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Critical Database Support

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Building on Data in dbGaP

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dbGaP Captures Existing Phenotype Investment As Is

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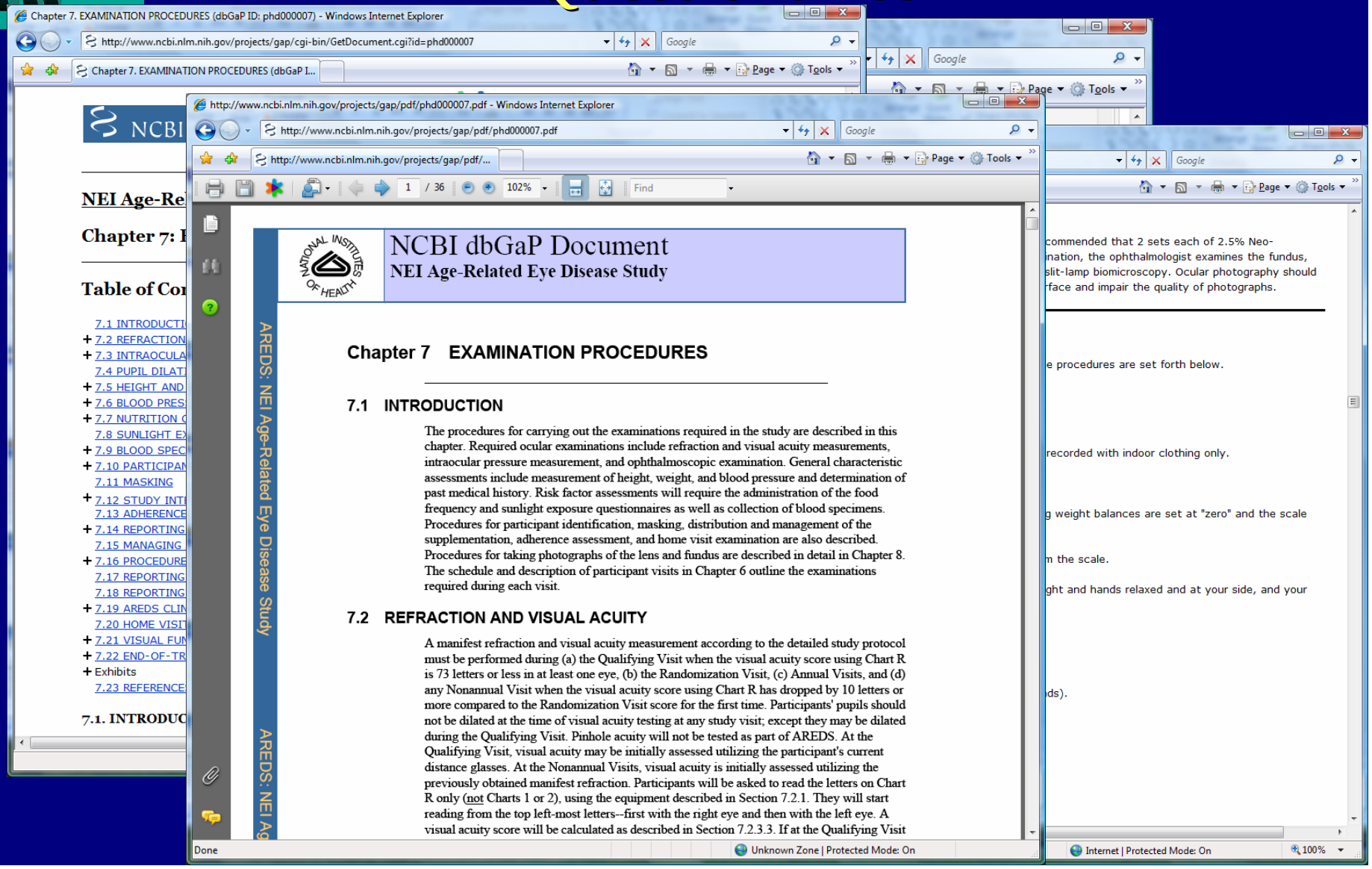
Original Semantics in Protocols and Questionaires



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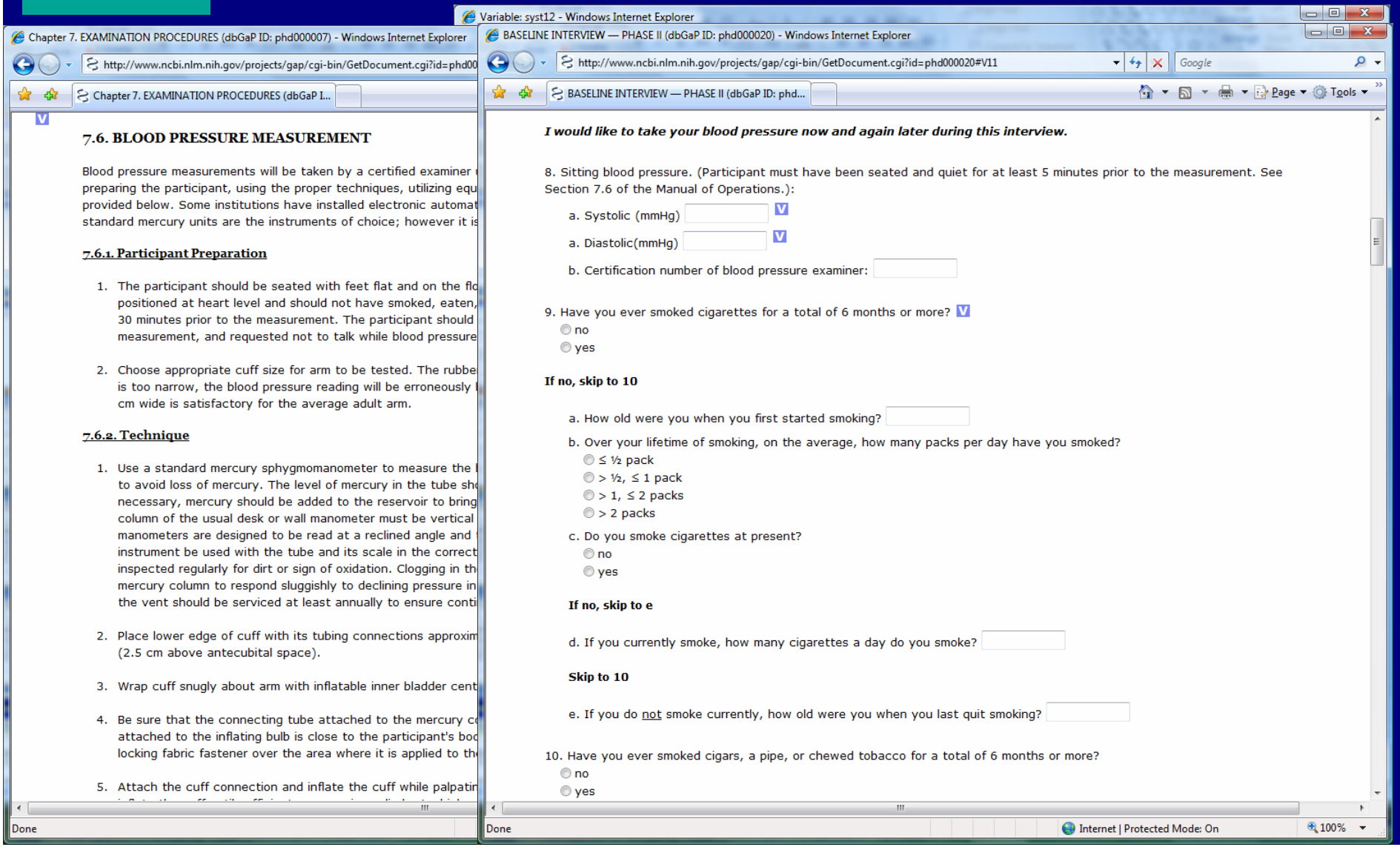
Stable Public IDs Provide A Base of Real Data For Standardized Measures



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WWW

Standards Emerge from Utility

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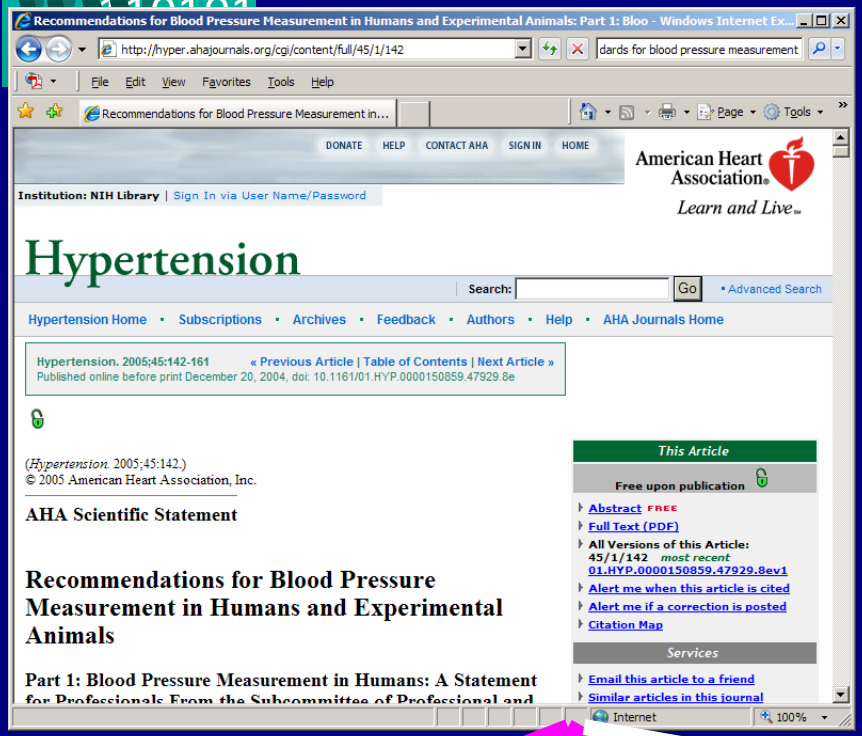
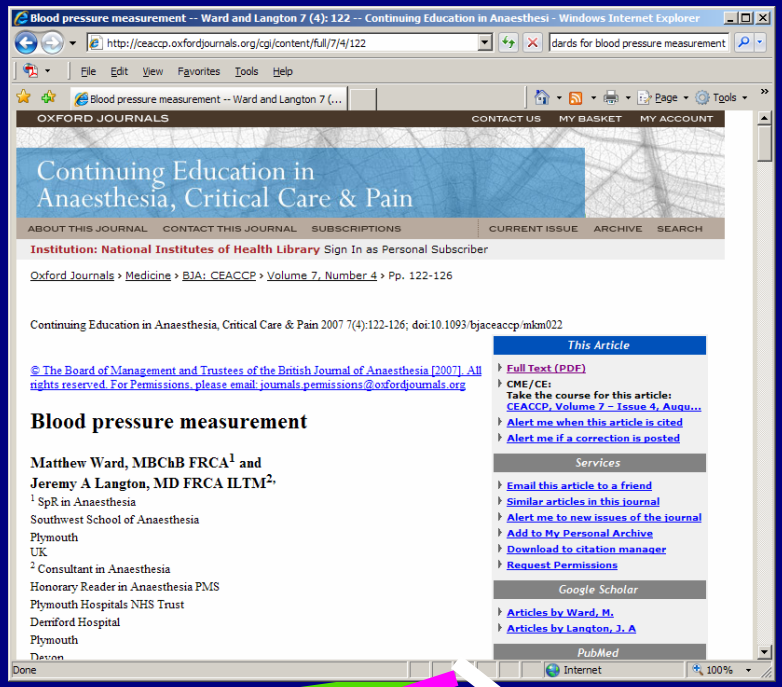
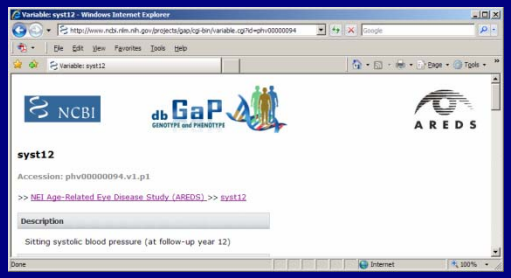
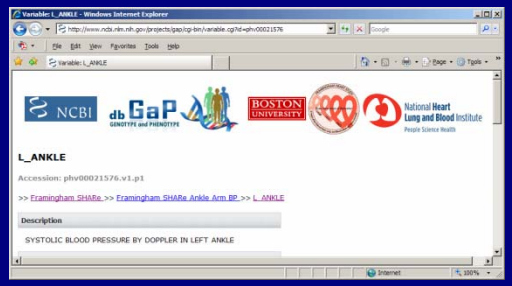
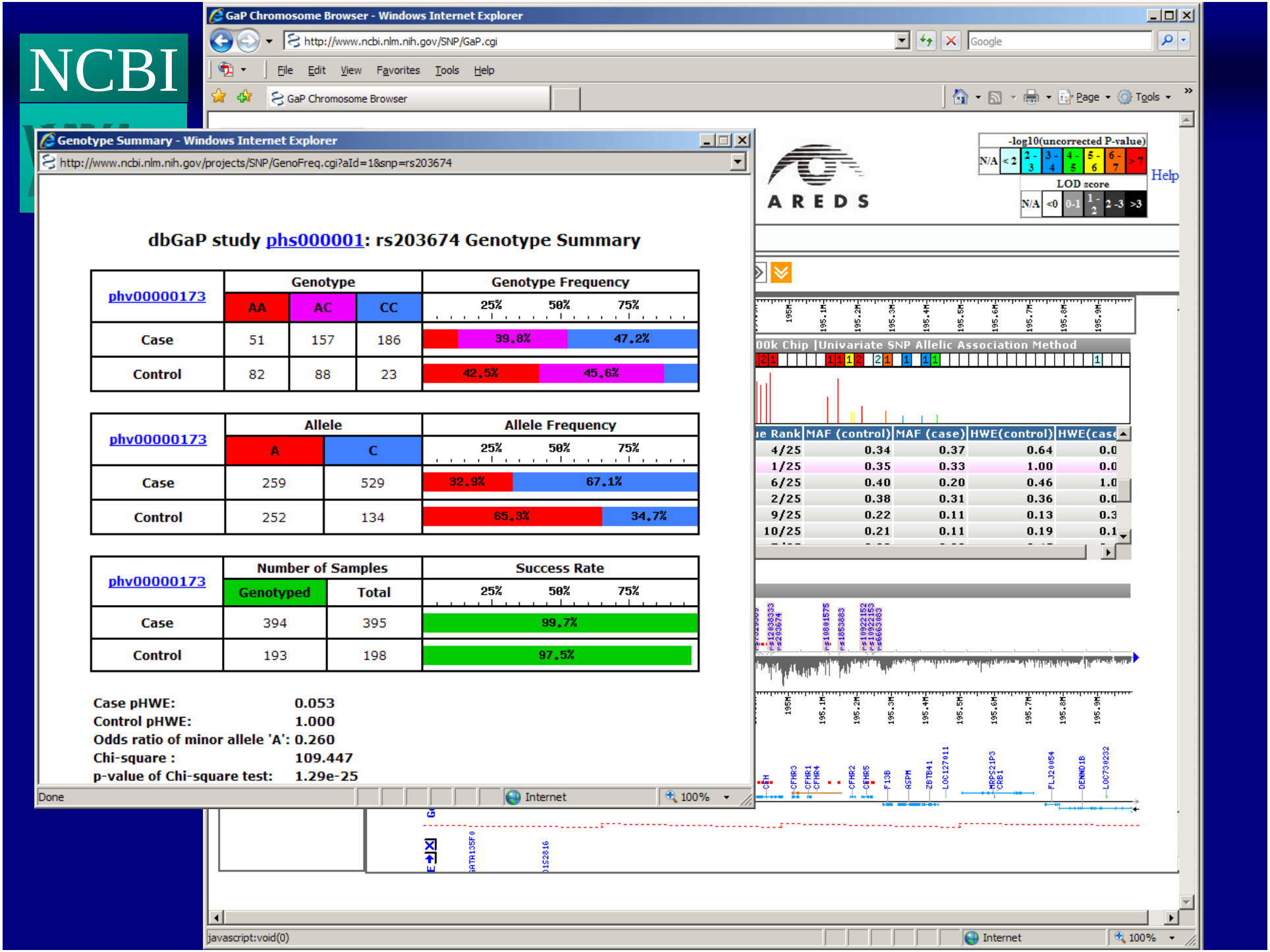
Standards Emerge from Utility







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GaP Chromosome Browser - Windows Internet Explorer
http://www.ncbi.nlm.nih.gov/SNP/GaP.cgi
File Edit View Favorites Tools Help
GaP Chromosome Browser
Page Tools
Genotype Summary - Windows Internet Explorer
http://www.ncbi.nlm.nih.gov/projects/SNP/GenoFreq.cgi?aId=1&snp=rs203674
dbGaP study phs000001: rs203674 Genotype Summary
phv00000173
Genotype
AA AC CC
Genotype Frequency
25% 50% 75%
Case 51 157 186 39.8% 47.2%
Control 82 88 23 42.5% 45.6%
phv00000173
Allele
A C
Allele Frequency
25% 50% 75%
Case 259 529 32.9% 67.1%
Control 252 134 65.3% 34.7%
phv00000173
Number of Samples
Genotyped Total
Success Rate
25% 50% 75%
Case 394 395 99.7%
Control 193 198 97.5%
Case pHWE: 0.053
Control pHWE: 1.000
Odds ratio of minor allele 'A': 0.260
Chi-square : 109.447
p-value of Chi-square test: 1.29e-25
Done
Internet
100%
AREDS
-log10(uncorrected P-value)
N/A <2 2-3 3-4 4-5 5-6 6-7 >7
LOD score
N/A <0 0-1 1-2 2-3 >3
Help
00k Chip |Univariate SNP Allelic Association Method
Rank MAF (control) MAF (case) HWE(control) HWE(case
4/25 0.34 0.37 0.64 0.0
1/25 0.35 0.33 1.00 0.0
6/25 0.40 0.20 0.46 1.0
2/25 0.38 0.31 0.36 0.0
9/25 0.22 0.11 0.13 0.3
10/25 0.21 0.11 0.19 0.1
javascript:void(0)
Internet
100%

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GaP Chromosome Browser - Windows Internet Explorer

http://www.ncbi.nlm.nih.gov/SNP/GaP.cgi

File Edit View Favorites Tools Help

GaP Chromosome Browser

NCBI dbSNP Build 127

db GaP GENOTYPE and PHENOTYPE

AREDS

-log10(uncorrected P-value)

N/A | < 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | 6 - 7 | > 7

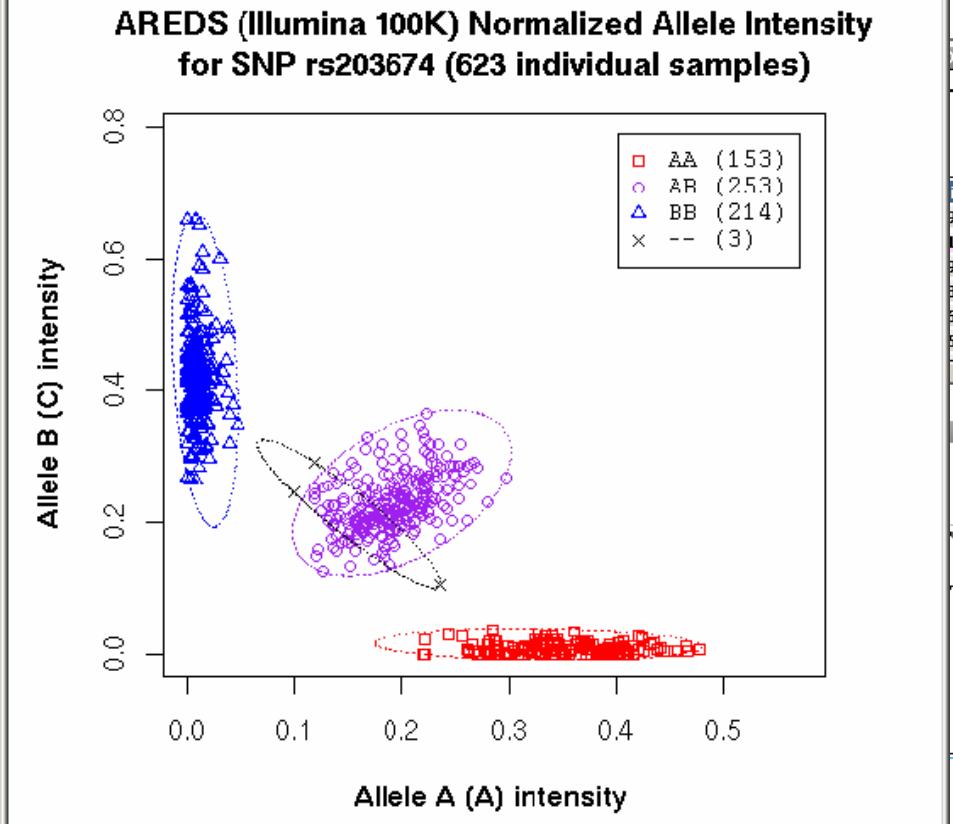
LOD score

N/A | <0 | 0-1 | 1 - 2 | 2 -3 | >3

Help

http://www.ncbi.nlm.nih.gov/projects/SNP/fetch_xy_density_plot.cgi?snp_id=203...

http://www.ncbi.nlm.nih.gov/projects/SNP/fetch_xy_density_plot.cgi?snp_id=203674&display_id=1



Reset Go

Status in Illumina 100k Chip |Univariate SNP Allelic Association Method

ition	P-value	P-value Rank	MAF (control)	MAF (case)	HWE(control)	HWE(cas
9077	2.77e-20	4/25	0.34	0.37	0.64	0.0
1248	1.29e-25	1/25	0.35	0.33	1.00	0.0
9404	8.31e-14	6/25	0.40	0.20	0.46	1.0
3223	1.08e-22	2/25	0.38	0.31	0.36	0.0
5922	2.51e-06	9/25	0.22	0.11	0.13	0.3
5933	4.87e-06	10/25	0.21	0.11	0.19	0.1

Done | Internet | 100%

javascript:void(0) | Internet | 100%

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