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Why audit the labs?

As clinical trial sponsor, DAIDS must oversee laboratory operations to ensure (with some level of confidence) that test results generated from all participating laboratories are accurate, reliable and auditable.

- Protect the integrity of our clinical trial data
- Protect the safety of our trial participants

Audits help ensure that laboratories participating in DAIDS funded and/or sponsored clinical trials:

- Comply with FDA Regulatory Requirements.
- Conduct laboratory operations in accordance with GCLP guidelines.
- Follow network/protocol required Specimen Management and Shipping Instructions and required study specific laboratory procedures.



Who performs the audits?

- Some audits are performed by DCLOT personnel (Joe Fitzgibbon, Mike Ussery, Neal Wetherall).
- Most labs are audited by a DAIDS contractor.
- Until recently the contractor was PPD, but Westat won the contract in the last recompetition. Westat sub-contracts with FHI360 for the lab audits. Most audits will now be done by FHI360.



Will the audits change with the new contractor?

- The audits should not differ substantially from the PPD audits.
- Labs will be audited using the same GCLP standards as PPD used.
- Audit shells (checklists) will be the same as the ones used by PPD.
- Personnel will change. Labs will be contacted by FHI360 personnel to schedule the audit.
- > Allan Levesque, FHI360 Laboratory Support Manager
- ALevesque@fhi360.org

Which labs are audited?

- Non-US clinical labs performing testing for DAIDSsponsored trials are audited annually.
- In general, CLIA certified clinical labs in the US are not audited. By US law, they must operate under CLIA guidelines and they are audited by CAP every 2 years. These labs may be audited if warranted.
- US labs that are not CLIA certified (PBMC processing labs) can be audited annually (HVTN).
- CAP accredited clinical labs outside the US are not audited by DAIDS in the same year that they receive a CAP audit.



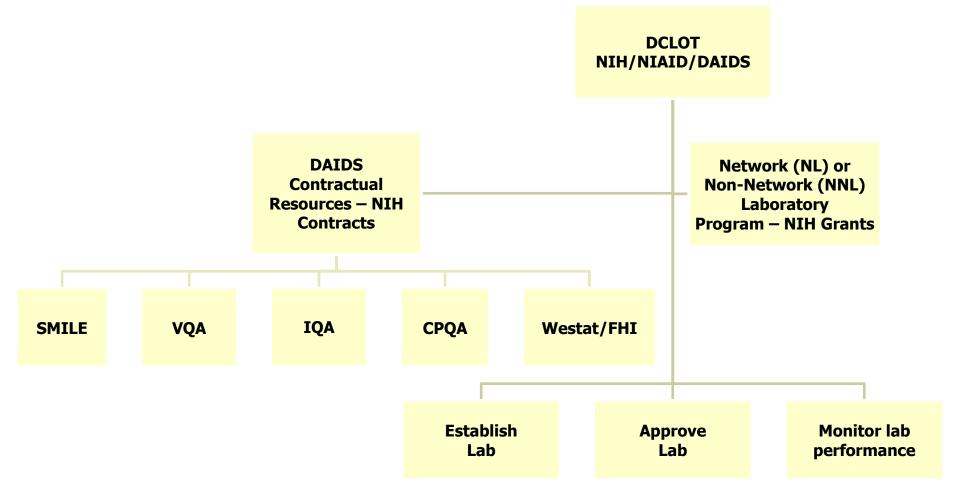


Who: DAIDS staff involved in clinical lab monitoring (Vaccine, Therapeutics, Prevention) Each clinical trial network has a designated DCLOT POC

Mission: To develop, evaluate, coordinate, communicate, and oversee the implementation of harmonized DAIDS clinical lab-related guidelines, standards, and requirements for determining the readiness and on-going ability of clinical labs to participate in DAIDS funded and/or sponsored clinical studies.







June 2012

hit/AIDS Network Coordination

Communication Plan for Lab Audit Reports and SMILE Action Plans – non U.S.

Step	Group	Action	Communication	Timeline
1	DAIDS Point-of-Contact (POC)	Requests audit & confirm distribution list	PPD	
2	PPD	Emails site to set up audit visit	Notify distribution list when dates set	
3	PPD	Completes audit visit	Sends PPD report to distribution list	4 weeks
4	SMILE	Writes up audit action plan (AP)	plan (AP) Sends audit AP to DAIDS POC and includes the site's email distribution list	
5	DAIDS POC	teviews PPD report and AP for Sends AP to all NLs involved liscrepancies, issues, or problems.		3 days
6	Network Labs and DAIDS POC	Each NL & DAIDS POC review the report and AP, focusing on itemsNLs and DAIDS POC identify critical action items and forward this information, along with any suggestions and queries relevant to the AP to DAIDS POC		No later than 10 working days
7	DAIDS POC	Responds to suggestions and queries from NLs and finalizes the audit AP	Forwards the final AP and audit report to distribution list, including the site/lab, using email list provided by SMILE	3 days
8	SMILE	Uploads AP to <u>www.psmile.org</u> . AP posted becomes the AP of record		1 day
9	Site Lab	Confirms receipt of audit AP; Response from the site goes to DAIDS POC, SMILE, and reviews the PPD report and audit AP, the NLs involved at the site provides a timeline for response the NLs involved at the site		2 weeks
10	NL	Reviews reasonableness of proposed Responds to the site lab with finalized completion dates, completion dates, emphasizing the and copies the distribution list nore critical items		2 weeks
11	Site/SMILE/NL/DAIDS POC	Communicate updates to SMILE periodically so that the pos		As quickly as possible and appropriate
12	SMILE	Updates AP of record according to communications and interactions with site/NL/DAIDS POC	Post updates to psmile.org	
13	SMILE	Closure	Sends notices of audit AP closure and completed audit AP to distribution list	

· Some program officers ask the site to send feedback to SMILE; others ask the site to work with their Primary Network Laboratory

- Note: NL=Network Lab; AP = Action Plan; POC = Point-of-Contact
- Distribution list = DAIDS POC, NL, site/lab, SMILE (site primary and backup coordinators)

Pre-Audit Activities

- **Steps 1-2**
 - Each quarter, contractor sends DCLOT POCs tentative audit list.
 - POC's meet to finalize audit list and distribution list for each audit (sometimes requires NL input).
 - Return final list to contractor.
 - Contractor (or DCLOT) contacts site lab personnel to set up the audit visit.
 - Notifies distribution list when dates are set.



Audit Activities

- Step 3
 - Contractor (or DCLOT) performs the audit using GCLP audit shell.
 - Audit Procedures:
 - Pre-audit meeting. Explain process.
 - Audit (usually 2-3 days)
 - Post-audit outbriefing with explanations of major findings.
 - Auditor writes up report.
 - Sends to distribution list.





- Steps 4-8
 - Report to SMILE for Action Plan.
 - DCLOT POCs send AP to all NL involved.
 - DCLOT POCs and NLs review AP and mark important items (red items).
 - DCLOT POC forwards final AP and audit report to the lab and distribution list.

SMILE uploads audit report and AP to www.psmile.org





- **Steps 9-13**
 - Site lab confirms receipt of report and AP and provides timeline for response.



- SMILE, NL and DCLOT work with site lab to resolve and close findings.
- SMILE posts AP updates to www.pSMILE.org.
- When all items are resolved, SMILE sends notice of completed audit AP to distribution list.





Action Plan Example

	Key Siriraj Hospital - Clinical Pathology Lab								
Comp	plete			Siriraj Hospira - Clinical Pathology Lab Bangkok, Thailand IMPAACT					
In Pro	ogress				IMPAACI				
Status Unknown			SMILE comments in BLUE.	Created:09 February 2012 By Omar Dualeh					
Conti	ontingent, critical items		Site comments in RED.	DAIDS Lab Audit: 9 January 2012					
	SUB- SECTION	OBSERVATION / FINDING	SUGGESTED ACTION	HISTORY	REVIEWER COMMENTS	STATUS & DATE COMPLETED			
SECTION III- TESTING FACILITIES OPERATION									
1	III.B.3	Standard Operating Procedures SOP was 6 months overdue for annual review.	Review and update Specimen rejection SOP CP-00-3-042-06.To be checked next audit.			Complete			
2	III.E.	Annual laboratory SOPs review - Annual review of SOPs documentation.	DAID and SMILE suggests the lab may attach a sheet at the end of the SOP reflecting annual review and no changes were made. Submit copy of the sheet to Smile.			Complete			
IV- VERIFICATION OF PERFORMANCE SPECIFICATIONS									
3	IV.B.	Analytic Accuracy/Precision – There was no plan established specifying larget value for analytical verification of Chemistry and Hernatology	The Lab must have a clear validation plan for establishing targets values in Chemistry and Hematology. Notify SMILE when complete.		Critical for IMPAACT	Complete			
4	IV.C.	Analytic Precision - Chemistry did not have precision data.	Document precision testing on all protocol analytes that have manufacturers' package inserts with precision specifications. For those that do not have precision create documentation to indicate that it is not required. Submit results to SMILE when completed.		Critical for IMPAACT	Complete			
5	IV.D.	Analytic Measurement Range — Laboratory did not verified or established and documented analytic measurement range (linearity)	Please work with the SMILE to determine the requirements and establishing of analytical measurement range (linearity)		Critical for IMPAACT	Complete			
6	IV.G.	Reference Intervals – Siriraj is in the process of establishing Thai reference ranges. Using manufacturer's ranges for now.	Work with PNL to meet reference range requirements. Notify SMILE when complete.			Complete			
	VII- QUALITY MANAGEMENT								
7	VII. 4,5	Corrective and Preventive Action (CAPA)— Auditor Did not see any CAPAs produced or monitored during the past year.	Develop policy and documentation for recording all out-of-range results and the corrective action performed. Submit to SMILE when completed.		Critical for IMPAACT	Complete			
	VIII- EQUIPMENT								
8	VIII. D, 13	Pipettors Calibration The auditor observe that Pipettors are calibrated once per year	DAIDS recommends a minimum of twice a year.		Item was on last audit.	Complete			
9	VIII. D, 18	Timers: The auditor observe that timers were verified annually.	DAIDS requires verification of all timers every six months. Site needs to implement policy and documentation for verification of all timers used in protocols. This includes timers on equipment such as centrifuges. Informed SMILE when completed.		ltem was on last audit.	Complete			



Errors on Audit Reports

- Occasionally found after the report is written and the AP is developed.
- Once the item is on the AP, the best (and quickest) way to resolve the issue is to provide documentation to SMILE and have the item turned green on the AP.



Action Plan Anxiety

- Remember, the Action Plans are a tool to help capture your comments and progress regarding audit observations.
- > They are meant to help you organize your efforts.
- SMILE is also there to help. Make use of your SMILE contacts. They can provide many helpful hints. The SMILE website, <u>www.pSMILE.org</u> is an open resource with a vast amount of information without required log-in permission.
- Staff at a network site can gain access to individual laboratory information and performance by requesting access through the "contact us" tab.
- Please do not hesitate to contact SMILE, Network laboratory managers or DAIDS if you need further guidance.







- DAIDS Contractual Resources
- Network Lab Program
- Site Laboratory

