USW11
U.S. Health Care Policy

Professor Michael Chernew
Class Time: Monday and Wednesday 10:30 – 11:45
Location: CGIS South S010
Office Hours: Weds 9:15-10:15 at TBD, or by appt. at 180 Longwood Ave (medical school area)

Faculty Assistant (for all appointments w/ Dr. Chernew): Taylor Dragin: Dragin@hcp.med.harvard.edu

Teaching Fellows:

- Alice Ndikumana, andikumana@g.harvard.edu, G4 in Health Policy, Head TF
- A Jay Holmgren, aholmgren@hbs.edu, G2 in Health Policy
- Caitlin McMurtry, caitlin_mcmurtry@g.harvard.edu, G3 in Health Policy
- Daniel Prinz, dprinz@g.harvard.edu, G4 in Health Policy

Overview
This course provides an overview of the U.S. health care system and engages students in critically analyzing health policy issues. The course is focused around three complex and interdependent policy challenges that every health system must address: *ensuring access to health care, reducing costs, and improving quality*. Using an economic lens, students will grapple with the complexity of the issues, learn to analyze policy arguments and tradeoffs—critical skills for engaging constructively as informed citizens in a wide range of policy debates.

Learning objectives
By the end of this course, students should be able to:

- Articulate why health care is a public policy issue
- Broadly understand the U.S. health care system—its institutions, actors, market dynamics and policy drivers
- Analyze how health care policy proposals will affect health care access, costs, and quality, including distributional consequences (winners and losers)
- Evaluate policy arguments, including empirical claims
- Use an economic lens to frame policy choices in terms of tradeoffs
- Contribute in an informed and productive way to current and future health policy debates

What Makes This a Gen-Ed Course?
The critical questions raised in health care policy—questions about tradeoffs between economic efficiency and social objectives, about improving performance of public programs and private markets, about distributional effects and political forces—share common features with many of today's toughest policy challenges. The course is intended for students who are interested in US healthcare policy and especially those who may pursue a career in medicine, science, law and business. Through discussions of these issues, students will develop the ability to think critically about one of the most pressing policy dilemmas of our time, strengthening their ability to lead and engage in a meaningful way with this and other policy debates after their time at Harvard. While this course adopts an economic lens for

understanding policy issues, it is not a health-economics course. A particular focus of the course will be evaluating empirical claims made in policy debates; through the critical examination of evidence students will become more informed consumers of evidence, a skill which will serve them well in many fields and endeavors—both personal and professional—throughout their lives.

Prerequisites
There are no prerequisites for this course, and there is no assumption of prior exposure to economic or health policy concepts. If we use disciplinary tools to examine health care issues, the appropriate background will be provided.

Readings and Assignments
Unless otherwise noted, readings are optional. They are largely intended to give a deeper background on specific topics or help with assignments. Many will be discussed in class. You will be responsible, on exams and quizzes for material in class. This will include not just indicating you understand the material presented, but also how to apply it in less structured situations.

Finally, over the course of the semester, there will be 4 homework assignments that will be a mix of questions similar to those that will be in the exam. Additionally, students write a 10 page group paper describing the health system in another country. The paper should provide an overview of the countries system, describe how it addresses the inherent challenges in the health care system, some assessment of how well it works and challenges associated with implementing such a a system in the U.S. Countries will be assigned to groups. You are allowed to create your own groups (no more than 5 students in a group) but you must be part of the same section and have no one from the country that you're assigned.

➔ SNOW DAY POLICY ←
Class will cancelled any day Harvard is closed and may be cancelled for weather on other days. If we are getting snow or ice but Harvard is open, class may still be cancelled. If so you will get an e-mail by 8:00AM.

Exams
There will be a mid-term and a final exam. The exams will require students to synthesize and apply lessons from assignments and lectures throughout the course.

Technology Policy
The use of laptops, tablets, and phones is prohibited during. The Accessible Education Office can make exceptions. You are urged to print out the lecture slides and bring them to lecture. All slides for the semester will be available on the course website:
https://locator.tlt.harvard.edu/course/colgsas-112358/2018/spring/18670

Grading
10% participation (attendance and participation in section; scored by TFs)
10% group project
25% Homework sets
25% midterm
30% cumulative final

Grades for each assignment, exam, and final grades for the semester will be decided by Professor Chernew in conjunction with the teaching fellows. Grading guidelines will be standardized across sections. We anticipate 40 – 50% of students will receive an A or A-.

If you would like an assignment to be regraded, please find the link to the formal request form on the website. All regrades must be formally requested within 7 days of assignments being returned. The assignment or exam will be regraded by the Head TF and/or Professor Chernew and all parts of the assignment will be subject to reexamination. Regrading may result in an increase or decrease in the score. Questions about grading or the grading policy should be directed to the Head TF. Late assignments, even by a day, are priced at one letter grade per late day.

Optional Textbooks:

- Shi and Singh, *Essentials of the U.S. Health Care System, 4th edition* (although other versions will generally suffice)

Academic Accommodation: Any student needing academic adjustments or accommodations is requested to present his or her letter from the Accessible Education Office (AEO) and speak with the professor by the end of the second week of the term. Failure to do so may result in the Course Head's inability to respond in a timely manner. All discussions will remain confidential, although AEO may be consulted to discuss appropriate implementation.

Harvard College Honor Code: Members of the Harvard College community commit themselves to producing academic work with integrity – that is, work that adheres to the scholarly and intellectual standards of accurate attribution of sources, appropriate collection and use of data, and transparent acknowledgement of the contribution of others to our ideas, discoveries, interpretations, and conclusions. Cheating on exams or problem sets, plagiarizing or misrepresenting the ideas or language of someone else as one's own, falsifying data, or any other instance of academic dishonesty violates the standards of our community, as well as the standards of the wider world of learning and affairs. For more information, see the Harvard Guide to Using Sources.

Collaborations: Discussion and the exchange of ideas are essential to doing academic work. For assignments in this course, you are permitted to consult with your classmates as you work on problem sets. However, after discussions with peers, make sure that you can work through the problem yourself and ensure that any answers you submit for evaluation are the result of your own efforts. In addition, you must cite any books, articles, websites, lectures, etc. that have helped you with your work using appropriate citation practices. Similarly, you must list the names of students with whom you have collaborated on problem sets.

Sections: Students will use the sectioning tool provided on the course website to be assigned to a section. This should be completed within the first week of class for sections will start right after that. Section attendance is mandatory and will be recorded. Teaching fellows will also track class participation and attendance in lecture and section.

Section Times: TBD

Course Outline

Overview of the Course:

This introductory unit will familiarize students with the landscape of the U.S. health care system—its actors and institutions. It will also introduce three key challenges that must be addressed in any system: expanding access to health care, reining in costs, and ensuring quality of care.

The course will be organized in 3 units:

- A framework for the health care system
- Institutional details
- Special topics.

⇨ Dates on all lectures are approximate. Some lectures may spill into the following class session,

Unit 1: A framework for the health care system

Critical questions for unit 1:

- What are the major problems facing the American health care system
- What is moral hazard and how does it affect health care markets
- What is adverse selection and how does it affect health care markets
- What is the conceptual 'efficient' amount of spending from the perspective of economics
- What determines how much we spend on health care.

- **Monday Jan. 28: Course introduction; Overview of health, health care spending, and the health care delivery system in America**
    - Chetty, R., Stepner, M., Abraham, S., Lin, S., Scuderi, B., Turner, N., … Cutler, D. (2016). The Association Between Income and Life Expectancy in the United States, 2001-2014. JAMA, 315(16), 1750–1766. https://doi.org/10.1001/jama.2016.4226
    - Anne Case & Angus Deaton. (2015). Rising morbidity and mortality in midlife among white non-Hispanic Americans in the 21st century. Proceedings of the National Academy of Sciences, 112(49), 15078-83. https://doi-org.ezp-prod1.hul.harvard.edu/10.1073/pnas.1518393112

- **Wednesday Jan. 30: Fee For Service payment/ demand for care/ using demand as a value measure**
    - Medicare Payment Basics: Physician and Other Health Professional Payment System. Medicare Payment Advisory Commission: http://medpac.gov/docs/default-source/payment-basics/medpac_payment_basics_18_physician_final_v2_sec.pdf?sfvrsn=0
    - Cutler, D. Your Money or Your Life : Strong Medicine for America's Health Care System. Chapter 2. Retrieved from http://web.b.ebscohost.com.ezp-prod1.hul.harvard.edu/ehost/ebookviewer/ebook/bmxlYmtfXzEyMDkwOV9fQU41?sid=d87ae457-50b7-4a34-a42b-167bfb92966e@pdc-v-sessmgr01&vid=0&format=EB&lpid=lp_86&rid=0

- **Monday Feb. 4: The Classics: Rand Health Insurance Experiment/ Geographic variation**
  Guest lecturer: Alice Ndikumana
  - Chernew, M. E., & Newhouse, J. P. What Does the RAND Health Insurance Experiment Tell Us About the Impact of Patient Cost Sharing on Health Outcomes? Retrieved December 6, 2018, from https://www.ajmc.com/journals/issue/2008/2008-07-vol14-n7/jul08-3414p412-414
  - Manning, W. G., Newhouse, J. P., Duan, N., Keeler, E. B., Leibowitz, A., & Marquis, M. S. (1987). Health insurance and the demand for medical care - evidence from a randomized experiment. American Economic Review, 77(3), 251–277. Retrieved from http://search.proquest.com/docview/36925282?rfr_id=info%3Axri%2Fsid%3Aprimo
  - Variation in health care spending: target decision making, not geography. (2014). Institute of Medicine (U.S.). Committee on Geographic Variation in Health Care Spending and Promotion of High-Value Care / Washington, District of Columbia: The National Academies Press.
  - Fisher, E. S., Wennberg, D. E., Stukel, T. A., Gottlieb, D. J., Lucas, F. L., & Pinder, É. L. (2003). The Implications of Regional Variations in Medicare Spending. Part 1: The Content, Quality, and Accessibility of Care. Annals of Internal Medicine, 138(4), 273. https://doi.org/10.7326/0003-4819-138-4-200302180-00006

- **Wednesday Feb. 6: Physicians as drivers of utilization**
  - Johnson, E. (2014). Physician-Induced Demand. In Encyclopedia of Health Economics (pp. 77-82).
  - Gawande, A. (June 1, 2009). "The cost conundrum: What a Texas town can teach us about health care". The New Yorker. https://www.newyorker.com/magazine/2009/06/01/the-cost-conundrum
  - Chernew, M., Cooper, Z., Larsen-Hallock, E., & Morton, F. (2018). Are Health Care Services Shoppable? Evidence from the Consumption of Lower-Limb MRI Scans. *NBER Working Paper Series*, 24869.

- **Monday Feb. 11: The basics of insurance markets**
  - Chapter 6 of Shi and Singh – "Financing and Reimbursement Methods"

- **Wednesday Feb. 13: Managed care**
  - Cutler, D. Your Money or Your Life : Strong Medicine for America's Health Care System. Chapter 8. Retrieved from http://web.b.ebscohost.com.ezp-prod1.hul.harvard.edu/ehost/ebookviewer/ebook/bmxlYmtfXzEyMDkwOV9fQU41?sid=d87ae457-50b7-4a34-a42b-167bfb92966e@pdc-v-sessmgr01&vid=0&format=EB&lpid=lp_86&rid=0

- **Wednesday Feb. 20: Politics of Heath Care: Guest Lecture: Caitlin McMurtry**
  - Campbell, A. L. (2012). Policy Makes Mass Politics. *Annual Review of Political Science*, 15(1), 333-51.
  - Pew Research Center. (2015). *Beyond Distrust: How Americans View Their Government*.

- Hall, R., & Deardorff, A. (2006). Lobbying as Legislative Subsidy. *American Political Science Review*, 100(1), 69-84.

HOMEWORK 1 DUE IN SECTION THIS WEEK

Unit 2: Institutional details

Critical questions for unit 2:

- What is Medicare, how is it structured and how is it changing?
- What is Medicaid, how is it structured and how is it changing?
- What was the motivation for the ACA and how was it structured to meet its goals?
- How does the commercial market differ from public insurance markets? What are the strength and weaknesses of privately financed health care markets?

- **Monday Feb. 25: Medicare**
  - "An Overview of Medicare", Kaiser Family Foundation: https://www.kff.org/medicare/issue-brief/an-overview-of-medicare/
  - "The Facts on Medicare Spending and Financing", Kaiser Family Foundation: https://www.kff.org/medicare/issue-brief/the-facts-on-medicare-spending-and-financing/
  - Landon, B. E., Zaslavsky, A. M., Bernard, S. L., Cioffi, M. J., & Cleary, P. D. (2004). Comparison of Performance of Traditional Medicare vs Medicare Managed Care. JAMA, 291(14), 1744–1752. https://doi.org/10.1001/jama.291.14.1744
  - "An Overview of the Medicare Part D Prescription Drug Benefit", Kaiser Family Foundation: https://www.kff.org/medicare/fact-sheet/an-overview-of-the-medicare-part-d-prescription-drug-benefit/

- **Wednesday Feb. 27: Medicaid**
  - Oregon Health Insurance Experiment: Katherine Baicker, Sarah Taubman, Heidi Allen, Mira Bernstein, Jonathan Gruber, Joseph P. Newhouse, Eric Schneider, Bill Wright, Alan Zaslavsky, Amy Finkelstein, and the Oregon Health Study Group, "The Oregon Experiment – Effects of Medicaid on Clinical Outcomes", The New England Journal of Medicine, 2013 May; 368(18): 1713-1722: https://www.nejm.org/doi/full/10.1056/nejmsa1212321
  - "10 Things to Know about Medicaid: Setting the Facts Straight", Kaiser Family Foundation: https://www.kff.org/medicaid/issue-brief/10-things-to-know-about-medicaid-setting-the-facts-straight/

HOMEWORK 2 Due in Section this week

- **Monday Mar. 4: Affordable care act and exchanges**
  - "Summary of the Affordable Care Act", Kaiser Foundation http://kff.org/health-reform/fact-sheet/summary-of-the-affordable-care-act/
  - Barack Obama "United States Health Care Reform Progress to Date and Next Steps," JAMA http://jama.jamanetwork.com/article.aspx?articleid=2533698
  - "Young, Fit, & Uninterested", The Economist https://www.economist.com/united-states/2014/01/16/young-fit-and-uninterested

- Chandra, A., Gruber, J., & McKnight, R. (2011). The Importance of the Individual Mandate — Evidence from Massachusetts. New England Journal of Medicine, 364(4), 293–295. https://doi.org/10.1056/NEJMp1013067

- **Wednesday Mar. 6: Commercial insurance**

- **Monday Mar. 11: Review/ make-up**

- **Wednesday Mar. 13: Midterm**

Unit 3: Special topics

Critical questions for unit 3:

- What is Medicare, how is it structured and how is it changing?
- What is Medicaid, how is it structured and how is it changing?
- What was the motivation for the ACA and how was it structured to meet its goals?
- How does the commercial market differ from public insurance markets? What are the strength and weaknesses of privately financed health care markets?

- **Monday Mar. 25: Spending Growth**
  - Chandra, Amitabh, and Jonathan Skinner. 2012. "Technology Growth and Expenditure Growth in Health Care." Journal of Economic Literature, 50 (3): 645-80. DOI: 10.1257/jel.50.3.645
  - Chernew, ME "Interpreting National Health Expenditure Projections: Issues And Challenges, "Health Affairs Blog, February 14, 2018. DOI: 10.1377/hblog20180214.597384 https://www.healthaffairs.org/do/10.1377/hblog20180214.597384/full/

- **Wednesday Mar. 27: Competition/ Anti-trust**

  - Dafny, L. (2014). Hospital Industry Consolidation — Still More to Come? *The New England Journal of Medicine*, *370*(3), 198-199. http://www.nejm.org/doi/pdf/10.1056/NEJMp1313948
  - Tsai, T., & Jha, A. (2014). Hospital Consolidation, Competition, and Quality: Is Bigger Necessarily Better? *JAMA*, *312*(1), 29-30. http://jama.jamanetwork.com.ezp-prod1.hul.harvard.edu/article.aspx?articleid=1884584
  - Ginsburg, PB "Wide Variation in Hospital and Physician Payment Rates Evidence of Provider Market Power." Center for Study of Health System Change 2010 http://www.hschange.org/CONTENT/1162/1162.pdf
  - Fulton, B. D. (2017). Health Care Market Concentration Trends In The United States: Evidence And Policy Responses. Health Affairs, 36(9), 1530–1538. https://doi.org/10.1377/hlthaff.2017.0556

Paper on other health systems in other countries due in section this week. Presentations to be scheduled by section leader

- **Monday Apr. 1: International comparisons. Guest lecturer: David Cutler**
  - TBD

- **Wednesday Apr. 3: Prescription drugs. Guest lecturer: Amitabh Chandra**
  - "What are the recent and forecasted trends in prescription drug spending?" Kaiser Family Foundation https://www.healthsystemtracker.org/chart-collection/recent-forecasted-trends-prescription-drug-spending/?_sf_s=recent+trends#item-costly-new-specialty-drugs-major-driver-recent-spike-health-spending_2017
  - Robert Kocher and Bryan Roberts, "The Calculus of Cures," New England Journal of Medicine, April 17, 2014, 370(16):1473-5 https://www-nejm-org.ezp-prod1.hul.harvard.edu/doi/10.1056/NEJMp1400868
  - Frakt, A. (2018, December 10). How to Cut Drug Prices: Experts Weigh In. The New York Times. Retrieved from https://www.nytimes.com/2018/12/10/upshot/how-to-cut-drug-prices-experts-weigh-in.html
  - Rockoff, J. D. (2015, December 9). How Pfizer Set the Cost of Its New Drug at $9,850 a Month. Wall Street Journal. Retrieved from https://www.wsj.com/articles/the-art-of-setting-a-drug-price-1449628081

HOMEWORK 3 due in section this week

- **Monday Apr. 8: Payment reform**
  - Song ACQ - Song, Z., Safran, D. G., Landon, B. E., Landrum, M. B., He, Y., Mechanic, R. E., … Chernew, M. E. (2012). The 'Alternative Quality Contract,' Based On A Global Budget, Lowered Medical Spending And Improved Quality. Health Affairs, 31(8), 1885–1894. https://doi.org/10.1377/hlthaff.2012.0327
  - Robert Berenson and Rachel Burton. "Next Steps for ACOs, " Health Affairs Health Policy Brief, January 31, 2012. DOI: 10.1377/hpb20120131.782919
  - McWilliams, J. M., Hatfield, L. A., Landon, B. E., Hamed, P., & Chernew, M. E. (2018). Medicare Spending after 3 Years of the Medicare Shared Savings Program. New England Journal of Medicine, 379(12), 1139–1149. https://doi.org/10.1056/NEJMsa1803388
  - Finkelstein, A., Ji, Y., Mahoney, N., & Skinner, J. (2018). Mandatory Medicare Bundled Payment Program for Lower Extremity Joint Replacement and Discharge to Institutional Postacute Care: Interim Analysis of the First Year of a 5-Year Randomized Trial. JAMA, 320(9), 892–900. https://doi.org/10.1001/jama.2018.12346

- **Wednesday Apr. 10: Benefit design**
  - Baicker K, & Chandra A. (2015). The veiled economics of employee cost sharing. JAMA Internal Medicine, 175(7), 1081–1082. http://archinte.jamanetwork.com/article.aspx?articleid=2289129

- Chernew, M. E., Rosen, A. B., & Fendrick, A. M. (2007). Value-Based Insurance Design. Health Affairs, 26(2), w195–w203. https://doi.org/10.1377/hlthaff.26.2.w195
- Robinson, J., & Brown, T. (2013). Increases in consumer cost sharing redirect patient volumes and reduce hospital prices for orthopedic surgery. Health Affairs (Project Hope), 32(8), 1392-7.
- Robinson, J. C., Whaley, C. M., & Brown, T. T. (2017). Association of Reference Pricing with Drug Selection and Spending. New England Journal of Medicine. https://doi.org/10.1056/NEJMsa1700087
- Frank/ Chernew Tiered Network - Frank, M. B., Hsu, J., Landrum, M. B., & Chernew, M. E. (2015). The Impact of a Tiered Network on Hospital Choice. Health Services Research, 50(5), 1628–1648. https://doi.org/10.1111/1475-6773.12291 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4600365/
- Zarek C. Brot-Goldberg, Amitabh Chandra, Benjamin R. Handel, Jonathan T. Kolstad; What does a Deductible Do? The Impact of Cost-Sharing on Health Care Prices, Quantities, and Spending Dynamics, *The Quarterly Journal of Economics*, Volume 132, Issue 3, 1 August 2017, Pages 1261–1318, https://doi-org.ezp-prod1.hul.harvard.edu/10.1093/qje/qjx013

- **Monday Apr. 15: State reforms**
  - Rosenbaum, S., Schmucker, S., Rothenberg, S., Gunsalus, R., & Beckerman, J. Z. (2017). Medicaid Payment and Delivery System Reform: Early Insights from 10 Medicaid Expansion States. Commonwealth Fund.
  - Sommers, B. D., Blendon, R. J., & Orav, E. J. (2016). Both The 'Private Option' And Traditional Medicaid Expansions Improved Access To Care For Low-Income Adults. Health Affairs, 35(1), 96–105. https://doi.org/10.1377/hlthaff.2015.0917
  - Joynt, K. E., Chan, D. C., Zheng, J., Orav, E. J., & Jha, A. K. (2015). The Impact of Massachusetts Health Care Reform on Access, Quality, and Costs of Care for the Already-Insured. Health Services Research, 50(2), 599–613. https://doi.org/10.1111/1475-6773.12228

- **Wednesday Apr. 17: Cost effectiveness**
  - HERC: Cost-Effectiveness Analysis. Retrieved December 10, 2018, from https://www.herc.research.va.gov/include/page.asp?id=cost-effectiveness-analysis
  - Cohen, J. T., Neumann, P. J., & Weinstein, M. C. (2008). Does Preventive Care Save Money? Health Economics and the Presidential Candidates. New England Journal of Medicine, 358(7), 661–663. https://doi.org/10.1056/NEJMp0708558
  - Neumann, P., & Cohen, J. (2009). Cost savings and cost-effectiveness of clinical preventive care. The Synthesis Project. Research Synthesis Report, (18), The Synthesis project. Research synthesis report, September 2009(18).

- **Monday Apr. 22: Quality measurement**
  - Brook, R. H., McGlynn, E. A., & Cleary, P. D. (1996). Measuring Quality of Care. New England Journal of Medicine, 335(13), 966–970. https://doi.org/10.1056/NEJM199609263351311

- Blumenthal, D., & McGinnis, J. M. (2015). Measuring Vital Signs: An IOM Report on Core Metrics for Health and Health Care Progress. JAMA, 313(19), 1901–1902. https://doi.org/10.1001/jama.2015.4862
- McGlynn, E. A., Asch, S. M., Adams, J., Keesey, J., Hicks, J., DeCristofaro, A., & Kerr, E. A. (2009, October 7). The Quality of Health Care Delivered to Adults in the United States [research-article]. https://doi.org/10.1056/NEJMsa022615

- **Wednesday Apr. 24: Health Care workforce**
  - Schwartz, M. D. (2012). Health Care Reform and the Primary Care Workforce Bottleneck. Journal of General Internal Medicine, 27(4), 469–472. https://doi.org/10.1007/s11606-011-1921-4
  - "Graduate Medical Education, " Health Affairs Health Policy Brief, August 16, 2012. DOI: 10.1377/hpb20120816.311332 https://www.healthaffairs.org/do/10.1377/hpb20120816.311332/full/
  - Goodman, D. C., & Fisher, E. S. (2008). Physician Workforce Crisis? Wrong Diagnosis, Wrong Prescription. New England Journal of Medicine, 358(16), 1658–1661. https://doi.org/10.1056/NEJMp0800319

Homework 4 due in Section this week

- **Monday Apr. 29: Disparities**
  - Chernew, M., Gibson, T. B., Yu-Isenberg, K., Sokol, M. C., Rosen, A. B., & Fendrick, A. M. (2008). Effects of Increased Patient Cost Sharing on Socioeconomic Disparities in Health Care. Journal of General Internal Medicine, 23(8), 1131–1136. https://doi.org/10.1007/s11606-008-0614-0
  - SOMMERS, B. D., McMURTRY, C. L., BLENDON, R. J., BENSON, J. M., & SAYDE, J. M. (2017). Beyond Health Insurance: Remaining Disparities in US Health Care in the Post-ACA Era. The Milbank Quarterly, 95(1), 43–69. https://doi.org/10.1111/1468-0009.12245
  - Ayanian, J. Z., Landon, B. E., Newhouse, J. P., & Zaslavsky, A. M. (2014). Racial and Ethnic Disparities among Enrollees in Medicare Advantage Plans. New England Journal of Medicine, 371(24), 2288–2297. https://doi.org/10.1056/NEJMsa1407273

- **Wednesday May 1: Review/ Make-up**