SUPPLEMENTARY TABLE S2.   SENSITIVITY AND SPECIFICITY, AND RECLASSIFICATION ACCORDING
TO DIFFERENT HbA1c CUTOFFS FOR DIABETES DIAGNOSIS (FPG ≥126 MG/DL)

| | HbA1c | Test characteristics | | | | | Reclassified (%) | |
		Sensitivity	Specificity	J value	PPV	NPV	Diabetes*	No diabetes[†]
All	6.2	0.601	0.965	0.566	0.461	0.980	1.9	3.3
	6.3	0.561	0.980	0.541	0.577	0.978	2.1	1.9
	6.4	0.486	0.987	0.473	0.651	0.975	2.4	1.2
	6.5	0.431	0.992	0.423	0.732	0.973	2.7	0.7
	6.6	0.375	0.995	0.370	0.772	0.970	2.9	0.5
Male	6.2	0.586	0.965	0.551	0.516	0.973	1.2	1.6
	6.3	0.543	0.979	0.522	0.624	0.971	1.4	1.0
	6.4	0.469	0.986	0.455	0.679	0.967	1.6	0.7
	6.5	0.432	0.992	0.424	0.769	0.965	1.7	0.4
	6.6	0.389	0.994	0.383	0.808	0.962	1.8	0.3
Female	6.2	0.626	0.966	0.592	0.390	0.987	0.6	1.6
	6.3	0.593	0.981	0.574	0.514	0.986	0.7	0.9
	6.4	0.516	0.989	0.505	0.610	0.983	0.8	0.6
	6.5	0.429	0.993	0.421	0.672	0.980	1.0	0.4
	6.6	0.352	0.995	0.347	0.711	0.978	1.1	0.2
NHW	6.2	0.542	0.977	0.519	0.546	0.977	1.1	1.1
	6.3	0.527	0.988	0.515	0.690	0.976	1.1	0.6
	6.4	0.443	0.993	0.435	0.753	0.972	1.4	0.4
	6.5	0.382	0.995	0.377	0.794	0.970	1.5	0.2
	6.6	0.290	0.997	0.287	0.809	0.965	1.7	0.2
NHB	6.2	0.650	0.929	0.579	0.289	0.984	0.3	1.2
	6.3	0.600	0.956	0.556	0.375	0.982	0.3	0.7
	6.4	0.525	0.968	0.493	0.420	0.979	0.4	0.5
	6.5	0.500	0.978	0.478	0.500	0.978	0.4	0.4
	6.6	0.450	0.986	0.436	0.581	0.976	0.4	0.2
MEX	6.2	0.698	0.976	0.674	0.617	0.983	0.3	0.4
	6.3	0.642	0.985	0.627	0.708	0.980	0.4	0.3
	6.4	0.547	0.992	0.539	0.784	0.975	0.4	0.1
	6.6	0.491	0.996	0.486	0.867	0.972	0.5	0.1
20–39 years	6.2	0.588	0.993	0.581	0.606	0.992	0.3	0.2
	6.3	0.529	0.999	0.529	0.947	0.991	0.3	0.0
	6.4	0.500	0.999	0.499	0.944	0.991	0.3	0.0
	6.5	0.471	1.000	0.471	1.000	0.990	0.3	0.0
	6.6	0.412	1.000	0.412	1.000	0.989	0.4	0.0
40–59 years	6.2	0.680	0.971	0.651	0.495	0.986	0.4	1.0
	6.3	0.627	0.982	0.608	0.588	0.984	0.5	0.6
	6.4	0.533	0.989	0.522	0.667	0.981	0.6	0.4
	6.5	0.467	0.993	0.460	0.745	0.978	0.7	0.2
	6.6	0.427	0.996	0.423	0.821	0.977	0.8	0.1
60–79 years	6.2	0.563	0.924	0.487	0.418	0.956	1.2	2.1
	6.3	0.535	0.953	0.488	0.524	0.955	1.2	1.3
	6.4	0.458	0.970	0.428	0.595	0.949	1.4	0.8
	6.5	0.403	0.981	0.384	0.674	0.945	1.6	0.5
	6.6	0.340	0.986	0.326	0.700	0.939	1.8	0.4

*False negative, diabetic people reclassified as not having diabetes based on HbA1c cutoff.
[†]False positive, nondiabetic people reclassified as having diabetes based on HbA1c cutoff.
  HbA1c, glycated hemoglobin; FPG, fasting plasma glucose; PPV, positive predict value; NPV, negative predict value; J value = Sensitivity + Specificity − 1; NHW, non-Hispanic white; NHB, non-Hispanic black; MEX, Mexican American.

	HbA1c	Test characteristics					Reclassified (%)	
		Sensitivity	Specificity	J value	PPV	NPV	Diabetes*	No diabetes†
All	6.2	0.186	0.973	0.158	0.247	0.961	3.6	2.5
	6.3	0.135	0.985	0.120	0.308	0.959	3.8	1.3
	6.4	0.080	0.990	0.071	0.288	0.957	4.0	0.9
	6.5	0.055	0.995	0.049	0.325	0.956	4.2	0.5
	6.6	0.038	0.996	0.034	0.321	0.955	4.2	0.4
Male	6.2	0.171	0.971	0.142	0.202	0.964	1.6	1.3
	6.3	0.133	0.984	0.117	0.264	0.963	1.7	0.7
	6.4	0.067	0.988	0.055	0.194	0.961	1.8	0.5
	6.5	0.048	0.993	0.041	0.238	0.960	1.9	0.3
	6.6	0.038	0.995	0.034	0.267	0.960	1.9	0.2
Female	6.2	0.197	0.975	0.172	0.292	0.958	2.0	1.2
	6.3	0.136	0.987	0.123	0.353	0.956	2.1	0.6
	6.4	0.091	0.993	0.084	0.400	0.954	2.2	0.3
	6.5	0.061	0.996	0.056	0.421	0.952	2.3	0.2
	6.6	0.038	0.997	0.035	0.385	0.951	2.4	0.1
NHW	6.2	0.135	0.984	0.118	0.322	0.952	2.3	0.7
	6.3	0.092	0.993	0.085	0.419	0.950	2.4	0.3
	6.4	0.050	0.995	0.045	0.368	0.948	2.5	0.2
	6.5	0.050	0.998	0.047	0.538	0.948	2.5	0.1
	6.6	0.035	0.998	0.034	0.556	0.947	2.5	0.1
NHB	6.2	0.526	0.939	0.465	0.156	0.989	0.2	1.0
	6.3	0.368	0.963	0.331	0.175	0.986	0.2	0.6
	6.4	0.263	0.973	0.236	0.172	0.984	0.3	0.4
	6.5	0.211	0.982	0.192	0.200	0.983	0.3	0.3
	6.6	0.105	0.988	0.093	0.154	0.981	0.3	0.2
MEX	6.2	0.087	0.979	0.066	0.174	0.955	0.8	0.4
	6.3	0.043	0.987	0.030	0.143	0.953	0.8	0.2
	6.4	0.043	0.993	0.037	0.250	0.953	0.8	0.1
	6.6	0.022	0.997	0.018	0.250	0.952	0.8	0.1
20–39 years	6.2	0.118	0.994	0.112	0.154	0.992	0.3	0.2
	6.4	0.000	0.999	−0.001	0.000	0.991	0.3	0.0
40–59 years	6.2	0.140	0.975	0.115	0.154	0.972	0.9	0.8
	6.3	0.123	0.985	0.108	0.212	0.972	0.9	0.5
	6.4	0.088	0.991	0.079	0.250	0.971	1.0	0.3
	6.5	0.053	0.995	0.047	0.250	0.970	1.0	0.2
	6.6	0.035	0.997	0.032	0.286	0.969	1.0	0.1
60–79 years	6.2	0.209	0.941	0.149	0.301	0.907	2.4	1.5
	6.3	0.153	0.966	0.120	0.357	0.903	2.6	0.8
	6.4	0.086	0.977	0.063	0.311	0.897	2.8	0.6
	6.5	0.061	0.986	0.048	0.357	0.896	2.8	0.3
	6.6	0.043	0.989	0.032	0.333	0.894	2.9	0.3

*False negative, diabetic people reclassified as not having diabetes based on HbA1c cutoff.
†False positive, nondiabetic people reclassified as having diabetes based on HbA1c cutoff.
HbA1c, glycated hemoglobin; FPG, fasting plasma glucose; PPV, positive predict value; NPV, negative predict value; J value = Sensitivity + Specificity − 1; NHW, non-Hispanic white; NHB, non-Hispanic black; MEX, Mexican American.

SUPPLEMENTARY TABLE S4. SENSITIVITY AND SPECIFICITY, AND RECLASSIFICATION ACCORDING TO DIFFERENT HbA1c CUTOFFS FOR DIABETES (FPG ≥126 MG/DL AND/OR 2-HR GLUCOSE ≥200 MG/DL)

	HbA1c	Test characteristics					Reclassified (%)	
		Sensitivity	Specificity	J value	PPV	NPV	Diabetes*	No diabetes†
All	6.2	0.400	0.973	0.373	0.594	0.942	5.4	2.5
	6.3	0.355	0.985	0.340	0.707	0.939	5.9	1.3
	6.4	0.290	0.990	0.280	0.751	0.933	6.5	0.9
	6.5	0.249	0.995	0.243	0.819	0.930	6.8	0.5
	6.6	0.212	0.996	0.208	0.846	0.927	7.2	0.4
Male	6.2	0.423	0.971	0.394	0.614	0.938	2.9	1.3
	6.3	0.382	0.984	0.366	0.723	0.935	3.1	0.7
	6.4	0.311	0.988	0.299	0.741	0.928	3.4	0.5
	6.5	0.281	0.993	0.274	0.824	0.926	3.6	0.3
	6.6	0.251	0.995	0.246	0.859	0.923	3.7	0.2
Female	6.2	0.372	0.975	0.347	0.568	0.945	2.6	1.2
	6.3	0.323	0.987	0.310	0.686	0.942	2.8	0.6
	6.4	0.265	0.993	0.257	0.766	0.938	3.0	0.3
	6.5	0.211	0.996	0.206	0.810	0.934	3.3	0.2
	6.6	0.166	0.997	0.163	0.822	0.930	3.4	0.1
NHW	6.2	0.331	0.984	0.315	0.692	0.930	3.4	0.7
	6.3	0.301	0.993	0.294	0.820	0.928	3.5	0.3
	6.4	0.239	0.995	0.234	0.844	0.922	3.8	0.2
	6.5	0.210	0.998	0.207	0.905	0.919	4.0	0.1
	6.6	0.158	0.998	0.156	0.915	0.915	4.2	0.1
NHB	6.2	0.610	0.939	0.549	0.400	0.973	0.4	1.0
	6.3	0.525	0.963	0.488	0.484	0.968	0.5	0.6
	6.4	0.441	0.973	0.414	0.520	0.963	0.6	0.4
	6.5	0.407	0.982	0.389	0.600	0.961	0.6	0.3
	6.6	0.339	0.988	0.327	0.645	0.957	0.7	0.2
MEX	6.2	0.414	0.979	0.393	0.683	0.938	1.1	0.4
	6.3	0.364	0.987	0.350	0.750	0.934	1.2	0.2
	6.4	0.313	0.993	0.306	0.838	0.929	1.3	0.1
	6.6	0.273	0.997	0.269	0.900	0.926	1.3	0.1
20–39 years	6.2	0.431	0.994	0.425	0.667	0.984	0.5	0.2
	6.3	0.353	0.999	0.352	0.947	0.982	0.6	0.0
	6.4	0.333	0.999	0.333	0.944	0.982	0.6	0.0
	6.5	0.314	1.000	0.314	1.000	0.981	0.6	0.0
	6.6	0.275	1.000	0.275	1.000	0.980	0.7	0.0
40–59 years	6.2	0.447	0.975	0.422	0.573	0.959	1.4	0.8
	6.3	0.409	0.985	0.394	0.675	0.957	1.4	0.5
	6.4	0.341	0.991	0.332	0.750	0.952	1.6	0.3
	6.5	0.288	0.995	0.283	0.809	0.949	1.7	0.2
	6.6	0.258	0.997	0.255	0.872	0.947	1.8	0.1
60–79 years	6.2	0.375	0.941	0.315	0.593	0.867	3.6	1.5
	6.3	0.332	0.966	0.298	0.694	0.863	3.8	0.8
	6.4	0.261	0.977	0.237	0.721	0.851	4.2	0.6
	6.5	0.222	0.986	0.208	0.791	0.846	4.4	0.3
	6.6	0.182	0.989	0.172	0.800	0.840	4.7	0.3

*False negative, diabetic people reclassified as not having diabetes based on HbA1c cutoff.
†False positive, nondiabetic people reclassified as having diabetes based on HbA1c cutoff.
HbA1c, glycated hemoglobin; FPG, fasting plasma glucose; PPV, positive predict value; NPV, negative predict value; J value = Sensitivity + Specificity − 1; NHW, non-Hispanic white; NHB, non-Hispanic black; MEX, Mexican American.

SUPPLEMENTARY TABLE S5. SENSITIVITY AND SPECIFICITY, AND RECLASSIFICATION ACCORDING
TO DIFFERENT HbA1c CUTOFFS FOR DIABETES (FPG ≥126 MG/DL AND 2-HR GLUCOSE ≥200 MG/DL)

	HbA1c	Test characteristics					Reclassified (%)	
		Sensitivity	Specificity	J value	PPV	NPV	Diabetes*	No diabetes[†]
All	6.2	0.708	0.960	0.668	0.361	0.990	0.9	3.9
	6.3	0.685	0.975	0.659	0.467	0.990	1.0	2.4
	6.4	0.631	0.984	0.615	0.561	0.988	1.1	1.5
	6.5	0.589	0.990	0.580	0.664	0.987	1.3	0.9
	6.6	0.524	0.993	0.517	0.715	0.985	1.5	0.6
Male	6.2	0.706	0.957	0.663	0.391	0.988	0.6	2.1
	6.3	0.676	0.972	0.649	0.489	0.987	0.6	1.3
	6.4	0.647	0.982	0.629	0.589	0.986	0.7	0.9
	6.5	0.637	0.990	0.627	0.714	0.986	0.7	0.5
	6.6	0.588	0.993	0.581	0.769	0.984	0.8	0.3
Female	6.2	0.712	0.963	0.675	0.322	0.993	0.4	1.8
	6.3	0.697	0.978	0.675	0.438	0.992	0.4	1.1
	6.4	0.606	0.986	0.592	0.519	0.990	0.5	0.7
	6.5	0.515	0.991	0.506	0.586	0.988	0.6	0.4
	6.6	0.424	0.994	0.418	0.622	0.986	0.7	0.3
NHW	6.2	0.621	0.971	0.592	0.415	0.987	0.6	1.4
	6.3	0.621	0.983	0.603	0.540	0.987	0.6	0.9
	6.4	0.552	0.989	0.541	0.623	0.985	0.7	0.5
	6.5	0.506	0.993	0.499	0.698	0.984	0.8	0.4
	6.6	0.402	0.995	0.398	0.745	0.981	1.0	0.2
NHB	6.2	0.808	0.925	0.732	0.233	0.994	0.1	1.3
	6.3	0.808	0.953	0.761	0.328	0.994	0.1	0.8
	6.4	0.769	0.967	0.736	0.400	0.993	0.1	0.6
	6.5	0.731	0.977	0.708	0.475	0.992	0.1	0.4
	6.6	0.654	0.985	0.639	0.548	0.990	0.2	0.3
MEX	6.2	0.838	0.970	0.808	0.517	0.994	0.1	0.5
	6.3	0.784	0.980	0.764	0.604	0.992	0.1	0.4
	6.4	0.730	0.990	0.719	0.730	0.990	0.2	0.2
	6.6	0.676	0.995	0.670	0.833	0.988	0.2	0.1
20–39 years	6.2	0.727	0.991	0.718	0.485	0.997	0.1	0.3
	6.3	0.727	0.998	0.726	0.842	0.997	0.1	0.1
	6.4	0.682	0.998	0.680	0.833	0.996	0.1	0.1
	6.5	0.682	0.999	0.681	0.938	0.996	0.1	0.0
	6.6	0.636	1.000	0.636	1.000	0.996	0.1	0.0
40–59 years	6.2	0.864	0.965	0.828	0.369	0.997	0.1	1.2
	6.3	0.818	0.976	0.794	0.450	0.996	0.1	0.8
	6.4	0.727	0.985	0.712	0.533	0.993	0.2	0.5
	6.5	0.682	0.991	0.673	0.638	0.992	0.3	0.3
	6.6	0.659	0.995	0.654	0.744	0.992	0.3	0.2
60–79 years	6.2	0.637	0.916	0.553	0.335	0.974	0.7	2.4
	6.3	0.618	0.945	0.563	0.429	0.974	0.7	1.6
	6.4	0.578	0.966	0.545	0.532	0.972	0.8	1.0
	6.5	0.529	0.979	0.509	0.628	0.969	0.9	0.6
	6.6	0.441	0.984	0.425	0.643	0.964	1.1	0.5

*False negative, diabetic people reclassified as not having diabetes based on HbA1c cutoff.
[†]False positive, nondiabetic people reclassified as having diabetes based on HbA1c cutoff.
 HbA1c, glycated hemoglobin; FPG, fasting plasma glucose; PPV, positive predict value; NPV, negative predict value; J value = Sensitivity + Specificity − 1; NHW, non-Hispanic white; NHB, non-Hispanic black; MEX, Mexican American.