POPULATION HEALTH DATA AND ANALYTICS
CENTRE OF EXCELLENCE

CURRICULUM

Consumer	Storyteller	Editor	Creator	Wrangler
A "Consumer" is a user of intelligence and insight products, who needs to understand how use them effectively, and how to make evidence-based decisions.	A "Storyteller" is a person who provides the translation of data and analytical assets into intelligence and insight products for "Consumers".	An "Editor" is a person who quality checks the base data, and has the necessary skills to discern when adjustments are required to both data and processes.	A "Creator" is a person who creates complex analytical assets from base data.	A "Wrangler" is a person who manages the data and tool platform on which all analytical assets and products are created

Level 4

Consumer	Storyteller	Editor	Creator	Wrangler
◆ Leadership in Population Health Management	◆ Building Interactive Web Apps from R	◆ A/B Testing	◆ Unsupervised Learning & Black Box	◆ Distributed Storage (Hadoop)
		◆ Advanced Data Cleanse & Transformation	◆ Model Evaluation & Data Lineage	◆ Infrastructure Management

Level 3

Consumer	Storyteller	Editor	Creator	Wrangler
◆ Care Coordination Centres	◆ GitHub	◆ Quality Assurance	◆ Impactability	◆ Database Management
	◆ Population Health Profiles	◆ Assessing Data Quality	◆ Non-Linear Time Series	◆ Population Health Management Platforms

Level 2

Consumer	Storyteller	Editor	Creator	Wrangler
◆ Intelligence Functions	◆ Custom Data Visualisation	◆ Retrieving Unstructured Data	◆ Risk Stratification	◆ Data Ethics
	◆ Confidence Levels	◆ Scripting Languages	◆ Financial & Actuarial Costing	◆ Open Architecture Platforms
	◆ Configure BI tools and Data Presentation	◆ Cross-Systems	◆ Evaluation of PHM Interventions	◆ Data Types
		◆ Querying & Transforming Structured Data	◆ Linear Machine Learning	
			◆ Inference Testing	

Level 1

Consumer	Storyteller	Editor	Creator	Wrangler
◆ Logic Modelling	◆ Drag and Drop Processing	◆ Accessing Structured Data	◆ Advanced Maths	◆ Data Governance
◆ Health Systems	◆ Cloud Optimisation	◆ Manual Manipulation	◆ Segmentation	
◆ Workforce Requirements		◆ Mathematical Algorithms	◆ Gap Analysis	
◆ Critical Thinking			◆ Distributed Processing	

Steps within the Population Heath Management Implementation Cycle

Understanding Population Health and Care	Opportunity Analysis and Targeting	Predictive System Modelling	Design and Implement Interventions	Active Monitoring and Rapid Improvement