



Complete Summary

TITLE

Preventive counseling and education - by topic: the percentage of patients with documentation in their medical records of counseling information given within specific topic areas within the last five years.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Preventive counseling and education - by topic. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jun. 69 p. [132 references]

Brief Abstract

DESCRIPTION

This measure assesses the percentage of patients with documentation in their medical records of counseling information given within specific topic areas within the last five years. Recommended topic areas include tobacco cessation, physical activity, nutrition, mental health awareness, and injury prevention.

RATIONALE

The priority aim addressed by this measure is to increase counseling and education about good health and disease and injury prevention.

PRIMARY CLINICAL COMPONENT

Preventive counseling and education; tobacco cessation; physical activity; nutrition; mental health awareness; injury prevention; substance use/abuse; violence and abuse; sexual practices; advanced directives; skin cancer; viral upper respiratory infection; post menopausal hormone prophylaxis; preventive care visits; dental and/or periodontal treatment

DENOMINATOR DESCRIPTION

Patients having any clinic visit during the target month

NUMERATOR DESCRIPTION

The number of records having counseling documentation (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Process

SECONDARY MEASURE DOMAIN

Not applicable

EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Preventive counseling and education - by topic.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Target population age varies by topic.

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

See "Burden of Illness" field.

ASSOCIATION WITH VULNERABLE POPULATIONS

See "Burden of Illness" field.

BURDEN OF ILLNESS

Modifiable health behaviors could account for up to 50% of death in this country.

Nutrition

- Diseases associated with dietary excess and imbalance rank among the leading causes of illness and death in the United States. Major diseases in which diet plays a role include coronary artery disease, cancer of the colon, breast and prostate, and stroke. Obesity is a risk factor for a number of serious disorders, including both hypertension and diabetes mellitus. Lipid disorders are additional conditions in which diet plays a significant role. Nutritional factors have also been linked to osteoporosis, constipation, diverticular disease, and dental disease.

Physical Activity

- Physical inactivity has been associated with a number of debilitating medical conditions in the United States, including coronary artery disease, hypertension, non-insulin-dependent diabetes mellitus, and osteoporosis.

Substance Use/Abuse

- Although the exact prevalence of alcohol and other drug abuse is difficult to measure with certainty, it has been estimated from population surveys that over 11 million Americans meet the diagnostic criteria for abuse or dependence.

- Tobacco use kills more Americans each year than alcohol, cocaine, crack, heroin, homicide, suicide, car accidents, fires and AIDS combined.

Injury Prevention

- Injuries are the fourth leading cause of death in the U.S. and the leading cause of death in persons under the age of 45. Motor vehicle injuries account for about half of these deaths. Motor vehicle injuries occur more commonly in males and in persons aged 15-24. Motor vehicle injuries are the leading cause of death in persons aged 15-24.
- Bicycle injuries account for nearly 550,000 emergency room visits and about 1000 deaths each year, mostly in children and adolescents. Between 50% and 75% of bicycle fatalities and hospitalizations are the results of head trauma; central nervous system injury is the primary cause of death in 90% of childhood fatalities from bicycle or pedestrian collisions with a motor vehicle.
- Fires and burns are the third leading cause of unintentional injury-related death. Most injuries and 75-90% of deaths from fires occur in residential fires. Fire department statistics indicate that death in a residential fire is two to three times more likely in homes without smoke detectors than in those with such devices. Cigarette smoking causes about 25% of residential fires, usually through unintentional ignition of bedding or upholstery.
- Hot tap water burns account for 2600 hospitalizations each year.
- The patients at greatest risk for drowning are small children (aged 1-3) and young males (aged 15-24). Drowning is the second leading cause of death in adolescents.
- Falls are the leading cause of non-fatal injuries in the U.S. Over 70% of deaths due to falls occur in persons aged 65 and over, making falls the leading cause of unintentional injury death in this age group. The death rate due to falls in the general population is 5.1 per 100,000 persons. In the elderly, in whom complications such as hip fracture can be severe, the death rate per 100,000 increases with age, from 10.2 for those aged 65-74, to 147.0 for persons aged 85 and over. In addition to falls in the elderly, falls also occur in younger persons, especially children under age 5.
- In 1990, 261 children under the age of 5 in the U.S. died due to choking.
- Firearm injuries result in about 1800 unintentional deaths each year (5% of all firearm fatalities) and five times as many non-fatal injuries.

Violence and Abuse

Child Maltreatment:

- 2.7 million children in 1.3 million families reported in 1991: 43% substantiated, 24% physical abuse, 15.5% sexual abuse, 47% neglect. Many episodes go unreported.
- 5,000 children die due to maltreatment each year.
- Minnesota Department of Education survey 1988-89: 14% girls, 10% boys report physical abuse; 5% girls, 1% boys report sexual abuse by family member; 11% girls, 2% boys report sexual abuse by non-family member; 16% girls report forced sexual contact by date or friend.
- Estimated annual cost of caring for children seriously hurt approaches \$500 million. No price tag for the potential lifelong emotional/psychological trauma.

Partner abuse:

- 95% of victims of domestic violence are women.
- 1/4 of all women will be physically assaulted by partner/ex-partner during lifetime.
- 2-4 million women abused each year.
- Up to 35% of women seeking care in emergency room (ER) are there for reasons related to battering.
- Victimization leads to increased utilization of health care systems.
- 52% of female murder victims were killed by current partner or ex-husband.
- 10% of women who have ever been married report being raped by their husbands.
- Battering causes or is associated with many medical problems including injuries, chronic pain, depression, anxiety, pregnancy complications, drug dependency, suicidality, and child maltreatment. At the work place it can lead to absenteeism, loss of productivity, and loss of creativity.

Elder abuse:

- 1.5-2 million adults older than 60 abused annually.
- Only 1 in 14 cases reported to a public agency.

Firearm injury/weapons/homicide/suicide:

- Firearms cause 33,000 deaths annually (second leading cause of fatal injuries).
- Of the 21,000 homicides annually, 60% involve firearms.
- 1 in 21 black males dies from homicide.
- Firearms are associated with 55% of all suicides.
- Homicide is the leading cause of death of black males age 15-24.
- National survey on weapon-carrying among high school students (1990): 31.5% of males, 8.1% of females report carrying a weapon at least once during previous 30 days. 55% carry knife/razor, 24% clubs, 20% firearms.

Sexual Practices

- The exact prevalence of unwanted pregnancies in the U.S. is uncertain due to difficulties in data collection, but it is thought to represent a significant proportion of pregnancies, especially among adolescent and young adult parents.
- Each year in the U.S. there are 3-4 million cases of chlamydial infection, 2 million cases of gonorrhea, and over 35,000 cases of primary and secondary syphilis. Primary episodes of genital herpes occur each year in approximately 270,000 Americans, and nearly 20 million persons are already infected and suffering recurrent episodes. These diseases are associated with significant morbidity. An estimated 500,000 to 1 million persons in the U.S. have been infected with Hepatitis B virus, and an estimated 1-1.5 million persons are infected with the HIV virus.

Mental Health Awareness

- Major depressive episodes are common in adults, affecting persons of all ages, genders and ethnicities. Between 5% and 10% of patients in primary care practices and 10% to 14% of medical inpatients meet the criteria for major depression. Depression remains underrecognized and undertreated by primary care providers. Research has shown that up to 50% of depressed persons seen in primary care settings are not recognized as having this disorder. Patients with major depressive disorders have a great deal of functional impairment, resulting in lost time on the job, decreased job performance, and decreased family and social functioning.
- The financial impact of stress on corporate America is staggering: \$68 billion annually in lost productivity due to absences from stress, stress claims costing up to 10% of a company's earnings, and health care professionals reporting that up to 90% of patients complain of stress-related symptoms and disorders.

Advance Directives

- Issue pertinent to 100% of all audiences.
- Increased psychological trauma to patient/family/providers if not addressed prospectively.
- Misallocation of resources if therapies misapplied. ("The 6% of Medicare enrollees who die in any given year account for nearly 30% of overall expenditures.")

Skin Cancer

- Skin cancer is the most common type of cancer in the U.S. Over 500,000 new cases of skin cancer are diagnosed each year. Cure rates are in the 90 percentile range for those with early diagnosis, but only 60% for those with late diagnosis.

Dental and Periodontal Disease

- A large proportion of the population of the United States suffers from tooth decay and gum and bone disease. The average schoolchild has at least one cavity in permanent teeth by age 9, 3 cavities by age 12, and 8 cavities by age 17. About one quarter have 5 or more decayed, missing, or filled permanent teeth. About half of all adults have gingivitis, and 80% have experienced some degree of periodontitis.

EVIDENCE FOR BURDEN OF ILLNESS

Institute for Clinical Systems Improvement (ICSI). Preventive counseling and education - by topic. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jun. 69 p. [132 references]

UTILIZATION

See "Burden of Illness" field.

COSTS

See "Burden of Illness" field.

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Staying Healthy

IOM DOMAIN

Effectiveness

Patient-centeredness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patients having any clinic visit during the target month

A minimum random sample of 25 medical records for patients having any clinic visit during the target month will be reviewed. This review may be combined with the data collection activity for other measures related to preventive services. Documentation of any type related to counseling on five or more topics will be counted as a "yes."

Data will be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Encounter

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients having any clinical visit during the target month

Exclusions

Unspecified

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

The number of records having counseling documentation*

*Documentation is defined as the presence of documentation of any type in the record signifying that counseling on one or more counseling topics was provided during any visit within the last 5 years. Recommended topic areas include tobacco cessation, physical activity, nutrition, mental health awareness, and injury prevention. Other topic choices include substance use/abuse, violence and abuse, sexual practices, advance directives, skin cancer, viral upper respiratory infection, post menopausal hormone prophylaxis, preventive care visits, and dental and/or periodontal treatment.

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

The percentage of patients with documentation in their medical records of counseling information given within specific topic areas within the last five years.

MEASURE COLLECTION

[Preventive Counseling and Education - by Topic Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Jul

REVISION DATE

2004 Jun

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Preventive counseling and education. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Jul. 69 p.

SOURCE(S)

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MEASURE AVAILABILITY

The individual measure, "The percentage of patients with documentation in their medical records of counseling information given within specific topic areas within the last five years," is published in "Health Care Guideline: Preventive Counseling and Education - by Topic." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org

NQMC STATUS

This NQMC summary was completed by ECRI on March 29, 2004. This summary was updated by ECRI on August 5, 2004.

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