



## **WISEWOMAN Program Screening and Referral Protocols**

### **Blood Pressure Screening**

Agency staff conducting the Blood Pressure Screening must follow the Procedures for Measurement of Blood Pressure and Procedure for Measuring Blood Pressure on Lower Arm included in the WISEWOMAN Program Clinical Screening Procedures.

### **Assessment of Pulse Regularity**

Agency staff conducting the assessment of pulse regularity must follow the Procedures for Assessment of Pulse Regularity included in the WISEWOMAN Program Clinical Screening Procedures.

### **Cholesterol and Glucose Screening**

1. Agency staff conducting the Cholesterol and Glucose Screening must follow the Cholestech<sup>®</sup> Blood Collection By Finger Puncture For Cholesterol and Glucose included in the WISEWOMAN Program Clinical Screening Procedures.
2. Screening for Plasma Glucose and Total and HDL Cholesterol must be done using a Cholestech LDX, for immediate receipt of results.
  - a. It is required that Optics Checks be done on the Cholestech LDX each day the machine is used, prior to the first screening. Checks must be done according to the procedures found in the Cholestech User Manual.
  - b. High and low liquid controls must be used each week the Cholestech LDX is used. Your Laboratory Director (person whose name appears on your CLIA Certificate) may specify a different interval based upon experience and usage. Checks must be done according to the procedures found in the Cholestech User Manual.
  - c. The Site Coordinator (in the Michigan Regional Laboratory System) or your Section Supervisor should review the Quality Control (QC) Log on a monthly basis to allow for timely follow-up as needed. QC Logs must be filed, and readily retrievable, for two years as per CLIA requirements. (See a sample QC Log included in the back of the Screening and Referral Protocols Section of the Policies and Procedures Manual.)
  - d. In the event of QC failure, indicate the corrective action taken on the bottom of the QC Log. If the problem is too complex to explain in a few lines, write a memo indicating the problem, when it occurred and what was done to correct it. This information becomes a part of the QC file.
  - e. All procedures outlined in the Cholestech User Manual must be followed to ensure accurate screening results.

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3. If the result of the Total Cholesterol screening is  $>400$  mg/dL, a second measurement should be taken. Reimbursement of a second Total Cholesterol measurement will only be authorized if the first measurement is  $>400$  mg/dL. The following protocols should be followed when two cholesterol measurements are taken:
  - a. If the second total cholesterol measurement is within + or - ten percent of the first measurement, it is considered within the acceptable range of a repeat test result. In this case, if the two readings are in different categories (i.e., Alert and High) use the highest reading as the reading to record and determinant of level of intervention (Medical Care Case Management) and follow the protocols accordingly.
  - b. If the second measurement is greater than + or - ten percent of the first measurement and they fall into different categories (Alert and High, Alert and Borderline High or Alert and Normal) the staff member conducting the screening can do either of two options:
    - i. Do a third measurement if the program participant is willing.
      - A. The third measurement is the tiebreaker.
      - B. The local agency must contact the WISEWOMAN Program Coordinator at the Michigan Department of Community Health to ensure authorization for payment of the third cholesterol measurement is made.
    - ii. Use clinical judgment based on an assessment of prior readings, history, etc. to determine appropriate level of intervention and appropriate medical referrals.
  - c. If the second measurement is greater than + or - ten percent of the first measurement and they fall into the same category, follow the recommendations of that category (Medical Care Case Management).
4. Handling error messages or “out of range” values when using the Cholestech machine.
  - a. If you receive an error message saying, “Reaction Did Not Occur,” repeat the test with a new cassette and a new finger stick sample. If the message reappears, refer the participant for a fasting lipid panel and/or a fasting glucose.
  - b. Out of range values:
    - i. Total Cholesterol  $<100$  or  $>500$  – Refer for a fasting lipid panel
    - ii. HDL  $<15$  or  $>100$  – Refer for a fasting lipid panel
    - iii. Glucose  $<50$  or  $>500$  – Refer for a fasting glucose
  - c. When entering the Screening Results in the WISEWOMAN module of MBCIS, leave the results that you did not obtain blank. Put a note in the Screening Notes saying “Unable to Obtain Cholesterol/HDL/Glucose Results. referred for fasting lipid panel.” Send an email to [RobertsRobi@michigan.gov](mailto:RobertsRobi@michigan.gov) with **ONLY** the MBCIS number of the participant (no personal identifiers) and a note. MDCH will authorize the service.

#### Referrals to Health Care Providers

- You should refer program participants to a health care provider under the following conditions:
  - **Immediate Medical Care** if any of the following symptoms are present:
    - Shortness of breath
    - Chest pain
    - Sudden weakness/numbness of face, arms or legs
    - Temporary difficulty with or loss of speech
    - Loss of vision/double vision
    - Unsteady on feet/loss of balance/dizziness
    - Difficulty functioning (mentally or physically)
    - Change in ability to remember/understand
    - Sudden severe headache
  - **Alert Values (Require Medical Care Case Management):**
    - BP is **greater than 180** (systolic) and/or **greater than 110** (diastolic)
    - Total Cholesterol is **greater than 400**
    - Glucose is **less than or equal to 50 or greater than 275** (fasting or casual) **and no history of diabetes**
  - **Abnormal or Elevated Values:**
    - BP **140-180** (systolic) and/or **90-110** (diastolic)
    - Total Cholesterol **240-400**
    - Total Cholesterol **200-239** with HDL **<40 or 2 or more risk factors or** history of Coronary Heart Disease **or** history of diabetes (Use Borderline Cholesterol Worksheet.)
    - HDL is **less than 40 and** Total Cholesterol is **less than 200**
    - Fasting Plasma Glucose **100-375** (After fasting at least 9 hours)
    - Casual Plasma Glucose **160-375 and participant reporting symptoms** (increased thirst, frequent urination, increased hunger, fatigue, unexplained weight loss, blurred vision, sores that do not heal)
    - Casual Plasma Glucose **100-159 with one or more risk factors** (Use Diabetes Risk Factor Worksheet.) – Refer participant for a Fasting Plasma Glucose. Refer for diagnostic exam if FPG  $\geq$  100.
    - Newly detected irregular pulse

#### Referrals for follow-up Lab Work

- Follow-up Lab Work should be completed and the results should be available before the participant sees the provider
  - Total Cholesterol greater than **240**
    - Refer for full lipid panel
  - Total Cholesterol **200-239** (Use Borderline Cholesterol Worksheet.)
    - If indicated, refer for full lipid panel
  - HDL is **less than 40**
    - Refer for full lipid panel
  - Fasting Plasma Glucose **greater than 100** (After fasting at least 9 hours)
    - No personal history of diabetes – Refer for follow-up fasting plasma glucose (Follow-up fasting plasma glucose **cannot** occur on the same day as the screening glucose.)
    - Personal history of diabetes – Refer for Hemoglobin A1c (Participant should not receive a follow-up fasting plasma glucose)
  - Casual Plasma Glucose **greater than 160**
    - No personal history of diabetes – Refer for follow-up fasting plasma glucose (Follow-up fasting plasma glucose **cannot** occur on the same day as the screening glucose.)
    - Personal history of diabetes – Refer for Hemoglobin A1c (Participant should not receive a follow-up fasting plasma glucose)
  - Casual Plasma Glucose **100-159** – Refer participant for a Fasting Plasma Glucose.
    - No personal history of diabetes – (Use Diabetes Risk Factor Worksheet.) Refer for follow-up fasting plasma glucose (Follow-up fasting plasma glucose **cannot** occur on the same day as the screening glucose.)
    - Personal history of diabetes – Refer for Hemoglobin A1c (Participant should not receive a follow-up fasting plasma glucose)
  - Casual or Fasting Plasma Glucose **less than or equal to 50**
    - No personal history of diabetes – Refer for follow-up fasting plasma glucose (Follow-up fasting plasma glucose **cannot** occur on the same day as the screening glucose.)
    - Personal history of diabetes – Refer for Hemoglobin A1c (Participant should not receive a follow-up fasting plasma glucose)