# Preventive Medicine - Core

## 2017 Examination Blueprint

<table>
<thead>
<tr>
<th>Core Content Areas</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>I. Health Services Management (Systems-Based Practice)</td>
<td>35%</td>
</tr>
<tr>
<td>II. Epidemiology and Biostatistics</td>
<td>20%</td>
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<tr>
<td>III. Clinical Preventive Medicine</td>
<td>12%</td>
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<tr>
<td>IV. Behavior and Mental Health</td>
<td>18%</td>
</tr>
<tr>
<td>V. Environmental</td>
<td>15%</td>
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</tbody>
</table>

## I. Health Services Management (Systems-Based Practice)

### A. Organization
1. Government
2. Service Delivery

### B. Health Care Delivery
1. Models
2. Medical Management
3. Business Management
4. Utilization Management

### C. Finance and Economics
1. Health Care Economics
2. Services Payment and Financing
3. Financial Management

### D. Organizational Structure and Development
1. Bureaucracy Characteristics
2. Strategic Planning and Policy Development
3. Program Assessment and Evaluation
4. Quality and Patient Safety
5. Organizational Development/Effectiveness

### E. Legal and Ethical Issues
1. Ethics
2. Legislation and Regulatory Compliance

## II. Epidemiology and Biostatistics

### A. Design and Methods
1. Data Sources and Coding
2. Study Design
3. Biases and Control Measures
4. Confounding
5. Decision Analysis

### B. Interpretation
1. Measures of Central Tendency
2. Tests of Significance
3. Probability
4. Hypothesis Testing
5. Type I error
6. Type II error
7. Confidence intervals
8. Power
9. Sample Size
10. Multivariate analysis
11. Correlation
12. Multiple regression
13. Survival Analysis
14. Meta-Analysis
15. Number Needed to Treat
16. Causation and Association
17. Measurement of Effect

### C. Vital Statistics and Demography
1. Rates and Measures
2. Trends

### D. Prevention and Control
1. Disease Surveillance - Active and Passive
2. Screening Tests
3. Outbreak Investigation and Intervention
III. Clinical Preventive Medicine

A. Cardiovascular Diseases
   1. Coronary Artery Disease
   2. Cerebrovascular Disease
   3. Hypertension
   4. Hyperlipidemia

B. Respiratory Diseases
   1. Asthma
   2. COPD
   3. Other

C. Neoplastic Diseases
   1. Bladder Cancer
   2. Breast Cancer
   3. Cervical Cancer
   4. Gastrointestinal Cancers
   5. Hematological Malignancies
   6. Lung Cancer
   7. Oral Cancer
   8. Ovarian Cancer
   9. Prostate Cancer
  10. Skin Cancer
  11. Testicular Cancer
  12. Thyroid Cancer

D. Infectious Diseases
   1. Bacterial
   2. Viral
   3. Parasitic
   4. Fungal
   5. Spirochete
   6. Atypical
   7. Food-borne Illnesses
   8. Sexually Transmitted
   9. Immunizations
  10. Emerging Infections

E. Metabolic Disorders and Nutrition
   1. Diabetes Mellitus
   2. Thyroid Diseases
   3. Obesity
   4. Clinical Nutrition

F. Musculoskeletal Disorders
   1. Osteoporosis
   2. Back Pain & Sciatica
   3. Arthritis

G. Neurological Disorders

H. Oral Health, Vision and Hearing Disorders
   1. Oral Health

2. Visual Disorders
3. Hearing Impairment

I. Maternal & Child Health

J. Genetics

K. Complementary and Alternative Care

IV. Behavior and Mental Health

A. Mental/Behavioral Disorders
   1. Epidemiology
   2. Prevention/Intervention
   3. Risk Factors

B. Substance Abuse
   1. Epidemiology
   2. Risk Factors
   3. Screening
   4. Prevention/Intervention

C. Health Promotion and Health Screening
   1. Health Education Theories and Models
   2. Individual
   3. Population

V. Environmental

A. Agents
   1. Chemical
   2. Physical
   3. Biological

B. Community health
   1. Air quality
   2. Water quality
   3. Climate
   4. Food safety
   5. Sanitation
   6. Hazardous materials management
   7. Radiation
   8. Heat/cold
   9. Noise
  10. Injury

C. Occupational medicine

D. Aerospace medicine

E. Travel

F. Risk Assessment

G. Risk Management

H. Risk Communication

I. Disaster planning and management
   1. Natural
   2. Manmade/Bioterrorism