ART MAKES THE DIFFERENCE: Art intervention—arts-based therapies as well as the presence of art in public spaces and permanent galleries inside hospitals—results in:

- Shorter hospital stays
- Decreased use of narcotic pain medication
- Lowered cortisol
- Better vital signs

MORE INFORMATION, CITATIONS + RESOURCES + PHILACULTURE.ORG/WELLNESS

2. Kreitzer M., Snyder M. Healing the Heart: Integrating Complementary Therapies and Healing Practices into the Care of Cardiovascular Patients.

Published by The Greater Philadelphia Cultural Alliance, Maud Lyon, President
Lead Author: Anne Marie Rhoades, Vice President of Advocacy & Strategic Partnerships
Project Director: Michael Norris, Chief Strategy Officer
Design: SWELL
At the Lewis Katz School of Medicine at Temple University, the Narrative Medicine program seeks to "focus on the human side of medicine." It brings together students and Lantern artists to present what is often presented as "clinical silence." This practice improves future doctors' diagnostic abilities and helps them better understand patients. It also enhances patient care and helps patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes. Patients treated by arts-educated doctors and receiving arts-integrated care have measurably better outcomes.

This practice, which can impact future physicians as well as their first year of medical school, has been shown to advance patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

Summary

Medicine is a science. Making medicine better is an art.

Evaluating doctors through the art of painting, particularly watercolor, has become a regular part of the medical curriculum to assess doctor's diagnostic abilities and help practicing doctors improve. This practice, which can impact future physicians as well as their first year of medical school, has been proven to enhance patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

A quick and correct diagnosis-areas three, four, five-are crucial to education and patient outcomes to an extent that is measured. A lack of art observation skills among medical students is a root of healthcare: improving patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

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As a result, Jefferson University and Lantern Theater Company partner to use theater to foster empathy in medical students and health professionals. Jefferson students and Lantern students present, on direct observation, their roles in the arts-infused medicine at Jefferson University and Lantern. Impersonal diagnosis and treatment syndrome or disease, in order to make the correct diagnosis, leads to better outcomes. A quick and correct diagnosis-areas three, four, five-are crucial to education and patient outcomes to an extent that is measured. A lack of art observation skills among medical students is a root of healthcare: improving patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

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Arts and culture give doctors “emotional resilience, humility, compassion, and the capacity to share and process personal and professional experiences.” The humanities represent “a way to teach creativity, which is at the intersection of groundbreaking advancement in medical practice and better patient care.” Students and faculty participate in Narrative Medicine activities such as Story Slams, reflection sessions, and literature reading. This practice, which can impact future physicians as well as their first year of medical school, has been proven to enhance patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

SUMMARY

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Evaluating doctors through the art of painting, particularly watercolor, has become a regular part of the medical curriculum to assess doctor's diagnostic abilities and help practicing doctors improve. This practice, which can impact future physicians as well as their first year of medical school, has been shown to advance patient care. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes. Patients treated by arts-educated doctors and receiving arts-integrated care have measurable better outcomes.

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At the Lewis Katz School of Medicine at Temple University, the Narrative Medicine program seeks to “focus on the patient’s perspective” with workshops and performances that enhance patient care. Students presented at the Philadelphia Academy of the Fine Arts for hands-on and “eyes-on” exercises that increase diagnostic and observation abilities.

**IMPACT: ADVANCING PATIENT CARE**

A study by Jefferson University’s Salvatore Mangione and colleagues points to the positive impact of art and culture on medical students. Exposure to music, theater, fine art and other cultural activities can increase empathy and compassion in medical students, according to a study published in the Journal of Medical Humanities.

As a result, Jefferson University and Lantern Theater Company partner to use theater to foster empathy in medical students and health professionals. This three-week workshop draws on performance techniques and writing exercises that help these professionals develop better empathetic skills and interactions with patients as a way to share and process personal and professional experiences.

**IMPACT: FIGHTING BURNOUT**

Just as an improved empathy, confidence and wisdom among physicians and medical students, it also helps reduce the symptoms of burnout that are prevalent in the healthcare industry. Medical students entering their residencies experience an average increase in depression symptoms of more than 15% and the rate of suicide among physicians is higher than any other occupation.

The humanities are not only a way to teach empathy and tolerance, but also represent the wisdom of the centuries before us.”

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IMPACT: IMPROVING DIAGNOSIS

Researchers from the University of Pennsylvania and Children’s Hospital of Philadelphia find that students who watched a single episode of ‘The Royals’ significantly improved their clinical observation skills. The 30-minute television show, with a double dose of drama — from a drama series — to today’s artificial medical curriculum, that raises the importance of medicine, medical education and patient outcomes to all audiences.

A quick and correct diagnosis across three, ago-enabled exercises and refined, observable skills. Hands-on and “eyes-on” exercises are part of the curriculum presented at the Philadelphia Academy of the Fine Arts for medical students and practitioners alike. The fine arts are the root of healthcare: improving patient care.


IMPACT: ADVANCING PATIENT CARE

A study by Jefferson University’s School of Medicine examined the positive impact of art and culture on medical students. Exposure to music, theater, visual arts and other cultural activities is associated with significant improvements in empathy, observational skills, emotional intelligence and visual-spatial abilities, as well as increases in multimedia experience and patient care.

Gurwin, J., et al., “A Randomized Controlled Study of Art Observation Training to Improve Medical Students’ Observation Abilities. hands-on and “eyes-on” exercises that they then use in clinical care.”

IMPACT: FIGHTING BURNOUT

Just as art improves empathy, confidence and wisdom among physicians and medical students, it also helps reduce the symptoms of burnout that are prevalent among medical professionals. Medical students entering their residency experience an average increase in depression symptoms of more than 15% and the rate of suicide among physicians is higher than any other occupation.

At the Lewis Katz School of Medicine at Temple University, the Narrative Medicine program seeks to “focus on the human side of medicine” by integrating storytelling and reflection into the curriculum. Students and faculty participate in Narrative Medicine Story Slams, expanding their learning experience and interactions with peers as a way to share and process personal and professional experiences.

WELLNESS

“A study of just 10 random smaller studies has shown that patients who experienced a ‘cultural activity’ were more satisfied with their doctors’ diagnostic abilities and helping patients understand more about their illness.”

SUMMARY

Medicine is a science. Making medicine better is an art. Educating doctors through the arts is an emerging practice that gets to the core of improving the diagnosis, diagnostic abilities and helping patients understand their condition. As an emerging practice, the impact that arts and culture have in healthcare costs.

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IMPACT: IMPROVING DIAGNOSIS

Researchers from the University of Pennsylvania and Children's Hospital of Philadelphia find that students who take a six-part course in fine-art observation, taught by several galleries and museums, significantly improved their clinical observation skills.

A quick and connect diagnosis across three, agreed upon, and reduce diagnostic theses count.

IMPACT: ADVANCING PATIENT CARE

A study at Jefferson University's School of Medicine finds that art training improves patient care. It enhances patient care. Patients treated by arts- educated doctors and nurses report improved care. Treatment can have measurable and positive impact.

IMPACT: FIGHTING BURNOUT

Just as art improves empathy, confidence and wisdom among physicians and medical students, it also helps reduce the syndrome of burnout that plagues many medical professionals. Medical students entering their residencies experience an average score of depression symptoms of more than 15%, and the rate of suicide among physicians is higher than any other occupation.

GREAT ORGANIZATIONS ARE COLLABORATIVELY NURTURING ARTS AND HEALING

Greater Philadelphia excels both in the quality of its arts and culture and in the health of its citizens. The region integrates arts and culture in its hospitals, medical schools, and medical education in order to enhance patient care. Physicians at medical schools have long recognized the importance of the humanities in patient care. The Commonwealth and across the country.

SUMMARY

The humanities are at the intersection of groundbreaking advances in medicine and the region's world-renowned arts and culture sector. The Philadelphia Museum of Art and Cooper Medical School at Rowan University have collaborated to develop an arts-based, observational training program for medical students and practicing physicians. This practice, which can impact future physicians as well as their first patients, has been proven to enhance patient care. Patients treated by arts-educated doctors and nurses report improved care. Treatment can have measurable and positive impact.

Making medicine better is an art.

Medicine is a science.

Medicine is a science. Making medicine better is an art.
**ART MAKES THE DIFFERENCE:**

Art intervention – arts-based therapies as well as the presence of art in public spaces and permanent galleries inside hospitals – results in:

- **SHORTER HOSPITAL STAYS**
  - 37% of hospitals report performing in public spaces
  - 23% report permanent galleries inside hospitals
  - 21% report bedside arts activities
  - 18% report healing gardens

- **DECREASED USE OF NARCOTIC PAIN MEDICATION**
  - 32% of patients report lowered cortisol levels
  - 18% report improved sleep

- **MORE INFORMATION, CITATIONS + RESOURCES**

**THE IMPACT OF ARTS AND CULTURE: AGENDA**

- **WELLNESS**
  - Shorter hospital stays
  - Decreased use of narcotic pain medication
  - Improved patient outcomes

**ARTS, HEALTH & HOSPITALS: MOST COMMON WAYS HOSPITALS SUCCESSFULLY INTEGRATE ART INTO PATIENT CARE**

- Permanent galleries of visual art
- Performances in public spaces
- bedside arts activities
- Healing gardens
- Rotating exhibits

**MORE INFORMATION, CITATIONS + RESOURCES**

2. Kreitzer, M., Snyder, M., *Healing the Heart: Integrating Complementary Therapies and Healing Practices into the Care of Cardiovascular Patients.*

**RESOURCES**

- PHILACULTURE.ORG/WELLNESS
- PHILACULTURE.ORG/RESEARCH
- PHILACULTURE.ORG/PROJECTS
- PHILACULTURE.ORG/COMMUNITY

**PROJECT PARTNERS**

- Independence Foundation
- John A. Research Foundation
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- Springfield
- LANCASTER COMMUNITY FOUNDATION
- PFAA
- Pennsylvania Academy of the Fine Arts
- Philadelphia Museum of Art
- The Greater Philadelphia Cultural Alliance

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- Jefferson

**LEAD SPONSOR**

- Independence Foundation

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- Photograph by Ed Cunicelli, courtesy of Paoli Hospital Foundation.
- Photograph by Steve Belkowitz; The Gross Clinic courtesy of the Pennsylvania Academy of the Fine Arts, Philadelphia. Gift of the Alumni Association to Jefferson Medical College in 1878 and purchased by the Pennsylvania Academy of the Fine Arts and the Philadelphia Museum of Art in 2007 with the generous support of more than 3,400 donors.
ART MAKES THE DIFFERENCE:

Art intervention—arts-based therapies as well as the presence of art in public spaces and permanent galleries inside hospitals—results in:

- **Shorter Hospital Stays**
  - 37%
  - 23%
  - 21%
  - 18%
  - 16.1%

- **Decreased Use of Narcotic Pain Medication**
  - 33%
  - 27%
  - 23%
  - 21%
  - 18%

- **Lowered Cortisol**
  - 18%
  - 16%
  - 14%

- **Better Vital Signs**
  - 100%

ARTS, HEALTH & HOSPITALS: MOST COMMON WAYS HOSPITALS SUCCESSFULLY INTEGRATE ART INTO PATIENT CARE

The Greater Philadelphia Cultural Alliance thanks its project partners and advisory committee members, including:

- Patrick Auth, PhD, Drexel University
- Adrian S. Banning, MMS, Drexel University
- Peter Danzig, Theatrical Trainer
- Horace M. DeLisser, MD, Perelman School of Medicine, University of Pennsylvania
- Carmen Febo-San Miguel, MD, Teatro Puertorriqueño
- Sherry W. Goodill, PhD, College of Nursing and Health Professions, Drexel University
- Denise LaMarra, MS, Perelman School of Medicine, University of Pennsylvania
- Aaron Levy, Slought Foundation/University of Pennsylvania
- Salvatore Mangione, MD, Sidney Kimmel Medical College, Thomas Jefferson University
- Eri Millrod, Drexel University
- Donna Radl, PhD, Paoli Hospital, Main Line Health
- Jill Sonke, University of Florida Center for Arts in Medicine
- Amy P. Troyano, MA, Children’s Hospital of Philadelphia
- Michael Vitez, Lewis Katz School of Medicine at Temple University

The Cultural Alliance also thanks Megan Voeller, Sidney Kimmel Medical College, Thomas Jefferson University, who supplied valuable resources, input and guidance.
**ART MAKES THE DIFFERENCE:**

Art intervention—arts-based therapies as well as the presence of art in public spaces and permanent galleries inside hospitals—results in:

- **better vital signs**
- **lowered cortisol**

**SHORTER HOSPITAL STAYS**

- **23%** —Decreased use of narcotic pain medication
- **21%** —Decreased hospital stay
- **18%** —Decreased use of other medications
- **16%** —Reduced need for sleep medications

**Permanent displays of art**

**Performances in public spaces**

**Bedside arts activities**

**Healing gardens**

**Rotating exhibits**

**PERCENTAGE OF HOSPITALS**


**THE IMPACT OF ARTS AND CULTURE**

**AGENDA:**

**WELLNESS**

**Project Partners**

- **LEAD SPONSOR**
  - Independence Foundation
  - Independence Blue Cross

- **SPONSOR**
  - Jefferson
  - Paoli Hospital Foundation

- **COMMUNITY PARTNERS**
  - Brian and Sherry Effron
  - Civic Foundation

**Design:**

SWELL

**MORE INFORMATION, CITATIONS + RESOURCES**

1. Staricoff, RL. *Arts in Health: the Value of Evaluation.*
2. Kreitzer M., Snyder M. *Healing the Heart: Integrating Complementary Therapies and Healing Practices into the Care of Cardiovascular Patients.*

**COMMUNITY PARTNERS**

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  - Historic Germantown

**PHILACULTURE.ORG/WELLNESS**

**Photo Credit:**

Photograph by Ed Cunicelli, courtesy of Paoli Hospital Foundation.

**Front Panel:**

Photograph by Steve Belkowitz; The Gross Clinic courtesy of the Pennsylvania Academy of the Fine Arts, Philadelphia. Gift of the Alumni Association to Jefferson Medical College in 1878 and purchased by the Pennsylvania Academy of the Fine Arts and the Philadelphia Museum of Art in 2007 with the generous support of more than 3,400 donors.

**Research**

The Greater Philadelphia Cultural Alliance’s mission is to be the leading advocate, proponent, and champion of the arts in the Greater Philadelphia region.

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