

<b>Goal: To facilitate the transition of the Region 4 NBS by MS/MS project from a regional to a national and international project</b>					
<b>Objective 1. Facilitate the participation of states from other regions in the Region 4 NBS by MS/MS project.</b>					
<b>Steps/Activities</b>	<b>Participant (s)</b>	<b>Time Frame</b>	<b>Resources</b>	<b>Outcome(s)/Result(s)</b>	<b>Data Source</b>
1. Data collection (true positive cases, %iles normal population, cutoff values)	All	06/2007-12/2012	Website	Establishment and validation of disease ranges and cutoff ranges	Monthly updates
1. Recruitment of new national and international participants	Rinaldo	06/2007-12/2011	NCC, Regional collaboratives, APHL & ISNS meetings	Collection of at least 50 cases of each condition included in ACMG/HRSA panel	Case posting on website
2. Training course at Mayo	Rinaldo	2007-2012	BGL laboratory and personnel	Improvement of post-analytical interpretive skills, familiarity with project tools	Feedback provided by attendees
3. Data entry and processing	Rinaldo, TBN	2007-2009	Dedicated FTE	More efficient data entry, creation of additional reports	Feedback provided by participants
3. Custom creation of dedicated software	Rinaldo, Steven Monk (MRCF), Jean-Pierre Kocher (MBU)	2007-2009	Mayo Research Computing Facility (MRCF) and Mayo Bioinformatics Unit (MBU)	Web-based software for direct data entry by participants	Feedback provided by participants
3. Revision and improvements of dedicated software	Rinaldo, Steven Monk (MRCF), Jean-Pierre Kocher (MBU), all participants	2009-2012	Mayo Research Computing Facility (MRCF) and Mayo Bioinformatics Unit (MBU)	Improvement of web-based software based on feedback of users	Feedback provided by participants
4. Comparison of performance metrics	All	2007-2012	Website, conference calls, face to face meetings	Definition and validation of targets of adequate performance	Monthly updates, anonymized reports
5. Conference calls and meeting	Cameron, Rinaldo	2007-2013	MPHI administrative support	Discussion of issues relevant to the project	Feedback provided by participants
6. Clinical validation of 2 <sup>nd</sup> tier tests	Rinaldo	2007-2013	BGL laboratory and personnel	Improvement of performance metrics	Changes to cutoffs, testing algorithms, and

					reporting practices
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