



**Non-patient Based Licensure Examination:
"The Minnesota-Canada Nexus"**

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School of Dentistry
www.dentistry.umn.edu

State of Minnesota



Birthplace of:



- Managed Care
- Prairie Home Companion
- Mississippi River



State of Minnesota



Home of:



Minnesota OKs Canadian exam

First state to recognize non-patient based exams for licensure



Landmark decision based on trust and confidence

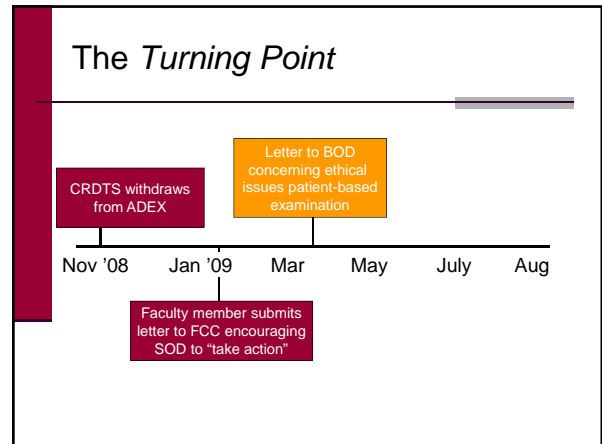
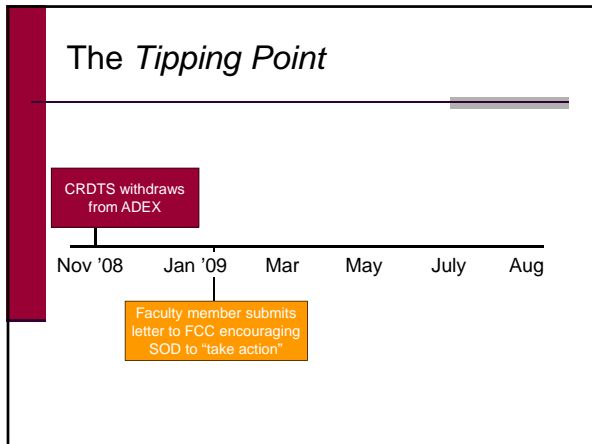
Requirements to obtain licensure to practice dentistry in Minnesota

1. Graduate from a Commission on Dental Accreditation accredited dental school/college.
2. Pass Part I and Part II of the National Board Dental Examinations.
3. **Pass a Minnesota Board of Dentistry approved licensure examination.**
4. Pass the state's Dental Jurisprudence Examination.

The Starting Point

CRDTS withdraws from ADEX

Nov '08 Jan '09 Mar May July Aug



ASDA *counsel. support. advance.*
American Student Dental Association

“ASDA continues to fully support the elimination of live patients in its current format for the use of initial licensure.”

Dr. Brooke Loftis, former ASDA President

ASDA White Paper on Ethics and Professionalism in Dental Education: 2009

- ### Ethical issues identified with patient-based dental licensure examinations
- Diagnosed treatment **needs delayed** until the date of the examination;
 - Treatments rendered **out of sequence**;
 - Patients cared for by a provider who is **not the provider of record**;
 - Patients receiving **compensation** for their participation **beyond costs incurred**;
 - Treatments** provided that will be **“re-done”** after the examination is completed; and
 - Follow-up care is **not offered by the provider of record**.

Examples of (academic dishonesty) include ... delaying patient treatment for future use of licensing exams.

ASDA White Paper on Ethics and Professionalism in Dental Education: 2009

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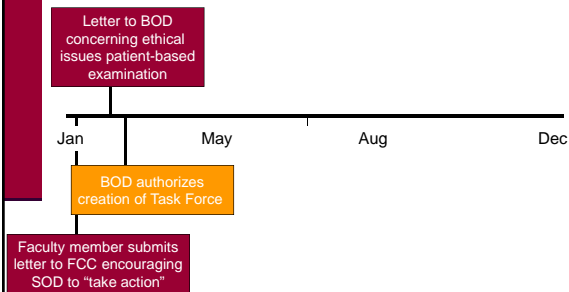
NEED PATIENTS?
WE GOT EM!
www.PatientFindingServices.com

Be Prepared to Take the Exam
Check out our board prep courses
www.WesternDentalConsultants.com

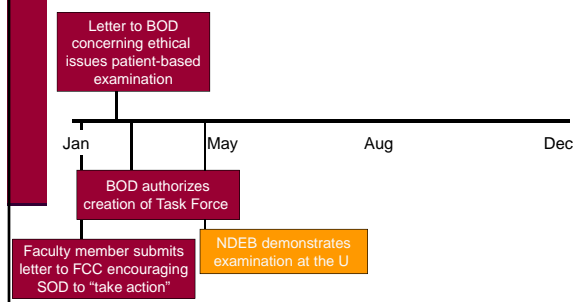
Proposal to MN Board of Dentistry from U of MN School of Dentistry

- **Board of Dentistry would have access to processes of the School of Dentistry**
 - Admissions Committee
 - Scholastic Standing Committee
 - Education and Policy Committee
 - Competency Review Board
 - Clinical Competency Assessments
- **School of Dentistry would host the**
 - National Dental Examining Board of Canada Licensure Examination

Timetable of events 2009



Timetable of events 2009



National Dental Examining Board of Canada Licensure Examination

- Dr. Danielle Joly, President-elect, National Dental Examining Board of Canada (2009)
- Dr. Jack Gerrow, Exec Director & Registrar, National Dental Examining Board of Canada
- **Demonstrated examination to:**
 - Members, Minnesota Board of Dentistry
 - Faculty, U of MN School of Dentistry

Published literature – “The Evidence”

- Analysis of the contribution of a patient-based component to a clinical licensure examination. *Journal of the American Dental Association*. 2006.
- Competencies for a beginning dental practitioner in Canada. *Journal of Dental Education*. 2006.
- Concurrent validity of written and OSCE components of the Canadian Dental Certification examinations. *Journal of Dental Education*. 2003
- Use of discriminant and regression analyses to modify a clinical certification board examination. *Journal of Dental Education*. 1999.
- Results of the National Dental Examining Board of Canada written examination and implications for certification. *Journal of Dental Education*. 1997.
- Modifications to the National Dental Examining Board of Canada's certification process. *Journal of the Canadian Dental Association*. 1998.

National Dental Examining Board of Canada



Graduates of Accredited Dental Programs
 Information regarding becoming certified to Practice dentistry in Canada

What is the NDEB exam?

- Two components over two days
 - Written examination – Day 1
 - Objective Structured Clinical Examination (OSCE) – Day 2

What is the written examination?

- Two parts
 - each with 150 multiple choice type questions
- Two 150 minute sessions
 - the first in the AM and the second in the PM
- Basic science and applied clinical science

Sample question:

Which of the following participate in clot formation?

- A. Platelets.
- B. Monocytes.
- C. Lymphocytes.
- D. Leukocytes.



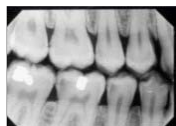
What is the OSCE?

- Station type examination
- Two 150 minute sessions
 - the first in the AM and the second in the PM
 - ~ 50 total questions each half day
- Students have five minutes at a station and then move to the next station

What is the OSCE?

- Questions at each station developed from standardized templates on NDEB website
- Specific details (e.g., case histories, radiographs, patient casts, and demonstration models) are added to templates
- Most stations have two extended match questions & each extended match question has up to 15 answer options with one or more correct answer(s)

Sample OSCE question



There is radiographic evidence of caries on the

- a. distal of tooth 4.3
- b. mesial of tooth 4.4
- c. distal of tooth 4.4
- d. mesial of tooth 4.5
- e. distal of tooth 4.5
- f. mesial of tooth 4.6
- g. distal of tooth 4.6
- h. mesial of tooth 4.7
- i. distal of tooth 4.7
- j. mesial of tooth 4.8
- k. distal of tooth 4.8

Faculty and staff participation in mock written and OSCE examinations

Student Orientation

- Dr. Heather Conrad
- Dr. Darryl Hamamoto
- Dr. Ben Pliska
- Dr. Roxana Saldarriaga
- Dr. Gregory Tolmie

Develop OSCE Questions

- Dr. Mansur Ahmad
- Dr. Michael Baisden
- Dr. Gary Cook
- Dr. Gary Hildebrandt
- Dr. Bryan Michalowicz

Answer OSCE Questions

- Dr. Michael Baisden
- Dr. Jeffrey Carlson
- Dr. Gary Cook
- Dr. Darryl Hamamoto
- Dr. Gary Hildebrandt
- Dr. Gray Michalowicz
- Dr. Ben Pliska

Answer Written Questions

- Dr. Mansur Ahmad
- Dr. Michael Baisden
- Dr. Jeffrey Carlson
- Dr. Heather Conrad
- Dr. Darryl Hamamoto
- Dr. Pamela Hughes
- Dr. Gary Hildebrandt
- Dr. Richard Madden
- Dr. Scott McClanahan
- Dr. Richard Nadeau
- Dr. Ben Pliska
- Dr. Karin Quick
- Dr. Jasmine Yesil

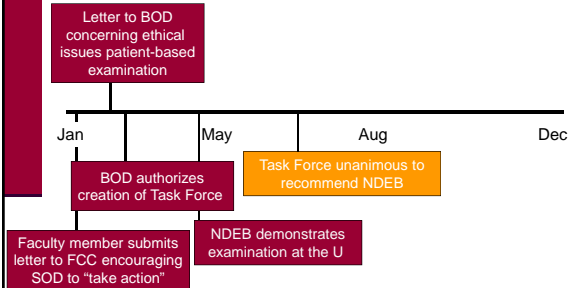
Exam Invigilators

- Ms. Deborah Chapman
- Ms. Rhonda Loyer

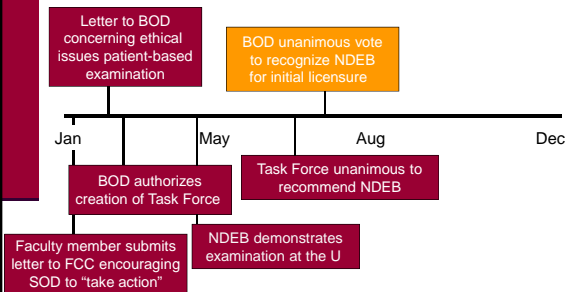
Mock Objective Structured Clinical Examination (OSCE)



Timetable of events 2009



Timetable of events 2009



■ MN Board of Dentistry considers motion:

“That the Minnesota Board of Dentistry accept the Canadian NDEB examination from graduates of the University of Minnesota School of Dentistry for application for initial dental licensure in the State of Minnesota.”

- Unanimous support for motion.

Extra! Extra! Extra!

Minnesota OKs Canadian exam

First state to recognize non-patient based exams for licensure

BY KAREN FOX
 Minneapolis—Minnesota has become the first state to accept non-patient based exams for dental licensure. The Minnesota Board of Dentistry voted unanimously last fall to accept the results of the National Dental Examination Board of Canada (NDEB) exam, which candidates take in their home countries.
 “The NDEB exam includes a written component and a practical component,” said Dr. Candace Mensing, president of the Minnesota Board of Dentistry. “Once we approved these we were faced with the challenge of determining how to integrate the NDEB exam into our licensure process. We have now done that and the results of the exam will be used for licensure of the graduates of the University of Minnesota School of Dentistry in 2010. The NDEB exam includes a written component and a practical component.”
 “The board decided to do it,” Dr. Sheppard said. “It was a unanimous decision.”
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Minnesota to use Canadian dental licensure exam beginning 2010



MN Board of Dentistry Members:

- Candace Mensing DDS, President
- Joan Sheppard, DDS, Vice President
- Kristin Heebner, JD, Secretary
- Linda Boyum, RDA, Past President
- Neal Benjamin, DDS
- Nancy Kearns, DH
- David Linde, DDS
- Freeman Rosenblum, DDS

Executive Director – Marshall Shragg, MPH



Changes afoot in U.S. dental education

8/11/2009

By: Helaine Smith, D.M.D., M.B.A.

The news that Minnesota has become the first state in the U.S. to offer candidates for dental licensure the opportunity to take a nonpatient-based clinical licensure examination is a promising and positive advance for dentistry.

... Minnesota's decision to adopt the Canadian exam approach is a step in the right direction. It's time for the rest of the U.S. to follow suit and change the antiquated clinical board exams.

ADA News

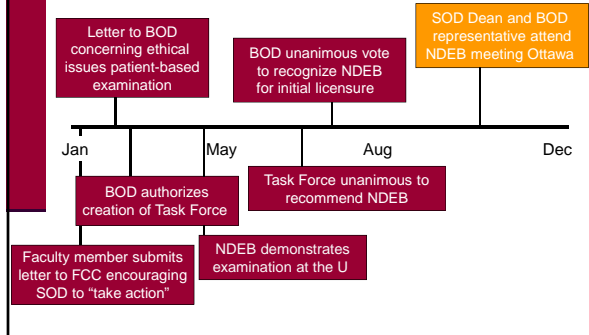
September 4, 2009

My view

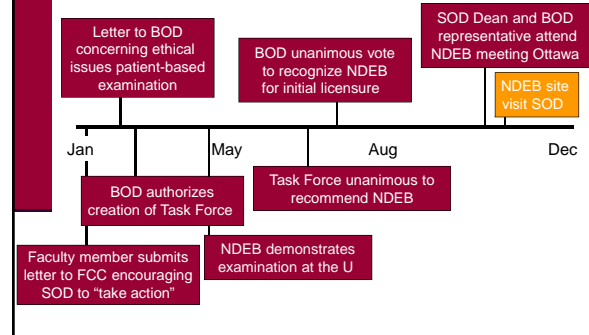
Minnesota news

As a student, clinician and educator of many years, I was elated to read of the steps taken in Minnesota to finally move dentists out of the trade arena and license them as health care providers ("Minnesota OKs Canadian Exam: First State to Recognize Non-Patient Based Exams for Licensure," July 13 ADA News).

Timetable of events 2009



Timetable of events 2009



ADA News

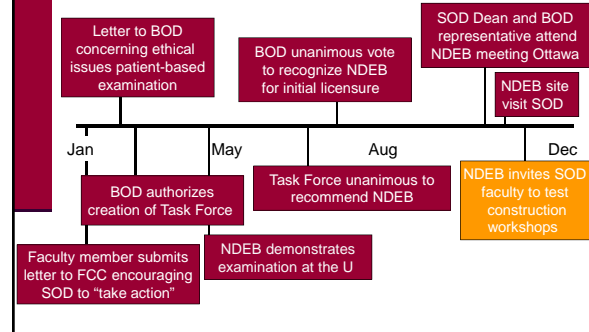
September 21, 2009

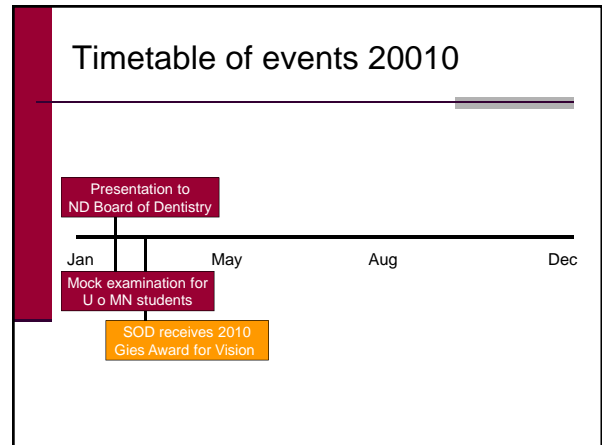
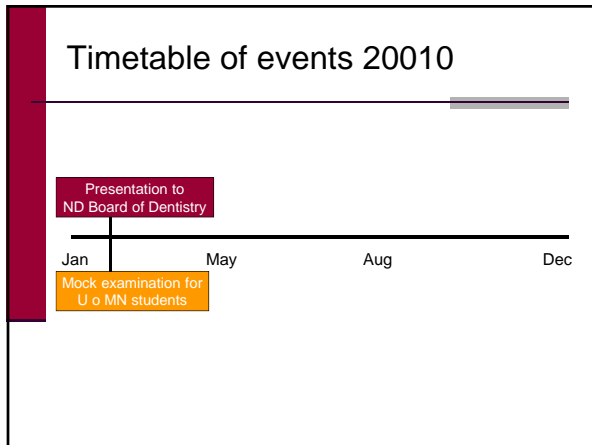
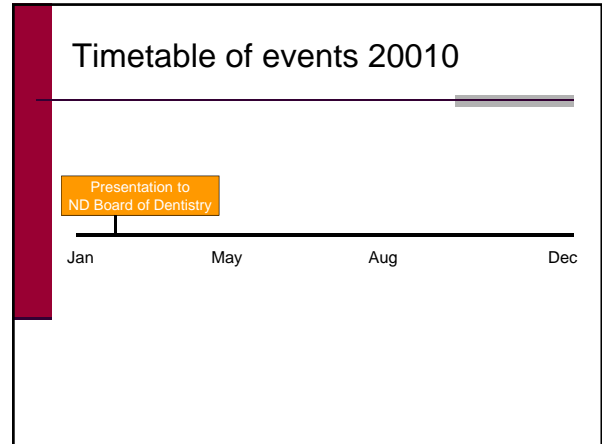
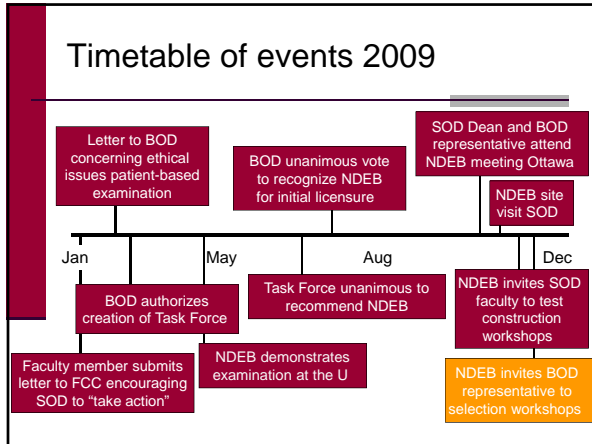
Letters

Minnesota news

"Minnesota OKs Canadian Exam" (July 13 ADA News) represents the second earthshaking action taken by a state relating to dental licensure examination, since New York State abolished the clinical examination and replaced it with a mandatory minimum PGY1 (postgraduate residency of one year's duration) requirement.

Timetable of events 2009





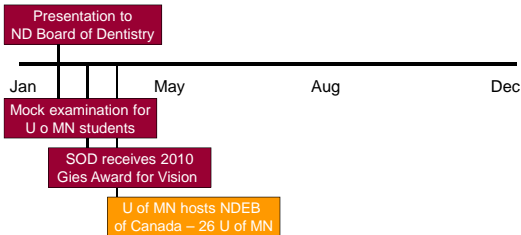
William J. Gies Award

- University of Minnesota School of Dentistry receives 2010 William J. Gies Award for Vision
- Vision:** The articulation and pursuit of a contemporary idea or a set of ideals, perspectives, or solutions that attracts the pursuit of a contemporary idea or commitment of our colleagues, profession, or industry, creating broader meaning, while effectively bridging the present with the future of global oral health and oral health education.
- Selected by panel of judges of ADEA Gies Trustees
- Presented at the 89th Annual Session of the American Dental Education Association meeting, February 27, 2010, Washington, D.C.

View video at www.dentistry.umn.edu



Timetable of events 20010



Information on Class of 2010 who took NDEB of Canada examination

- 26 students (25% of class) took examination
- There was significant diversity related to academic performance among students who took the exam.
- These same students had already paid for, taken, and passed Part I of the CRDTS examination in September 2008.

Career plans of those who passed the NDEB of Canada examination (2010)

n=25

- 13 practicing in Minnesota
- 6 enrolled in advanced education programs
- 5 military (Army, Air Force, Navy)
- 1 practicing in Wisconsin (also passed CRDTS)

Post exam results discussion

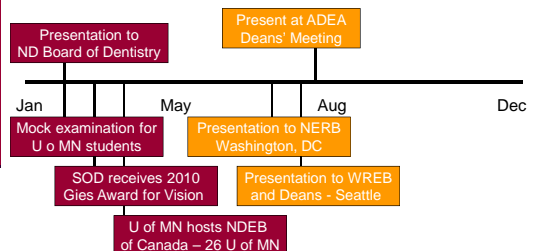


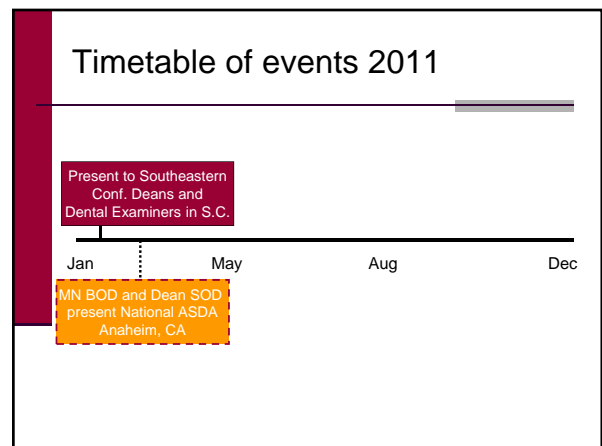
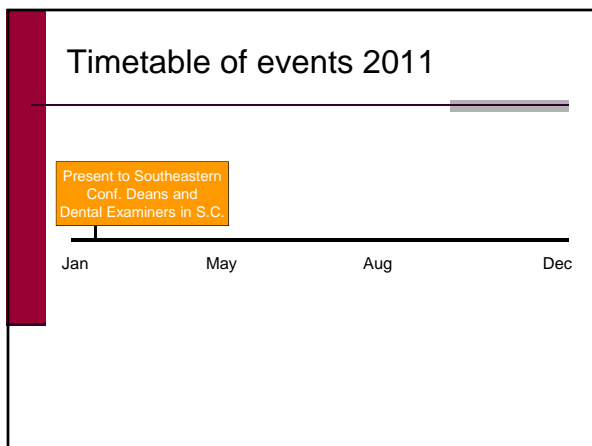
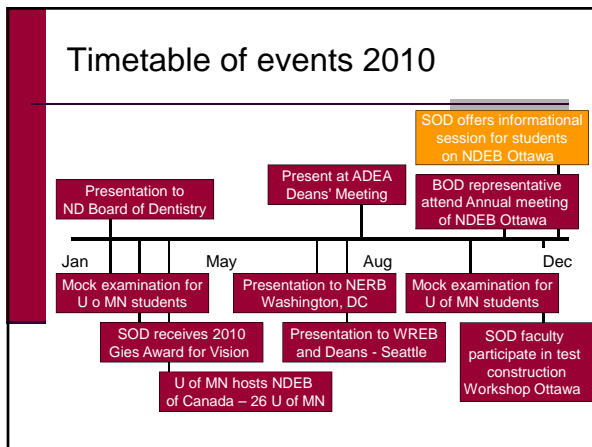
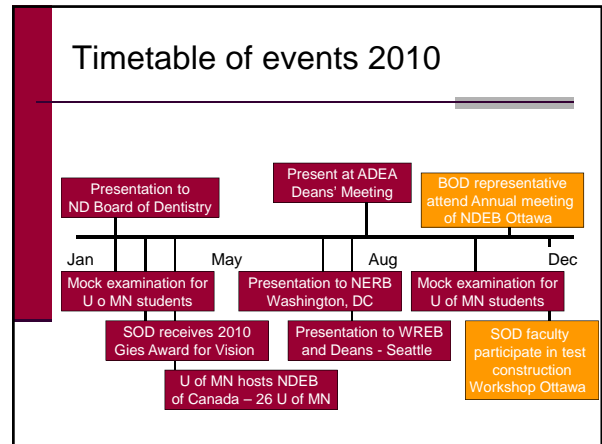
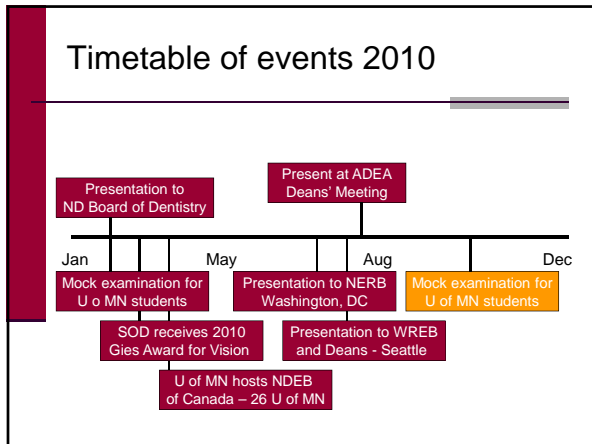
Post exam results discussion

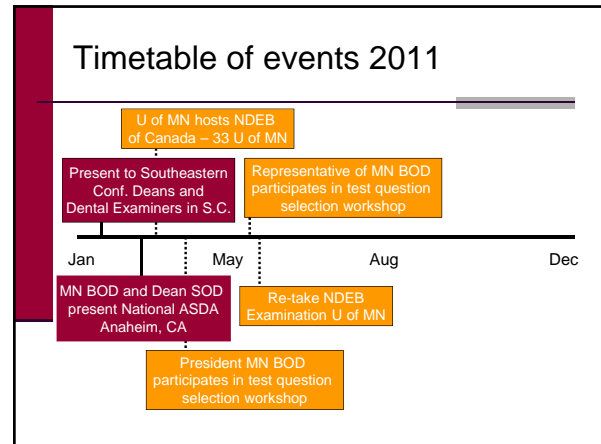
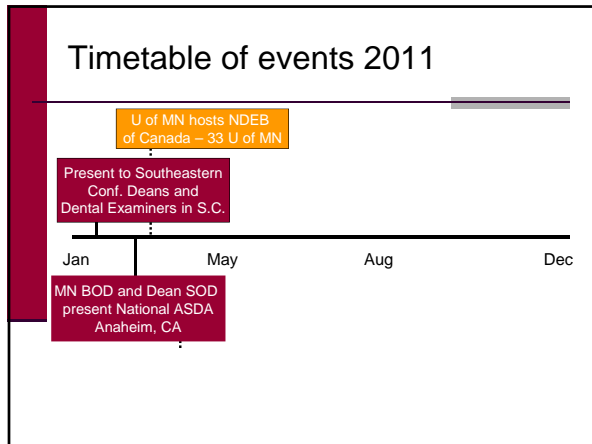
“Why did you decide to take the Canadian examination?”

- “I didn’t want getting my license dependent on one day’s performance.”
- “I was worried about patient no-show.”
- “It was the right thing to do!”
- “So much effort was put into this, I had to take it.”
- “My plan is always to practice in Minnesota.”
- “I’d get more out of preparing for this exam than looking for ideal board patients.”

Timetable of events 2010







- ### Unintended consequences of the Minnesota-Canada Nexus
- challenge to get board patients for senior students taking a patient-base exam is **less difficult**
 - students taking NDEB of Canada examination now have **2 reasons** to study for Part II ADA National Dental Board Examination
 - **more Canadian** applicants to U of M SOD
 - **Dean MN SOD attended** annual meeting of Canadian Dental Schools at Annual Session ADEA
 - a **new research** focus for faculty members
 - MN being perceived as **“a friendly place to practice”**
 - recruitment for faculty positions has been **enhanced**

- ### Long term consequences of decision
- U of MN School of Dentistry **will be recognized** for the high priority it places on the ethical care of patients.
 - Other dental licensure exams **will be encouraged** to find alternative approaches to testing (e.g., OSCE, simulation technology, etc.) rather than using live patients.
 - Additional state dental boards **will have an opportunity to demonstrate leadership** in how they judge dentists to be competent to practice in their respective states.
 - MN Board of Dentistry **will develop a greater appreciation** for the myriad systems the SOD has in place to admit, assess, and promote its students, as well as how it maintains a contemporary curriculum.
 - Faculty at the U of MN School of Dentistry **will develop professional relationships** with their counterparts at Canadian dental schools which will lead to a sharing of testing strategies.
 - **Students at the U of MN School of Dentistry will have additional clinic time to gain valuable experiences, which will better prepare them for their entry into practice.**

