

PCSI 2013 Casemix School - “Design and Implementation of Activity Based Funding”, Curriculum Outline – October 3rd version

Monday	Tuesday	Wednesday	Thursday	Friday
<p>Student check-in (8:30 to 9:00)</p> <p>School Opening (09:00 – 09:15)</p> <ul style="list-style-type: none"> • Course logistics and overview of week • Faculty introductions 	<p>Hands-on Analytic Methods II (09:00 – 12:30)</p> <ul style="list-style-type: none"> • Linear regression <ul style="list-style-type: none"> ○ Definition and model assumptions ○ Transformations ○ Influential observations ○ Outliers ○ Model assessment ○ Applications in ABF 	<p>ABF Design and Implementation II (09:00 - 12:30)</p> <ul style="list-style-type: none"> • Setting cost weights • Long and short stay trimming • Outlier policy and payment • Adjustments for input price variation and other factors that affect costs • Exclusions and special payment policies for certain services and providers • Setting base rate • Using pricing to incent behaviour changes • Setting prices in a mixed public and private provider system • Exclusion and exceptions • Updating the cost weights, base rate, and adjustment factors 	<p>Monitoring and Evaluation of ABF (09:00 – 10:30)</p> <ul style="list-style-type: none"> • Changes in case mix, efficiency, cost, length of stay, quality, readmissions • Changes in medical record documentation • Coding accuracy, upcoding, and DRG creep • Quality of care, risk selection, cost shifting • Strategies for detection, measurement, and management 	<p>Hands-on Analytic Methods IV (09:00 – 12:15)</p> <ul style="list-style-type: none"> • Logistic regression <ul style="list-style-type: none"> ○ Definition and model assumptions ○ Sensitivity, specificity, ROC curves ○ Applications in ABF • Population health and risk adjustment
<p>Activity Based Funding – Intro & Overview (09:15 – 10:45)</p> <ul style="list-style-type: none"> • Definition and basic mechanics of ABF • Comparison with other funding mechanisms • Financial Incentives • Historical background and evolution • EuroDRG Project 			<p>Managing a Hospital Under ABF (10:45 – 12:30)</p> <ul style="list-style-type: none"> • Scrutiny of prices and inequities in payment • Patient-level costing • Identifying and managing inefficiencies • Negotiating payment for exception cases 	<p>School Closing (12:15 – 12:30)</p> <ul style="list-style-type: none"> • Course evaluation • Closing remarks
<p>Casemix Classification Systems (11:00 – 12:30)</p> <ul style="list-style-type: none"> • Design principles • Age and complexity/severity adjustments • Update cycle • Clinician and other stakeholder input • Diagnosis and procedure primary classification systems • Adapting DRG system from another country • Population health and risk adjustment • Population "fair shares" analysis 			<p>Lunch (12:30 – 13:15)</p>	<p>Lunch (12:30 – 13:15)</p>
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<p>Hands-on Analytic Methods I (13:15 –17:00)</p> <ul style="list-style-type: none"> • Exploratory data analysis <ul style="list-style-type: none"> ○ Descriptive statistics ○ Graphs and plots ○ Intro to R software • Decision tree modeling <ul style="list-style-type: none"> ○ CART, CHAID algorithms ○ Intro to KnowledgeStudio ○ Applications in ABF • Assessment of DRGs <ul style="list-style-type: none"> ○ Cost homogeneity ○ Clinical homogeneity ○ Stability ○ Transparency and simplicity 	<p>ABF Design and Implementation I (13:15 – 17:00)</p> <ul style="list-style-type: none"> • Broad concepts of financing and ABF • Expenditure control and demand management <ul style="list-style-type: none"> ○ Two-part tariffs; volume caps • Fixed/variable, average/marginal costs and pricing • Paying for specialized care, teaching, research, innovation and new technologies, appropriate levels of care • Private versus public provision • Paying for quality • Speed of implementation and transition funding • Tracking of volumes and expenditures • Price negotiations with providers • Bundling and unbundling • Resources to build and operate an ABF system 	<p>Financial Information & Patient-Level Costing (13:15 –17:00)</p> <ul style="list-style-type: none"> • Bottom-up costing and top-down costing • Charter of accounts and standardization <ul style="list-style-type: none"> ○ Variations across countries • Cost buckets • Workload measurement systems • Allocation methods • Common issues and challenges of implementation • Accuracy, representativeness, and completeness • Identifying and handling anomalous cost data • Adapting case-cost data from another country 	<p>Hands-on Analytic Methods III (13:15 –16:30)</p> <ul style="list-style-type: none"> • Cost weight calculation <ul style="list-style-type: none"> ○ Setting trim points ○ Inlier and outlier weights • Setting base rates and adjustment factors • Standardization <ul style="list-style-type: none"> ○ Casemix standardization ○ Standardized mortality ratios 	<p align="center">No classes – school is closed</p>

Morning and Afternoon Tea at ~10:30 and ~15:30