

Marshfield Clinic Resident/Fellow Research and Scholarly Activities

The following list is a sampling of research and scholarly activity projects undertaken by Marshfield Clinic residents/fellows in recent years, including medical journal publications, case studies, quality improvement projects, advocacy projects and pilot studies. Of note, this list does not include the numerous projects/activities currently in the development stage.

Dermatology Residency Program

- Antibiotic Prophylaxis in Dermatologic Surgery
- Improving Smoking Cessation Efforts in Patients with Non-melanoma Skin Cancers
- Perineural Invasion in Cutaneous Squamous Cell Carcinoma
- Photo Quality Improvement Project
- Pneumococcal Vaccination in Dermatology Patients Initiating Biologic Therapy
- Marshfield Clinic Dermatology Same Day Access Clinic: The Who, What, Why, and When
- Assessing Documentation of Cumulative Isotretinoin Dose
- Assessing Compliance of Dermatology Residents and Physicians with New Recommendations Regarding Limiting Antibiotic Use to 3 Months for Acne
- Improving Osteoporosis Screening, Counseling, and Prevention for Dermatology Patients on Chronic Glucocorticoids

General Surgery Residency Program

- Improving Osteoporosis Screening, Counseling, and Prevention for Dermatology Patients on Chronic Glucocorticoids
- Survival in Clinically Node Negative Elderly Breast Cancer Patients
- All-artery multi-graft Coronary Artery Bypass Grafting with Only Internal Thoracic Arteries: 25-year Results from a Randomized trial
- Synchronous Distal Pancreatic Metastatic Lesion Arising from Colonic Adenocarcinoma Tailoring Hyperbaric Oxygen Therapy to Transcutaneous Oximetry in Diabetic Lower Extremity Wounds
- Assessment of a Non-excisional Cohort of Patients with Atypical Ductal Hyperplasia on Core-Needle Breast Biopsy
- Meta-analysis Regarding Trauma in Liver Patient
- Type IV Popliteal Entrapment Associated with an Osteochondroma
- Giant Colonic Diverticulum, Natural Progression and Treatment
- Vascular Access among Octogenarians and is Fistula First Beneficial
- Surgical Site Infections in Breast Surgery: the Use of Pre-operative Antibiotics for Elective, Non-reconstructive Procedures
- Polymorphisms in Fentanyl Metabolism and Postoperative Ileus
- Piloting Use of MicroRNA Expression Patterns to Predict Patients at Risk for Atrial Fibrillation Development Following Coronary Artery Bypass Grafting
- Maximum Local Anesthetics Survey
- Development of Bacterial Resistance utilizing Topically Applied Antibiotics

- The Correlation Between IVC/Collasibility Index and Thermodilution Cardiac Output Monitoring with PiCCO in the Surgical ICU
- Procalcitonin in Acute Diverticulitis
- Foley Catheters and Nurses Training

Internal Medicine Residency Program

- Improving Patient-Physician Continuity in an Internal Medicine Residency Clinic
- Improving Referral for Carpal Tunnel Syndrome
- Improving Resident Communication Skills
- Impact of Hospitalist Coverage on Patient Outcomes in the 5 West Rehabilitation Unit
- Blood Utilization
- Effects of Bariatric Surgery on Pulmonary Artery Pressures in Obese Subjects-Analysis from Single Center Study
- Cost-effectiveness of CT Pulmonary Angiogram in Management of Pulmonary Embolism
- Practices of Intubation and its Complications
- Integrated Approach to Uncontrolled DM by Involving Pharmacy into Patient Care
- Sepsis Protocol
- Electrolyte Replacement Protocol
- Avastin in MCRC
- Improving Access to Diabetic Care in the Community Through a Local Free Healthcare Clinic
- Increasing Patient Satisfaction with Team Pictorials/
- Time-sensitive Interventions in Severe Sepsis and Septic Shock
- RSV Safety and Efficacy of Femoral Nerve Blocks for Lower Limb Fractures in the Emergency Department
- RSV Epidemiology and Predictors of Serious Illness in a Community Cohort of Older Adults
- CAUTI Reduction Project
- Silo-Fillers Disease-Review of Marshfield Clinic Cases
- Diagnosis of Hyponatremia with Concomitant Value of Serum Sodium Less Than 135
- Sepsis Core Measure
- Osteoporosis Treatment Protocol
- Clopidogrel Discontinuation Prior to Coronary Artery Bypass Grafting as Guided by Platelet Function Testing
- Designing Radiology Curriculum for Internal Medicine Residents
- Long-term Effects of Silo-filler's Disease on Pulmonary Function – a Single Health System Experience
- Hemodynamic and Airway Pilot Study
- Resident Clinic Hypertension Treatment Algorithm
- Babesia Project
- Diabetic Insulin Pharmacy-guided Follow-up
- Safety and Efficacy of Femoral Nerve Blocks for Lower Limb Fractures in the Emergency Department
- Teaching residents the use of U/S
- Improving Admission and Discharge Medication Recs for Nursing Home Patients

Med-Peds Residency Program

- Sepsis Protocol Implementation
- Outcome of Early Revascularization Surgery in Patients with ST-elevation Myocardial Infarction
- Residents Raising Concerns Without Fear
- Evaluation of Readmission Rates in Pediatric Patient Treated with Inhaled Racemic Epinephrine for Croup and Discharged Following Different Observation Periods in the Ministry Saint Joseph's Hospital Emergency Department
- Implementing "Reach out and Read" in Pediatric Population in Med-Peds Department
- End Tidal co2 Monitoring in PCA Patients
- Connecting Patients at St. Vincent DePaul Free Clinic with Community Resources Based on Their Needs
- Analysis of Microbiome of Infants Living on Farms and Not on Farms and Evaluating Links with Development of Asthma
- Developing a Healthy Cooking Class Curriculum
- Cost and Necessity of Labs Ordered in Patient Care Settings

Pediatrics Residency Program

- Gastrointestinal Manifestations of Bardet-Biedl Syndrome
- Fasting Blood Sugar Values in Hospitalized Pediatric Patients Receiving Intravenous Dextrose Therapy
- Web Camera Use in the NICU and its Impact on Nursing Workflow
- Renal Transplantation Outcome in Bardet-Biedl Syndrome Patients
- Developing an Asthma Protocol to be Used in Peds Wards
- Multiple Hospitalization for Childhood Asthma
- Aseptic Abscess Syndrome and Chronic Recurrent Multifocal Osteomyelitis
- Institute Hospital Pediatric Asthma Protocol.
- Vitamin D Deficiency in the Outpatient PM&R Population
- Bilateral Adrenal Insufficiency in 2 Week Old Male in Neo Reviews as Case in Index of Suspicion
- Use of Computed Tomography in Pediatric Patients with Minor Head Injury in the Ministry Health Care System
- Community Acquired Pneumonia Protocol
- Immunization Status
- Fetal Echocardiogram: Attitude of OB Care Providers
- Asthma Management- Rate of Prescription of Controller Med
- Barriers in Successful Transition of Care for Patients with Congenital Heart Disease: A Providers Prospective
- Differences in Cardiology Follow-up Care Received by Adult Patients with Congenital Heart Disease (CHD) in Rural Versus Urban Population
- Establishing Dental Homes for Children Under Age 3 or Under and Interventions to Improve Oral Health Screening and Rate of Dental Referrals

Palliative Medicine Fellowship Program

- Dilemmas Concerning Physician Assisted Suicide
- Assurance of Comfort Medications at Hospital to Hospice Transition

Pharmacy Residency Program

- Non-Benzodiazepine Hypnotic Use in the Elderly: Assessment of Adherence to the 2012 and 2015 Beers Criteria and the Impact on Safety of a Collaborative Medication Intervention Program
- Retrospective Review of the Prescribing and Management of Gene-targeted Oral Chemotherapeutics in Non-small Cell Lung Cancer (NSCLC)
- Retrospective Review of Drug Therapy

Post-Doctoral Psychology Fellowship Program

- Barriers to Adherence and Compliance in Pediatric Type 1 Diabetes