PENN STATE HERSHEY DIABETES REGISTRY

Provider Training
# Table of Contents

- Background & Benefits  
  slides 3-6
- Getting Started  
  slides 7-9
- Reports  
  slides 10-11
- Searches  
  slides 12-22
- Populating the Registry (Labs)  
  slides 23-25
- Eye Exams  
  slides 26-28
- ACE/ARB Statin & Aspirin Use  
  slides 29-30
- Reminders  
  slide 31
- Patient Profile Information  
  slides 32-34
- Patient Self-Care Goals  
  slides 35-36
- Patient Profile Form  
  slides 37-40
- Additional Resources  
  - Printing Patient Profile  
    slides 41-45
- Questions  
  slides 46-47
Background

• The registry is a web-based, custom built application.

• Tracks clinical outcomes for diabetes patients.

• Provides decision support rooted in evidence-based medicine.

• Provides rich source of data that can be utilized for research.
Quality Improvement Initiatives

• Registry’s data has proven to be instrumental in quality improvement initiatives.¹

• A useful documentation tool that incorporates evidence-based clinical practice guidelines to promote compliance with the best standards of care.

Additional Benefits

• Utilized for several pay for performance initiatives through its population management and flexible reporting functions.

• Valuable element in Patient Centered Medical Home models.²

• Instrumental in helping practices achieve Federal Government mandated requirements for “meaningful use” of electronic health records.

² Patient-Centered Medical Home and Diabetes Care
Trajko Bojadzievski, MD and Robert A. Gabbay, MD PHD
Diabetes Care April 2011 34:1047-1053
http://care.diabetesjournals.org/content/34/4/1047.full
National Benchmarks

• The Penn State Hershey Diabetes Registry was the source of data collected to illustrate compliance with national benchmarks.

• Demonstrated attainment of indicators of high quality as outlined by the National Committee of Quality Assurance (NCQA)³ and the American Diabetes Association.⁴

³ [http://www.ncqa.org](http://www.ncqa.org)
⁴ [http://www.diabetes.org](http://www.diabetes.org)
Getting Started

• The following slides will state how to join the Registry.

• Basic instructions will follow on how to use the reporting functions.
New Providers

• Notify Diabetes Registry at 717-531-7539

• Once added to Registry, go to website at https://webapp.hmc.psu.edu/diabetes/index.cfm or access the site via the Infonet under “Departments” - > “clinical – internal.”

• Log on with your user name and e-pass. If application does not automatically load, click on “check here if window fails to open.”
IMPORTANT: If you are an HMC user, please login using your epass account.

Username:  
Password:  
Login

Forgot Password

For technical problems, please contact the Public Health Sciences Helpdesk at (717)531-7682 or helpdesk@hmc.psu.edu

Data Agreement
The Pennsylvania State University © 2008
The main menu provides options to view patient specific data and select reports.
SEARCHES

• You can search for your patient population by clicking on the Patient Data tab and then choose the hospital affiliation by clicking on the drop down box.
• Click on the practice drop down menu and choose the practice affiliation.
• Click on the provider drop down menu and click on your name.
• Click on Execute Search and all your patients will be pulled from the Registry.
SEARCHES

• You can choose any of the drop down menus to search for any patients meeting any of the criteria you have selected.

• You can search for types of complications, types of diabetes, date of birth and also by gender.

• After you choose the criteria, execute search. This may take a few minutes for the data to load.
Once your information has been pulled, you can also use the print report function to print out your report.
SEARCHES FROM VALUE REPORT

• You can also pull your patients by a clinical indicator from the value report.

• This enables you to pull your patients who meet a certain criteria. Please note that you will need to search for one item at a time. Checking more than one item results in a report where both limits are combined.
DIABETES REGISTRY

Report Menu

- Patient Profile
- Overdue
- Value
- Back

User Manual (PDF)
Results in excel file:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address 1</th>
<th>Address 2</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>MKN</th>
<th>DOB</th>
<th>Age</th>
<th>Primary Care Provider</th>
<th>Primary Care Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>12 High Street</td>
<td></td>
<td>Somewhere</td>
<td>PA</td>
<td>17555</td>
<td>155</td>
<td>13/10/1957</td>
<td>54</td>
<td>Frank Jones</td>
<td>Endocrinology</td>
</tr>
<tr>
<td>John W. Doe</td>
<td>342 W. Main St</td>
<td></td>
<td>Hershey</td>
<td>PA</td>
<td>17033</td>
<td>1995</td>
<td>12/03/1952</td>
<td>59</td>
<td>John Doe</td>
<td>Endocrinology</td>
</tr>
<tr>
<td>Katie French</td>
<td>487 Chocolate Ave</td>
<td></td>
<td>Hershey</td>
<td>PA</td>
<td>17033</td>
<td>495</td>
<td>01/01/1980</td>
<td>31</td>
<td>Jennifer Rumble</td>
<td>Endocrinology</td>
</tr>
<tr>
<td>John R. Jones</td>
<td>562 Hope Street</td>
<td></td>
<td>Hershey</td>
<td>PA</td>
<td>17033</td>
<td>365</td>
<td>02/03/1985</td>
<td>34</td>
<td>Matthew Downey</td>
<td>Endocrinology</td>
</tr>
<tr>
<td>Holly Hendrick</td>
<td>385 Buttonwood Dr</td>
<td></td>
<td>Hershey</td>
<td>PA</td>
<td>17033</td>
<td>283</td>
<td>03/08/1976</td>
<td>66</td>
<td>William Bird</td>
<td>Endocrinology</td>
</tr>
</tbody>
</table>
SEARCHES FROM OVERDUE REPORT

• This report allows you to select patients who are overdue for certain types of testing or follow-up care.
Same results format as Value report
AUTOMATIC PATIENT ADDITION TO DIABETES REGISTRY

- Patients who are seen within the HMC network in a 2 year period who have two ICD9 codes of 250.XX, 277.XX or 648.XX for Diabetes will be automatically uploaded into the Registry.

- Patients can be added manually as well. However, automated lab results won’t occur until after the second visit.
LAB INFORMATION

• Lab values will be automatically imported from the Penn State Hershey clinical system once a patient has had two visits corresponding with the ICD9 codes for Diabetes.

• Lab testing performed outside HMC must be added manually.

• If a lab result is written on the Patient Profile sheet, it can be data entered centrally.
EYE EXAMS

• If a patient is seen at our HMC Ophthalmology clinic the date of the eye exam is automatically uploaded to the Diabetes Registry.

• Eye exams done off site should be faxed to the PCP office and to the Penn State Hershey Diabetes Institute.

• Eye Care Fax Forms will automatically print with the Patient Profile report, if the patient is overdue or soon to be overdue. These can also be printed manually from the Main Menu, under Download Forms.
DIABETES REGISTRY

Main Menu

- Patient Data
- Calendar
- Download Forms
- Reports
- Administration
- Account Security
- Patient Management
- Change Password
- Inactivation Rules
- Logout

User Manual (PDF)

Data Agreement

The Pennsylvania State University © 2006
Diabetic Eye Form
ACE/ARB STATIN/ASPIRIN USE & VACCINES

• When printing out the Patient Profile form it will reflect the following information from the initial Patient Profile form as the options being:
  • Yes
  • No
  • Contraindicated
  • Refused
• These items are not imported from the electronic medical record and need to be manually recorded on the form and updated as indicated.
Patient Profile

• Used at Point-of-Care: Clinician View
Reminders

• Automatic reminders will appear if patient is overdue for YEARLY foot exam, Lipid panel, Urine microalbumin/creatinine ratio, Creatinine, flu vaccine, HbA1c, and Eye Exam.
Patient Profile

- Used at Point-of-Care: Clinician View
Patient Profile Information

• For each patient visit, please indicate the following:
  ➢ Blood pressure
  ➢ Weight
  ➢ Foot Exam information if performed
  ➢ Eye Exam information if known
  ➢ Current Self Care Goals
  ➢ Indicate any Complications at top of form
  ➢ Smoking cessation counseling if applicable
  ➢ Please sign as provider
Patient Profile

• Used at Point-of-Care: Clinician View
Current Self Care Goals

• Self-management goals are central to improving diabetes outcomes.

• The Registry provides an opportunity to document the goal that you and your patient together establish at the visit.

• Self care goals are found at the bottom of the Patient Profile Form:
  – Diet, Exercise, Foot Care, Maintain, Medication, Monitoring, Stress Management, Tobacco, Weight Management, and other.
Patient Profile

- Used at Point-of-Care: Clinician View
The Primary Care Provider and Primary Diabetes Care Provider and affiliated Clinics are printed on the Patient Profile for easy reference.
Patient Profile Form

• Your office staff will forward the 1st page of the Patient Profile form to the Penn State Hershey Diabetes Institute for data entry.

• The 2nd page of the Patient Profile is to be given to your patients. Please see following slide.
Patient’s Diabetes Care Form

Used at Point-of-Care: Patient View

To be given to your Patient
DATA ENTRY

• Once patient profiles are received by the Penn State Hershey Diabetes Institute they are entered into the Diabetes Registry.

• The updated information will be reflected on your patient’s next visit.
Printing Patient Profile

• You can print out an individual patient profile per the procedure in the following slide.
Steps to Print Patient Profile

1) Select “Reports” from the Main Menu
2) Select “Patient Profile”
3) Select hospital from drop down menu
4) Enter last name or patient medical record number
5) Click on “Execute Search”
6) Select patient by checking box
7) Select “Print report” and then print out form
The main menu provides options to view patient specific data and select reports.
DIABETES REGISTRY

Report Menu

Patient Profile  Overdue  Value

Back
## Patient Profile

*Indicates Required Field

**Use Data Format: MMDD/YYYY**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital</td>
<td>Hershey Medical Center</td>
</tr>
<tr>
<td>Provider Type</td>
<td>Select Practice</td>
</tr>
<tr>
<td>First Name</td>
<td>Doe</td>
</tr>
<tr>
<td>Last Name</td>
<td></td>
</tr>
<tr>
<td>Date of Birth</td>
<td></td>
</tr>
<tr>
<td>Diabetes Type</td>
<td>Diabetic</td>
</tr>
<tr>
<td>Complications</td>
<td>All</td>
</tr>
<tr>
<td>Status</td>
<td>Active</td>
</tr>
</tbody>
</table>

### Search Results

1 record(s) found.

<table>
<thead>
<tr>
<th>Patient Name</th>
<th>Date of Birth</th>
<th>Chart(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>11/18/1957</td>
<td>155</td>
</tr>
</tbody>
</table>

[Print Report(s)]
Questions? Comments?
DIFFICULTIES?

• Please contact the Penn State Hershey Diabetes Institute at 717-531-7539 or email us at Diabetes_Institute@hmc.psu.edu

• If you experience technical difficulties please contact the Help Desk at 717-531-7682.