperactivity disorder, binge eating disorder, fractures and falls, follicular lymphoma, gout, osteoporosis, osteoarthritis, psoriasis, psoriatic arthritis, and rheumatoid arthritis

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### 2015 Highlights

- ✚ Epidemiological research, strategic consulting, and publication planning on cardiovascular events associated with NSAIDs and COX-2 inhibitors, NAFLD and NASH, oncology, safe patient handling, urology, and vasomotor symptoms
- ✚ Interactive training programs for clinical sales specialists and clinicians
- ✚ 12 manuscripts for peer-reviewed journals
- ✚ 14 peer-reviewed articles for an online accredited medical news service
- ✚ 4 continuing medical education programs

### 2015 in Review

- ✚ 16 epidemiology, health economics and outcomes research, publication planning, or product launch projects:
  - Endometrial cancer (2)
  - Non-small cell lung cancer (5)
  - BRAF V600E mutation-positive metastatic melanoma (1)
  - Relapsed/refractory multiple myeloma (1)
  - Nonalcoholic fatty liver disease/nonalcoholic steatohepatitis (2)
  - Overactive bladder (2)
  - Patient handling injuries (3)
- ✚ 12 manuscripts for peer-reviewed journals:
  - Medical therapy for gram-positive acute bacterial skin and skin structure infections
  - Inhaler training, confidence, and adherence in chronic obstructive pulmonary disease
  - Impact of dementia on health care resource utilization and quality of life
  - Diabetes education effect on treatment intensification and persistence
  - Systematic review of diabetes self-management education on glycemic control
  - Management of pediatric hereditary angioedema
  - The role of long-term prophylaxis in hereditary angioedema
  - Unintentional hypothermia in the perioperative setting
  - Risk factors and prevention of patient-handling injuries

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- Role of nurse surveillance in the prevention of adverse events
- Burden of pediatric respiratory syncytial virus
- Medical therapy for *S. aureus* infections
- ✚ 14 interactive educational articles for clinicians on atrial fibrillation, bipolar disorder, breast cancer, gout, HIV, osteoporosis, prostate cancer, stroke, and work-related medical conditions affected health care professionals
- ✚ 6 interactive training programs for clinical sales specialists, clinicians, and medical writers:
  - Basic concepts in biostatistics (eg. measures of central tendency and variation, tabular and graphic data presentation)
  - Intermediate biostatistics (eg. analysis of variance, association and correlation, multivariate analysis of variance,
  - Advanced biostatistics (eg. analysis of covariance, linear and logistic regression, survival analysis)
  - Basics of epidemiology
  - Basics of health economics and outcomes research
- ✚ 4 continuing medical education programs and materials:
  - Inflammatory bowel disease
  - Hormone therapy for management of menopausal symptoms
  - Patient-clinician dialogue about obesity
  - Optimal management of atrial fibrillation
- ✚ Posters, abstracts, or slide sets for professional conferences and congresses:
  - Cardiometabolic effects of medical therapy for NAFLD and NASH for 2015 European Fatty Liver Disease Conference
  - Presentation summaries for the 57<sup>th</sup> American Society of Hematology Annual Meeting
  - Evidence-based protocol for lateral patient transfer to reduce health care worker injury for 2015 Safe Patient Handling and Mobility meeting
  - Slide set and moderator's guide on timely management of menopause

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### Selected 2014 Highlights

- ✚ Epidemiological research, strategic consulting, and publication planning in oncology, NAFLD and NASH, diabetes, and autism
- ✚ Development of sales training programs in acute coronary syndrome, chronic wound care, hypertension, overactive bladder, and smoking cessation
- ✚ 10 manuscripts for peer-reviewed journals
- ✚ 17 peer-reviewed articles for an online accredited medical news service
- ✚ 8 continuing medical education programs on attention deficit/hyperactivity disorder, chronic wound care, diabetes, health care reform, multiple sclerosis, obesity, oncology, and adolescent vaccinations

### 2014 in Review

- ✚ 5 epidemiology, health economics and outcomes research, publication planning, or product launch projects:
  - Cardiovascular effects of nonalcoholic fatty liver disease/nonalcoholic steatohepatitis
  - Dual-acting angiotensin receptor-neprilysin inhibitor
  - Endoscopic intervention for type 2 diabetes
  - First-in-class treatment for autism
  - Non-Hodgkin lymphoma
- ✚ 10 manuscripts for peer-reviewed journals on asthma, bacteremia, diabetes, hypercholesterolemia, lipid-lowering therapies, methicillin-resistant staph aureus infection, respiratory syncytial virus, and diabetes self-management education
- ✚ 5 training programs for pharmaceutical sales specialists and medical science liaisons:
  - Acute coronary syndrome
  - Current and emerging antihypertensive agents
  - Strategies for optimal care of chronic wounds
  - Pharmacologic interventions for diverse populations with overactive bladder
  - Pharmacologic interventions for smoking cessation

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- ✚ 8 continuing medical education programs and materials:
  - Pediatric and adult attention deficit/hyperactivity disorder for primary care providers
  - Case-based module on methods of debridement for chronic wounds
  - Evidence-based management of type 2 diabetes mellitus, including strategies for treatment intensification
  - Clinical implications of health care reform and the Affordable Care Act
  - Current and novel treatments for multiple sclerosis
  - Current and emerging therapies for non-Hodgkin lymphoma
  - Optimal strategies for management of obesity in primary care
  - Strategies to improve adherence to guidelines for adolescent vaccinations
- ✚ 13 interactive educational articles for clinicians on ankylosing spondylitis, atrial fibrillation, *BRCA1* and *BRCA2*, chronic obstructive pulmonary disease (3), multiple myeloma, ST-elevation myocardial infarction, osteoporosis (2), psoriasis and psoriatic arthritis (2), and unstable angina
- ✚ 1 white paper on duodenal mucosal resurfacing
- ✚ 4 consumer health education programs:
  - Attention deficit/hyperactivity disorder
  - Type 2 diabetes
  - Health care reform
  - Mesothelioma