

PRECEPTOR DEVELOPMENT with INFOGRAPHICS: A “GIFT OF TIME”

Melissa Stiles, MD; Jeffrey A. Morzinski, PhD, MSW; Kjersti Elise Knox, MD; Magnolia Larson, DO; Douglas J. Bower, MD; Anne Getzin, MD; David M. Deci, MD; Deborah Simpson, PhD; David H. Klehm, MD; Maureen Longeway, MD; John R. Brill, MD

Background

- Traditionally, faculty development material is static and text based
- Infographics are synoptic communication tools that use visual images such as a chart, diagram or picture to represent information or data. Studies show that:
 - People remember 10% of what they hear, 20% of what they read and 80% of what they see and do
 - By pairing concepts with visuals, one is more likely to store this information into their long-term memory and to transmit the message more quickly
- Community faculty have limited time to do faculty development

Objectives

- Form a statewide partnership among family medicine departments to development faculty development materials
- Create and disseminate time efficient Faculty Development materials using infographic format

Process

1. **Eleven WISE-FM Faculty*** from 3 institutions collaborated and prioritized a list of faculty/preceptor development topics including:
 - Priming for Efficient Patient Encounters,
 - Feedback using the ARCH mnemonic,
 - EBM in Teaching Encounters
2. **Half-Day F2F Working Meetings** with 3-4 Faculty assigned to each infographic topic:
 - Brainstormed the critical inclusions and infographic layout
 - Previewed infographic layout with group providing feedback
 - Revised and finalized assigned infographic using PowerPoint or software app (Pikochart)



Priming for Efficient Patient Encounters

Just like priming a pump, taking 1 minute to “PRIME” your learners prior to each patient encounter will improve efficiency and effectiveness of your teaching and patient encounters!

PRIMING INVOLVES 3 P’S:
PREPARE with your learner at start of session; PRIME before each patient interaction; PLAN next steps.

1 PREPARE 3-5 min
 Patient with your learner from “Well” of Patient Encounters
 Scan Clinic Schedule: Look for urgent/must be addressed patient issues; schedule length; learner friendly patients
 Check Learner Needs/Steps: Rotation/training requirements; learner’s gaps – today’s focus (e.g., chronic disease; prevention; communication)
 Rescan Schedule: Match patients with learner needs and clinic flow

2 PRIME 1 min
 Prime for EACH patient by telling the learner in <1 minute:
 Who is the Patient: 8-10 y/o patient; Type 2 DM; Here for 3 month follow up; DM is uncontrolled
 What to Do & Time: Assess barriers to control DM; Consider educational interviewing; 10 minutes
 Why Do It: Chronic Disease management requires patient commitment & engagement
 What You Expect: 2 minute summary of top 2 actionable barriers patient agrees to work on

3 PLAN 3 min
 Plan what you and/or learner will do when go back in to see patient following the learner’s 2-minute summary:
 Patient Management: Agree on patient plan and timing for patient follow-up visit.
 Clarify Roles when Re-visit Patient’s Status
 1. PRECEPTOR WILL: Greet Patient; tell patient learner will review HPI, summarize barriers, and key focus areas
 2. LEARNER WILL: Review B & P & barriers and recommend 1 actionable step (e.g., DIC canned fruit; switch to 1 fresh fruit/day); Rec patient schedule follow-up visit 3 mos

WISE-FM Preceptor Comments

- Concise and visually appealing graphics
- Pertinent and timely topics The WISE FM infographics are simple and effective tools
- Given the limited time we often have balancing patient needs and learner needs, they give guidance to effective teaching

Results

- 8 Infographics have been developed

| Question | Strongly Disagree | Disagree | Agree/Disagree | Agree | Strongly Agree | Mean (n) |
|---|-------------------|----------|----------------|-------|----------------|----------|
| 1. The WISE-FM Infographic (s) is a TIME EFFICIENT way to enrich my skills as a clinical teacher. | 1 | 1 | 2 | 19 | 7 | 4.0 (30) |
| 2. The WISE-FM Infographic(s) is an EFFECTIVE way to enrich my skills as a clinical teacher. | 1 | 0 | 3 | 20 | 5 | 4.0 (29) |
| 3. I intend to incorporate the WISE-FM infographic strategies into my teaching. | 1 | 0 | 4 | 15 | 9 | 4.1 (29) |
| 4. I will share WISE-FM Infographic(s) with my colleagues and/or post in clinic staffing space. | 1 | 1 | 3 | 16 | 8 | 4.0 (29) |

Conclusions

- The WISE FM Collaboration successfully developed innovative and dynamic faculty development material in a time efficient manner.
- Preceptors positively evaluated infographics and reporting intent to use strategies in teaching.
- Dissemination initiatives underway.

* WISE-FM *

WISCONSIN INSTITUTE OF SCHOLARS AND EDUCATORS IN FAMILY MEDICINE

Infographics available at:

[HTTP://WWW.FAMMED.WISC.EDU/PCC/PRECEPTOR/](http://www.fammed.wisc.edu/pcc/preceptor/)
click on preceptor role