NCRA DATA MANAGEMENT BADGE

Fact Sheet and Outline

BACKGROUND ON NCRA'S KNOWLEDGE-BASED BADGE PROGRAM

NCRA's Knowledge-Based Badge Program focuses on a specific educational curriculum for which participants receive a digital badge and certificate after coursework completion and receipt of a passing score on the related assessments. The program is managed by NCRA's Education Department and is designed to demonstrate competency of a topic specific to the cancer registry profession. The curriculum and training are developed by subject matter experts. All NCRA Knowledge-Based badges are reviewed by NCRA's Program Recognition Committee, and continuing education (CE) credits are awarded as deemed appropriate by the committee.

CONTENT OF DATA MANAGEMENT BADGE

The *NCRA Data Management Badge* focuses on how to ensure data quality and highlights critical aspects of data reporting. The four core competencies include:

- Managing Cancer Registry Data
- Ensuring Cancer Registry Data Quality
- Reporting Cancer Registry Data
- Promoting Cancer Registry Data

These competencies are addressed in eight modules; each module includes a 30-minute recorded presentation, a *Key Terms and Concepts* fact sheet, and an assessment. Ninety percent of the presentation must be viewed, and each assessment requires an 80% pass rate to earn the four (4) continuing education (CE) credits and to download the *Certificate of Completion* and digital badge.

Note: No two cancer registries are alike. They differ in budget, staff size, software, accreditations, hierarchy within an institution, and much more. The *NCRA Data Management Badge* does not address all the differences. It has been designed, however, to highlight important data responsibilities and tasks within all registries.

ELIGIBILITY

All are welcome to earn the *NCRA Data Management Badge* to increase understanding of cancer registry data and its use. It is recommended, but not required, that participants hold the Oncology Data Specialist (ODS) credential and have at least three years of experience in a registry.

PRESENTERS

Ronda G. Broome, MSHMI, MS, ODS-C

Ronda Broome serves as the Associate Director of Clinical Abstraction at Syapse, a healthcare technology company dedicated to extinguishing the fear and burden of serious disease by advancing real-world care. She combines an exceptional ability to foster positive relationships with providers and teams with her leadership prowess and vibrant energy. Broome holds an MS in Biology/Bioinformatics from Georgia State University and an MS in Healthcare Management and Informatics from Kennesaw State University. She dedicates her time to volunteering with the Georgia Tumor Registrars Association and NCRA. Broome is the chair of NCRA's National Cancer Registrars Week (NCRW) Committee and serves as an active member of several other NCRA committees, including Informatics, Ethics, and Membership,

Kelly Merriman, MPH, PhD, ODS-C

Dr. Kelly Merriman has been employed at MD Anderson Cancer Center for the last 30 years and is the Director of the Tumor Registry Department. She has published extensively with clinical faculty using tumor registry data, authoring over 25 articles. Merriman led a subset of NCRA's Informatics Committee members in publishing a manuscript entitled "Evolution of the Cancer Registrar in the Era of Informatics" in JCO Clinical Cancer Informatics in 2021. Merriman attended Colorado State University in Pueblo, CO. She completed a BS with concentrations in both Biology and Chemistry. Merriman obtained her Doctorate in Epidemiology at UT School of Public Health after working with her Master's in Public Health in HIV/AIDS research. Merriman is the chair of the NCRA Informatics Committee and is actively involved with the Texas Cancer Registry Advisory Committee, serving as past chair.

RESOURCES

NCRA's cancer registry textbook – *Cancer Registry Management Principles and Practice for Hospitals and Central Registries, Fourth Edition* (www.ncra-usa.org/textbook) – is the recommended resource. Students are encouraged to read these key chapters before beginning the coursework for the *NCRA Data Management Badge*.

Section Three: Data Aggregation and Quality

Chapter 12. Central Registry Functions and Data Processing

Chapter 13. Data Standards and Standardization

Chapter 14. Ensuring Data Quality

Chapter 15. Quality Improvement

Chapter 16. Quality Organizations

Chapter 17. National Data

Section Four: Uses of Cancer Registry Data

Chapter 18. Statistics and Epidemiology

Chapter 19. Registry Research

Chapter 20. Cancer Registry Data and the Impact on Public Health

LEARNING OBJECTIVES OF THE EIGHT MODULES

Introduction to the Knowledge-Based Data Management Badge

Module 1: Database 101: Back to Basics
Ronda Broome, MSHMI, MS, ODS-C

- Review key terminology related to databases and database management.

- Outline key concepts, such as Health Level Seven (HL7), Fast Healthcare Interoperability Resources (FHIR), and Natural Language Processing (NLP).

- Discuss workflow management and importance in cancer registry data.

Module 2: Examine and Maintain the Database
Ronda Broome, MSHMI, MS, ODS-C

- Present important concepts for maintaining the database.

- Recognize both hardware and software considerations.

- Define cancer registry software components.

Module 3: Informatics and the Cancer Registrar
Ronda Broome, MSHMI, MS, ODS-C

- Define informatics.

- Review the impact of informatics in the cancer registry.

- Identify ways to embrace informatics in the cancer registry.

Module 4: Ensuring Data Quality
Kelly Merriman, MPH, PhD, ODS-C

- Examine the ways to ensure data accuracy.

- Review the meaning of timeliness in relationship to cancer registries.

- Explore how completeness adds to data quality of the registries.

Module 5: Reporting Our Data: Data Submissions
Kelly Merriman, MPH, PhD, ODS-C

- Review the history of cancer reporting.

- Examine who, what, when, and how data should be submitted.

- Observe how data is submitted to a central registry.

Module 6: Reporting Our Data: Data Outputs
Kelly Merriman, MPH, PhD, ODS-C

- Describe national quality-related organizations involved in developing care guidelines, quality measures, and consensus statements and how cancer registry data is utilized.

- Explore Commission on Cancer's (CoC) Quality Measures.

- Examine a Cancer Quality Improvement Program (CQIP) Report with live data.

- Define the American Society of Clinical Oncology's Quality Oncology Practice Initiative (QOPI).

Module 7: Managing Data Requests
Kelly Merriman, MPH, PhD, ODS-C

- Understand the difference between Operational and Research requests.

- Understand the importance of Institutional Review Boards (IRB), confidentiality, and the Health Insurance Portability and Accountability Act (HIPAA).

- Review best practices for managing data requests.

Module 8: Cancer Registry Data's Impact on Public Health
Kelly Merriman, MPH, PhD, ODS-C

- Define the value of cancer registry data in regards to public health.

- Define public health and epidemiology.

- Explore how major organizations have used registry data in cancer prevention, control, and reporting.