

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
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NAME Glenn M. Chertow, MD, MPH	POSITION TITLE Professor of Medicine		
eRA COMMONS USER NAME gchertow			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Pennsylvania, Philadelphia, PA	BA	1985	Biol. Basis of Behavior
Harvard Medical School, Boston, MA	MD	1989	Medicine
Harvard School of Public Health, Boston, MA	MPH	1995	Clinical Effectiveness
Brigham and Women's Hospital, Boston, MA	Residency	1992	Internal Medicine
Brigham and Women's Hospital, Boston, MA	Fellowship	1995	Nephrology

**A. Positions and Honors.****Professional Experience:**

Instructor in Medicine, Brigham and Women's Hospital, Harvard Medical School, 1995-1997  
 Instructor in Surgery, Brigham and Women's Hospital, Harvard Medical School, 1996-1998  
 Assistant Professor of Medicine, Brigham and Women's Hospital, Harvard Medical School, 1997-1998  
 Assistant Director of Dialysis Services, Brigham and Women's Hospital, 1996-1998  
 Assistant Professor of Medicine in Residence, University of California San Francisco (UCSF), 1998-2001  
 Director of Clinical Services, Divisions of Nephrology, Moffitt-Long Hospitals and UCSF-Mt. Zion, 1998-2007  
 Associate Professor of Medicine in Residence, UCSF, 2001-05  
 Associate Professor of Epidemiology and Biostatistics, UCSF, 2004-05  
 Professor (in Residence) of Medicine, Epidemiology and Biostatistics, UCSF, 2005-07  
 Professor of Medicine & Chief, Division of Nephrology, Stanford University School of Medicine, 2007-

**Awards and other Professional Activities:**

Hewlett Packard Outstanding Medical Graduate Award, Harvard Medical School, 1989  
 American Kidney Fund-Amgen Clinical Scientist in Nephrology, 1993-95  
 Best Doctors in America 1996-, Best Doctors in Boston 1996-98, Top Doctors in Bay Area, 1999-  
 President's Award, National Kidney Foundation, 1999  
 Floyd C. Rector, Jr. Housestaff Teaching Award (UCSF), 2001  
 American Society of Clinical Investigation, 2004  
 Society of Master Clinicians (UCSF), 2006  
 National Torchbearer Award, American Kidney Fund, 2007  
 Scientific Advisory Committee, United Network of Organ Sharing, 1996-1998  
 Scientific Programs Committee, American Kidney Fund, 1997-  
 Vice-Chair, NKF K/DOQI Nutrition Work Group, 1998-2000  
 Board of Directors, TransPacific Renal Network (ESRD Network #17), 1998-2006  
 International Society of Nephrology (ISN) Commission on Acute Renal Failure, 1998-  
 NKF K/DOQI Bone and Mineral Metabolism Work Group, 2000-02  
 Associate Editor, Journal of Renal Nutrition, 2000-, JPEN Journal of Enteral and Parenteral Nutrition, 2000-03,  
 Journal of the American Society of Nephrology, 2004-07  
 Editorial Boards, American Journal of Kidney Diseases, 2000-01, Journal of the American Society of  
 Nephrology, 2002-04 & 2007-, Seminars in Nephrology, 2007-  
 Steering or Executive Committees, NIH-NIDDK, United States Renal Data System 2001-, Chronic Renal  
 Insufficiency Cohort Study 2001-, Kidney Clinical Trials Consortium 2003-05, Acute Renal Failure Trial  
 Network 2002-, Frequent Hemodialysis Network, 2004-  
 Fellow, American Heart Association (2003), American Society of Nephrology (2005), American College of  
 Physicians (2005)  
 Scientific Advisory Board, National Kidney Foundation, 2007-  
 Study Section, NIDDK D-subcommittee, 2007-

**B. Selected peer-reviewed publications (in chronological order): (from>200)**

1. Chertow GM, Milford EL, Mackenzie HS, Brenner BM. Antigen-independent determinants of cadaveric kidney transplant failure. *JAMA* 1996; 276:1732-6.
2. Chertow GM. Grafts vs. fistulas for hemodialysis patients. Equal access for all? *JAMA* 1996; 276:1343-4.
3. Chertow GM, Lazarus JM, Christiansen CL, Cook EF, Hammermeister KE, Grover F, Daley J. Preoperative renal risk stratification. *Circulation* 1997; 95:878-84.
4. Chertow GM, Lazarus JM, Lew NL, Ma L, Lowrie EG. Development of a population-specific regression equation to estimate total body water in hemodialysis patients. *Kidney Int* 1997; 51:1578-82.
5. Chertow GM, Levy EM, Hammermeister KE, Grover F, Daley J. Independent association between acute renal failure and mortality following cardiac surgery. *Am J Med* 1998; 104:343-8.
6. Owen Jr. WF, Chertow GM, Lazarus JM, Lowrie EG. The dose of hemodialysis: survival differences by race and gender. *JAMA* 1998; 280:1764-8.
7. Zenios SA, Wein LM, Chertow GM. Evidence-based organ allocation. *Am J Med* 1999; 107:52-61.
8. Lowrie EG, Chertow GM, Lew NL, Lazarus JM, Owen WF. The urea [clearance x dialysis time] product (Kt) as an outcome based measure of hemodialysis dose. *Kidney Int* 1999; 56:729-37.
9. Chertow GM, Owen WF, Lazarus JM, Lew NL, Lowrie EG. Exploring the J-shaped curve between URR and mortality. *Kidney Int* 1999; 56:1872-8.
10. Chertow GM. Leveling the 'paying' field in end-stage renal disease. *Am J Med* 2000; 108:666-8.
11. Fortescue EB, Bates DW, Chertow GM. Predicting acute renal failure after coronary bypass surgery: cross validation of two risk stratification algorithms. *Kidney Int* 2000; 57:2594-602.
12. Chertow GM, Lee J, Kuperman GJ, Burdick E, Horsky J, Seger DL, Lee R, Mekala A, Song J, Komaroff AL, Bates DW. Guided medication dosing for inpatients with renal insufficiency. *JAMA* 2001; 286:2839-44.
13. Karnik J, Young BS, Lew NL, Herget M, Dubinsky C, Lazarus JM, Chertow GM. Cardiac arrest and sudden death in dialysis units. *Kidney Int* 2001; 60:333-40.
14. Raggi P, Boulay A, Chasan-Taber S, Amin N, Dillon M, Burke SK, Chertow GM. Cardiac calcification in adult hemodialysis patients: link between ESRD and cardiovascular disease? *J Am Coll Cardiol* 2002; 39:695-701.
15. Chertow GM, Burke SK, Raggi P. Sevelamer attenuates the progression of coronary artery and aortic calcification in hemodialysis patients. *Kidney Int* 2002; 62:245-52.
16. Mehta RL, Pascual MT, Soroko SH, Chertow GM. Diuretic use, mortality and non-recovery of renal function in acute renal failure. *JAMA* 2002; 288; 2547-53.
17. Chertow GM. A 43 year-old woman with chronic renal insufficiency. *JAMA* 2004; 291:1252-9.
18. Chertow GM. Prevention of radiocontrast nephropathy: back to basics. *JAMA* 2004; 291:2376-7.
19. Chertow GM, Normand SLT, McNeil BJ. Renalism: inappropriately low rates of coronary angiography in elderly persons with renal insufficiency. *J Am Soc Nephrol* 2004; 2462-8.
20. Su X, Zenios SA, Chertow GM. Incorporating recipient choice in kidney transplantation. *J Am Soc Nephrol* 2004; 16:1656-63.
21. Block GA, Klassen PS, Lazarus JM, Ofsthun N, Lowrie EG, Chertow GM. Mineral metabolism, mortality and morbidity in maintenance hemodialysis. *J Am Soc Nephrol* 2004; 15:2208-18.
22. Go AS, Chertow GM, Fan D, McCulloch CE, Hsu CY. Chronic kidney disease and risk of death, cardiovascular events and hospitalization. *N Engl J Med* 2004; 351:1296-1305.
23. Raggi P, James G, Burke SK, Bommer J, Chasan-Taber S, Holzer H, Braun J, Chertow GM. Decrease in thoracic bone attenuation with calcium-based phosphate binders in hemodialysis. *J Bone Miner Res* 2005; 20:764-72.
24. Kurella M, Lo JC, Chertow GM. The metabolic syndrome and the risk of chronic kidney disease among non-diabetic adults. *J Am Soc Nephrol* 2005; 16:2134-40.
25. Kurella M, Kimmel PL, Chertow GM. Suicide in the United States End-stage Renal Disease Program. *J Am Soc Nephrol* 2005; 16:774-81.
26. Himmelfarb J, Chertow GM. Medicare ESRD Prospective Payment System: Weighing the evidence. *J Am Soc Nephrol* 2005; 16:1164-5.
27. Chertow GM, Burdick E, Honour M, Bonventre JV, Bates DW. Acute kidney injury, mortality, length of stay and costs in hospitalized patients. *J Am Soc Nephrol* 2005; 16:3365-3370.

28. Cunningham J, Danese M, Olson K, Klassen P, Chertow GM. Effects of the calcimimetic cinacalcet HCl on cardiovascular disease, fracture and health-related quality of life in secondary hyperparathyroidism. *Kidney Int* 2005; 68:1793-1800.
29. Gorodetskaya I, Zenios SA, McCulloch CE, Bostrom A, Hsu CY, Bindman AB, Go AS, Chertow GM. Health-related quality of life and estimates of utility in chronic kidney disease. *Kidney Int* 2005; 68:2801-2808. Johansen KL, Kutner NG, Young B, Chertow GM. Association of body size with health status among patients beginning dialysis. *Am J Clin Nutr* 2006; 83:543-548.
30. Nayeem AI, Chertow GM. Lessons for Medicare Part D in the hemodialysis community. *BMC Nephrol* 2006; 7:11.
31. Waikar SS, Curhan GC, Wald R, McCarthy EP, Chertow GM. Declining mortality in patients with acute renal failure, 1988-2002. *J Am Soc Nephrol* 2006; 17:1143-50.
32. Cho KC, Himmelfarb J, Paganini EP, Ikizler TA, Soroko SH, Mehta RL, Chertow GM. Survival by dialysis modality in critically ill patients with acute kidney injury. *J Am Soc Nephrol* 2006; 17:3132-3138.
33. Chertow GM, Soroko SH, Paganini EP, Cho KC, Himmelfarb J, Ikizler TA, Mehta RL. Mortality after acute renal failure: models for prognostic stratification and risk adjustment. *Kidney Int* 2006; 70:1120-1126.
34. Liu KD, Himmelfarb J, Paganini EP, Ikizler TA, Soroko SH, Mehta RL, Chertow GM. Timing of initiation of dialysis in critically ill patients with acute kidney injury. *Clin J Am Soc Nephrol* 2006; 1:915-919.
35. Chertow GM, Palevsky PM, Greene T. Studying the prevention of acute kidney injury: lessons from an 18<sup>th</sup> century mathematician. *Clin J Am Soc Nephrol* 2006; 1: 1124-1127.
36. Kurella M, Covinsky KE, Collins AJ, Chertow GM. Octogenarians and nonagenarians starting dialysis in the United States. *Ann Intern Med* 2007; 146:77-83.
37. Desai AD, Garber AM, Chertow GM. The rise of pay for performance ("P4P"): implications for the care of persons with chronic kidney disease. *Clin J Am Soc Nephrol* 2007; 2:1087-95.
38. Chertow GM, Pupim LB, Block GA, Correa-Rotter R, Druke T, Floege J, Goodman W, London G, Mahaffey K, Moe S, Wheeler D, Albizem M, Olson K, Klassen P, Parfrey P. EVOLVE (Evaluation of cinacalcetn therapy to lower cardiovascular events): Rationale and design of a randomized clinical trial. *Clin J Am Soc Nephrol* 2007; 2:898-905.
39. Waikar SS, Curhan GC, Ayanian JZ, Chertow GM. Race and mortality after acute renal failure. *J Am Soc Nephrol* 2007; 18:2740-8.

### C. Research Support (over past 3 years):

#### Ongoing

U01 DK-01-005 Go (PI) 9/30/2001 – 6/30/2008

NIH-NIDDK

SCORE: Study of Care and Outcomes in Renal Insufficiency (NIH CRIC Study)

The goal is to conduct a comprehensive cohort study of chronic renal insufficiency focused on progression and cardiovascular disease.

Role: Co-Principal Investigator

U01 DK-03-005 Chertow (PI) 9/30/2003 – 1/31/2008

NIH-NIDDK

FREEDOM – Frequent Dialysis Outcomes & Markers (NIH Frequent Hemodialysis Network)

The goal is to conduct a randomized clinical trial of frequent hemodialysis examining intermediate outcomes including vascular access thrombosis and infection, cardiac structure and function, control of mineral metabolism, cognitive function, and quality of life.

Role: PI

R33 DK067645 Chertow (PI) 9/30/2004 – 2/29/2008

NIH-NIDDK

"Hospital and Community-acquired Acute Renal Failure" (Principal Investigator)

The goal is to perform an evaluation of hospital-based administrative databases exploring definitions and outcomes of acute renal failure.

Role: PI

R01 DK069406 Yaffe (PI) 09/01/2005 – 08/31/2010

NIH-NIDDK

“Cognitive function in Chronic Renal Insufficiency”

The goal is to determine correlates and outcomes of cognitive impairment in patients with chronic kidney disease.

Role: Co-Investigator

R01 DK70939 Hsu (PI) 03/01/2006 – 02/28/2011

NIH-NIDDK

“CRIC-Plus”: Study of Advanced Chronic Renal Insufficiency

The goal is to investigate the health impact of advanced chronic renal insufficiency, including transition to end-stage renal disease (an ancillary study to CRIC).

Role: Co-Investigator

Contract N01-DK-7-5007 Johansen (PI) 07/01/2007 – 06/30/2014

NIH-NIDDK

United States Renal Data System (USRDS) Nutrition/Malnutrition Special Studies Center

A contract calling for multiple studies using existing data and one study of prospective data focused on understanding the obesity paradox in dialysis patients.

Role: Co-Director

#### Completed

R01 DK58411-01A1 Chertow (PI) 09/30/2001 – 08/31/2005

NIH-NIDDK

Toward the Optimal Timing of Initiation of Dialysis

Goal: To perform a comprehensive Monte Carlo simulation of alternative dialysis initiation strategies, incorporating secondary and primary data on survival, health-related quality of life, utility and costs in persons with advanced chronic renal insufficiency and end-stage renal disease.

Role: PI

N01 DK22498 Chertow (Director) 11/01/2003 – 06/30/2007

NIH-NIDDK

United States Renal Data System (USRDS) Nutrition/Malnutrition Special Studies

A contract calling for three studies using existing data and two studies of prospective data in a nationally representative cohort of hemo- and peritoneal dialysis patients, focused on nutrient intake, inflammation, and nutritional status.

Role: Director

VA Cooperative Study #530 Palevsky (PI) 05/01/2004 – 12/02/2007

Department of Veterans Affairs

Intensive vs. Conventional Renal Support in Acute Renal Failure

Goal: To conduct a randomized clinical trial of conventional vs. intensive dialysis and hemodiafiltration in critically ill patients with acute renal failure

Role: Site Director from 5/1/04 – 9/30/07