### Advancing an Evidence-Based Population-Level Physical Activity Program for the Exercise is Medicine® Initiative

Matthew P. Buman, PhD¹, David E. Goodrich, PhD², Caroline R. Richardson, MD, PhD², 3, Barbara E. Ainsworth¹, PhD, Abby C. King, PhD⁴

<sup>1</sup>School of Nutrition and Health Promotion, Arizona State University; <sup>2</sup>VA Center for Clinical Management Research; <sup>3</sup>Department of Family Medicine, University of Michigan; <sup>4</sup>Stanford University School of Medicine



66 What if there was one prescription that could prevent and treat dozens of diseases, such as diabetes, hypertension and obesity?



-Robert E. Sallis, M.D., M.P.H., FACSM, Exercise is Medicine® Task Force Chairman



- Multi-organizational global initiative launched in November 2007, coordinated by the American College of Sports Medicine (ACSM).
- Developed to encourage health care providers to include exercise when designing treatment plans for patients. Calls on all health care providers to prescribe exercise to their patients.
- Committed to the belief that exercise and physical activity are integral in the prevention and treatment of diseases, and should be assessed as part of medical care and integrated into every primary care office visit.

### **Vision**

To make physical activity and exercise a standard part of a disease prevention and treatment medical paradigm in the United States.

### **Guiding Principles**

- Exercise and physical activity are important to health and the prevention and treatment of many chronic diseases.
- More should be done to address physical activity and exercise in health care settings.
- Multi-organizational efforts to bring a greater focus on physical activity and exercise in health care settings are to be encouraged.

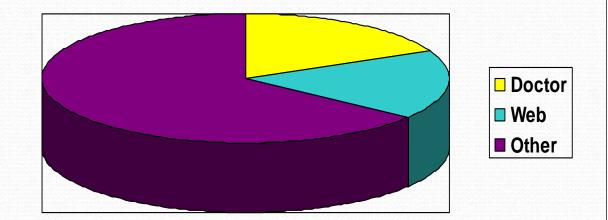
### **Program Goals**

Exercise Is Medicine® will be a sustainable national initiative that:

- 1. Creates broad awareness that exercise is indeed medicine.
- Makes "level of physical activity" a standard vital sign question in each patient visit.
- 3. Helps physicians and other health care providers to become consistently effective in counseling and referring patients as to their physical activity needs.
- 4. Leads to policy changes in public and private sectors that support physical activity counsel-ing and referrals in clinical settings.
- 5. Produces an expectation among the public and patients that their health care providers should and will ask about and prescribe exercise.
- 6. Appropriately encourages physicians and other health care providers to be physically active themselves.

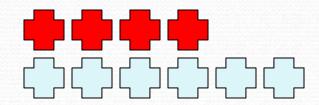
### **Current Practices and Attitudes**

- Patients look to their doctor first for advice on exercise and physical activity (25%).
- Patients turn next to fitness and health web sites (24%).



65%

- Nearly two-thirds of patients (65%) would be more interested in exercising to stay healthy if advised by their doctor and given additional resources.
- Four out of 10 physicians (41%) talk to their patients about the importance of exercise, but don't always offer suggestions on the best ways to be physically active.



Survey conducted by ACSM

### Health Care Provider's Toolkit

The Health Care Provider's Toolkit provides physicians and other health care providers with a simple, fast, and effective tool for using physical activity, in the right "dosage", as a highly effective prescription for the prevention, treatment, and management of more than 40 of the most common chronic health conditions encountered in primary practice.

#### **Toolkit Highlights**

- Exercise Prescription and Referral Process document
- Exercise Readiness and Prescription Pad
- Starting an Exercise Program patient handout
- Your Prescription for Health series
- Physician office flier



Print out and display copies of the Physician Office Flyer in your waiting room and

WWW.EXERCISE/SMEDICINE.ORG

any other locations you deem appropriate.

### **Steps for Health Care Providers**

- Determine patient's current level of activity and willingness to exercise.
- 2. Determine if patient is fit to exercise independently and what type of fitness professional would be best for referral.
- Depending on patient's stage of change, take appropriate action by referring patient to educational material, writing exercise prescription, and/or referring patient to fitness professional.
- 4. Refer patient to <a href="https://www.ExerciselsMedicine.org">www.ExerciselsMedicine.org</a> for videos, fliers and resources.

atient's name: DOB:	Nedicine™/
nysician's Signature	
CURRENTLY EXERCISING: Yes  No	I
Type/s of Activity	
How Hard	
(Light, moderate, intense)	
How Long(Minutes/session)	
How Often(Times/week)	
PATIENT'S STAGE OF CHANGE	
<b>Precontemplation</b> (Patient not ready to exercise)	
<b>Contemplation</b> (Patient interested in/beginning to exercise)	
Preparation	
(Patient's exercise inconsistent/less than optimal)  Action and Maintenance	
(Patient exercising recommended amount)	
PHYSICIAN'S RECOMMENDATIONS	
Aerobic Exercise	
Strength Exercise	
Flexibility Exercise	
Sports Exercise	
Referral to Exercise/Sports Professional	

### Referral

- Time and expertise are factors in the prescription and referral process.
- Studies show a patient will continue an exercise program longer if working with a fitness professional
- Fitness professional can provide feedback to the health care provider.

### & REFERRAL FORM Exercise PRESCRIPTION Exercise N

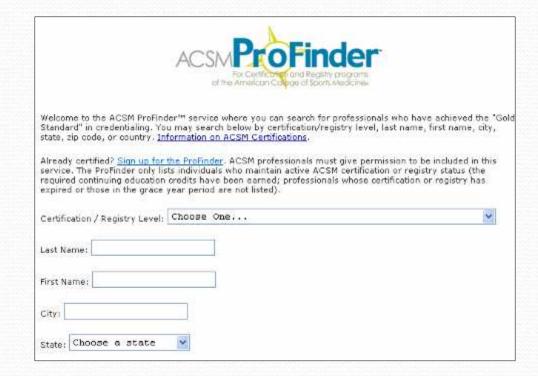


PATIENT'S NAME:			DOB:DATE:
PHYSICAL ACTIVITY RE	COMMENDATIONS		REFERRAL TO HEALTH & FITNESS PROFESSIONAL
Type of physical activity:	Aerobic	Strength	Name:
Number of days per week:			Address:
Minutes per day:			Web Site:
Total minutes per week*:			Follow-up Appointment Date:
	& REFE	PRESCRIP RRAL FOR	M is Medicine™  Now, Exercise Is Medicine. 0.19
PATIENT'S NAM	& REFE	RRAL FOR	TION Exercise is Medicine of 5  DOB: DATE: SIGNATURE:
PATIENT'S NAM	& REFE ME: PROVIDER'S NAME	RRAL FOR	TION Exercise is Medicine of 5  DOB: DATE: SIGNATURE:
PATIENT'S NAM HEALTH CARE PHYSICAL ACTIVITY RE- Type of physical	& REFE ME: PROVIDER'S NAME	RRAL FOR	TION Exercise Medicine of 19  DOB: DATE: SIGNATURE: REFERRAL TO HEALTH & FITNESS PROFESSIONAL Name:
PATIENT'S NAME HEALTH CARE PHYSICAL ACTIVITY RECORD TO THE PHYSICAL ACTIVITY RECORD TO THE PHYSICAL ACTIVITY:  Number of days	& REFE ME: PROVIDER'S NAME COMMENDATIONS	RRAL FOR	TION Exercise is Medicine.  DOB: DATE: SIGNATURE: REFERRAL TO HEALTH & FITNESS PROFESSIONAL
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PATIENT'S NAM	& REFE ME: PROVIDER'S NAME COMMENDATIONS	RRAL FOR	TION Exercise is Medicine.  DOB: DATE: SIGNATURE:  REFERRAL TO HEALTH & FITNESS PROFESSIONAL  Name: Phone:

### Referrals to Fitness Professionals

How should I work with fitness professionals?

- ACSM ProFinder; online at www.acsm.org
- NCCA-accredited associations; www.noca.org



# World Congress on Exercise is Medicine



#### **EIM Sessions**

Are High-Intensity Exercise Studies Relevant for Generating Public Health Guidelines?

Bridging the Gap: Linking Physicians and Exercise Professionals with Technology

Changing a Sedentary Lifestyle in Patients with Neurological Disorders

Clinical Lifestyle Intervention Programs for Patients with Chronic Disease

Current Research in Exercise and Metabolic Implications after Spinal Cord Injury

EIM Credential: Referral for Exercise, Who is Qualified?

EIM On Campus: So Easy, Even a Student Can Lead the Effort!

**EIM: Ethical Considerations** 

Exercise as a Cognitive Enhancer: How to Walk the Walk

Exercise Deficit Disorder in Youth: Play now or Pay Later

Exercise is Medicine for Underserved Populations: Challenges and Opportunities

Exercise is Medicine: Stories from Practicebased Evidence

Exercise Physiology in 50 Minutes

Exercise Prescription for Depression: Empirical Evidence and Clinical Perspectives

Generating Lasting Motivation for Physical Activity: What You Need to Know

Implementing Exercise Is Medicine into the Care of Pregnant Women

Physical Activity Prescriptions— An International Perspective

Implementing the 5As of Physical Activity Counseling into Clinical Practice

Is EIM Good Business?

Meditative Movement as a Category of Exercise: Standards for Research and Practice

Modernizing Medical Education: A Call to Teach Exercise as Medicine

Motivational Interviewing to Promote Physical Activity

Novel Experimental Evidence for the Inactivity Physiology Paradigm

Physical Activity, Physical Fitness and Academic Performance

Protein Needs for Exercise and Medicine. 10 questions/10 experts: PINES Special Event

Role of Exercise Training in Severely Diseased Patients

Taiji and Qigong: Multi-Dimensional Exercise for Successful Aging

The Role of Allied Health Professions in Promoting Exercise is Medicine

### Models to learn from

- VA MOVE! Program
- Insurance-sponsored programs
  - Blue Care Network's Healthy Blue Living
- Integrated Managed Care settings
  - Kaiser Permanente and EIM

# Initial charge for ACSM-SBM

- To identify evidence-based interventions that are scalable at the population level and have the potential to cut across a wide range of healthcare delivery settings.
- To identify and/or develop the most effective types of referral systems to enact the link between the primary care office referral and program delivery source.

# Short-term goals to gain momentum

- Identify evidence-based interventions via 2 different delivery channels
  - Web-based interventions
  - Telephone-base interventions
- Identify to ACSM scalability of programs
- Link programs to EIM website

## Search

- PubMed: Physical activity, Weight management,
   Diabetes, Lifestyle behavior, Hypertension
- Industry, Tech companies, HMO's
- RePORTER
   (http://projectreporter.nih.gov/reporter.cfm)

## Evidence based criteria

- Target audience
- Delivery channel
- Primary and secondary outcomes
- # of RCT's showing efficacy
- Program length
- Follow-up period
- Training requirements
- Cost of intervention

## Longer-term directions

- Referral system
  - Short videos of successful referrals for providers
  - Get all clinical staff involved
  - Integration into EMR
- Expand evidence-based intervention repository
  - Community-based interventions
  - Expert-based decision model implemented in primary care settings

## Thanks to the SBM-ACSM ad hoc Behavioral Interventions Committee

## Outline

- What is Exercise is Medicine?
  - What is it?
  - Latest research
  - Implementation at KP
- SBM involvement
  - Goal
  - Current directions and short-term goals
  - Review and identification of evidence-based programs
  - Future directions