



FOR IMMEDIATE RELEASE

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Hypertension Diagnostics Announces FY 2010 Second Quarter Results

- Comparable Quarterly Revenue Increases by 234%
- Recurring Revenue Expands by 157%
- Sequential Quarterly Revenue Grows by 52%
- Six Month Revenue Improves by 178%

ST. PAUL, MN – February 19, 2010 – Hypertension Diagnostics, Inc. (OTC: HDII.OB) (www.hdii.com), today announced financial results for the second quarter (Q2) of fiscal year 2010 which ended December 31, 2009.

Revenue for Q2 2010 totaled \$458,325 compared to \$137,207 for Q2 2009 which ended December 31, 2008, which represents a 234% increase. Q2 revenue from the sale of the Company's research product used in the START sub-study on Arterial Elasticity that is examining blood vessel function and cardiovascular risk during HIV infection and funded by the National Institutes of Health (NIH) was \$106,340. As December 31, 2009, 13 of the 15 total START units have been shipped; therefore the Company does not expect any material recurring revenue from START. Q2 revenue from non-START sources was \$351,985, a 157% increase from the prior year's second quarter total revenue and a 73% increase from Q1 2010's non-START revenue of \$203,330. Total revenue for Q2 2010 increased 52% from total revenue for Q1 2010 of \$302,076.

"We are pleased by the magnitude of our second quarter sales growth, said Mark Schwartz, Chairman and CEO. For the first half of fiscal year 2010, HDI has generated 150% of the revenue generated for the entire fiscal year 2009. We are on track to have one of our best years in recent memory," continued Schwartz.

Net loss for Q2 2010 was \$233,129 or \$(.01) per share, compared to a net loss of \$191,165 for Q2 2009, or \$.00 per share. Included in the net loss for Q2 2010 are total non-cash charges (deferred compensation, depreciation, stock options expense) of \$328,817. In Q2 2009, total non-cash charges were \$92,178. Excluding deferred compensation expense, which is largely influenced by changes in the company's stock price, the Company generated non-GAAP pro-forma net income of \$126,495 for Q2.

The Company reported a cash balance on December 31, 2009 of \$1,071,822.

For the six month period which ended December 31, 2009, total revenue was \$760,400, compared to \$273,719 for the six month period which ended December 31, 2008, a 178% increase. For the six month period which ended December 31, 2009, the Company incurred a net loss of \$1,013,196 or \$(.02) per share, including a non-cash charge of \$1,171,007, compared with a net loss of \$69,560 or \$.00 per share, including a non-cash benefit of \$111,855, for the six month period which ended December 31, 2008. Excluding deferred compensation expense, the Company generated non-GAAP pro-forma net income of \$110,303 for six months which ended December 31, 2009.

About Hypertension Diagnostics, Inc.

Hypertension Diagnostics, Inc. ("HDI") manufactures and markets medical devices for early detection and management of cardiovascular disease in the U.S. and in 37 countries. Its main product, the CVProfilor® DO- 2020 CardioVascular Profiling System, has been approved by the Food and Drug Administration (FDA), and is being marketed to primary care physicians in the U.S. HDI's CardioVascular Profiling Systems non-invasively measure both large and small artery elasticity. Small artery elasticity has been shown to be predictive of cardiovascular disease. Several large pharmaceutical manufacturers have used HDI's CardioVascular Profiling Systems in their multi-site clinical research trials. There are over 300 published, peer-reviewed scientific articles and presentations on HDI's methodology, which provides evidence on the validity, accuracy and reproducibility of HDI's CardioVascular Profiling technology. The technology was developed at the University of Minnesota by a team led by world-renown cardiologist, Dr. Jay N. Cohn.

Safe Harbor Statement

Forward-looking statements in this press release are made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. The Company wishes to caution readers not to place undue reliance on any forward-looking statements and to recognize that the statements are not a prediction of actual future results. Actual results could differ materially from those presented and anticipated in the forward-looking statements due to the risks and uncertainties set forth in the Company's 2009 Annual Report on Form 10-K, and subsequent Quarterly Reports on Form 10-Q, all of which were filed with the U.S. Securities and Exchange Commission, as well as others not now anticipated.

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Hypertension Diagnostics, Inc.
Summary Financial Data

Statements of Operations

	Three Months Ended December 31		Six Months Ended December 31	
	2009	2008	2009	2008
Revenue:				
Equipment sales	\$405,590	\$96,837	\$659,825	\$178,837
Equipment rental	20,082	24,119	45,243	49,816
Warranty, parts & supplies income	32,653	16,251	55,332	45,066
	<u>458,325</u>	<u>137,207</u>	<u>760,400</u>	<u>273,719</u>
Cost of Sales	<u>43,194</u>	<u>35,639</u>	<u>75,978</u>	<u>71,786</u>
Gross Profit	415,131	101,568	684,422	201,933
Selling, general and administrative expenses	<u>650,666</u>	<u>296,096</u>	<u>1,701,507</u>	<u>281,340</u>
Operating Income (Loss)	(235,535)	(194,528)	(1,017,085)	(79,407)
Interest income	<u>2,406</u>	<u>3,363</u>	<u>3,889</u>	<u>9,847</u>
Net income (loss) before income taxes	(233,129)	(191,165)	(1,013,196)	(69,560)
Income Taxes	-	-	-	-
Net income (loss)	<u>\$(233,129)</u>	<u>\$(191,165)</u>	<u>\$(1,013,196)</u>	<u>\$(69,560)</u>
Net income (loss)	\$(233,129)	\$(191,165)	\$(1,013,196)	\$(69,560)
Deferred compensation expense	359,625	66,938	1,123,500	(162,750)
Non-GAAP Pro-forma net income (loss) (excluding deferred compensation expense)	\$126,495	\$(124,227)	\$110,303	\$(232,310)
Basic and Diluted Net Loss per Share	\$(0.01)	\$0.00	(\$0.02)	\$0.00
Weighted Average Shares Outstanding Basic & Diluted	41,217,897	40,795,820	41,095,804	40,579,411

Balance Sheet Data

	December 31, 2009	June 30, 2009
Cash and cash equivalents	\$ 1,071,822	\$ 697,918
Total current assets	1,364,855	1,022,528
Total assets	1,373,357	1,032,787
Total current liabilities	255,009	119,884
Accumulated deficit	(28,447,803)	(27,434,607)
Total shareholders' equity	(307,405)	660,041

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Website: www.hdii.com