

HFMA Mid-South Conference Washington Legislative and Regulatory Outlook

Andrew B. Bressler, CFA
Research Analyst
MLPF&S
andy.b.bressler@baml.com
+1 202 442 7454

Bank of America
Merrill Lynch

09 January 2018

BofA Merrill Lynch does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Refer to important disclosures on page 41-45. Analyst Certification on page 39.

11827230

Agenda

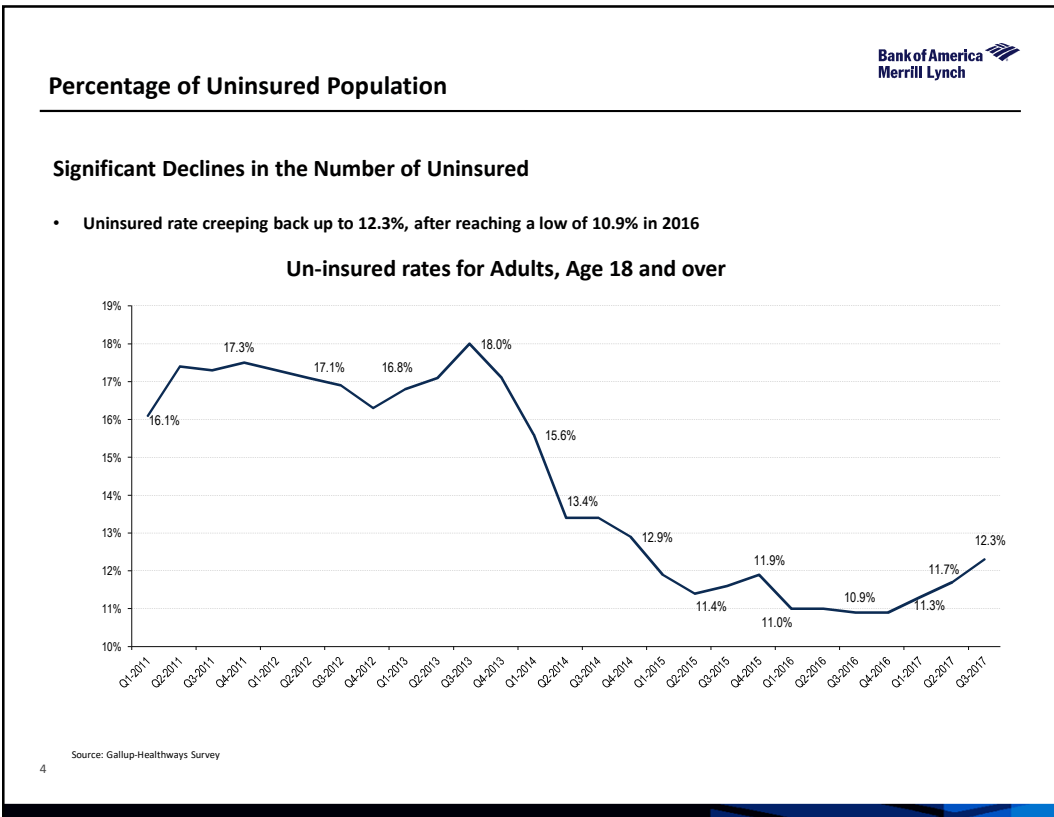
Bank of America
Merrill Lynch

- **Health Care Reform – Where are We? What Happens Next?**
- **Upcoming Legislative Issues**
- **Health Care Regulatory Issues**
- **Pharma Issues & Proposals**

2 Source: BofA Merrill Lynch Global Research

**Bank of America
Merrill Lynch**

Affordable Care Act – Outlook



Affordable Care Act Coverage Expansion – Roughly 20 Million

Medicaid Expansion Coverage

- Total Increase in Medicaid = 16.5 million (since 4th Q 2013)
- **Estimated roughly 13 million newly covered individuals** – through Medicaid expansion
- 32 States plus District of Columbia
- Maine Ballot Initiative Passed Approving Expansion – Still issues to be worked out on implementation
- Although other states have interest (KS, TN, SD, VA, NC, etc.)
- However, several key states remain staunch opponents (TX, FL)

Health Insurance Exchange Coverage

- 12.2 million signed up for Coverage for 2017, while
- However, 10.2 million were enrolled (and paid) as of March 2017
- Estimated roughly 11-12 million coverage for 2018 (8.7 million signed up on Federal Exchanges as of Dec. 2017)
- **Estimated that roughly 50-60% on exchanges are newly covered individuals (roughly 6 million out of 10 million on exchange)**

Health Coverage for Dependents up to age 26

- CMS estimates roughly 3 million additional coverage for children up to age 26 on parents health plan

5

Source: HHS, BofA Merrill Lynch Global Research

Status of Health Insurance Exchanges – 2018

Significant Premium Increases

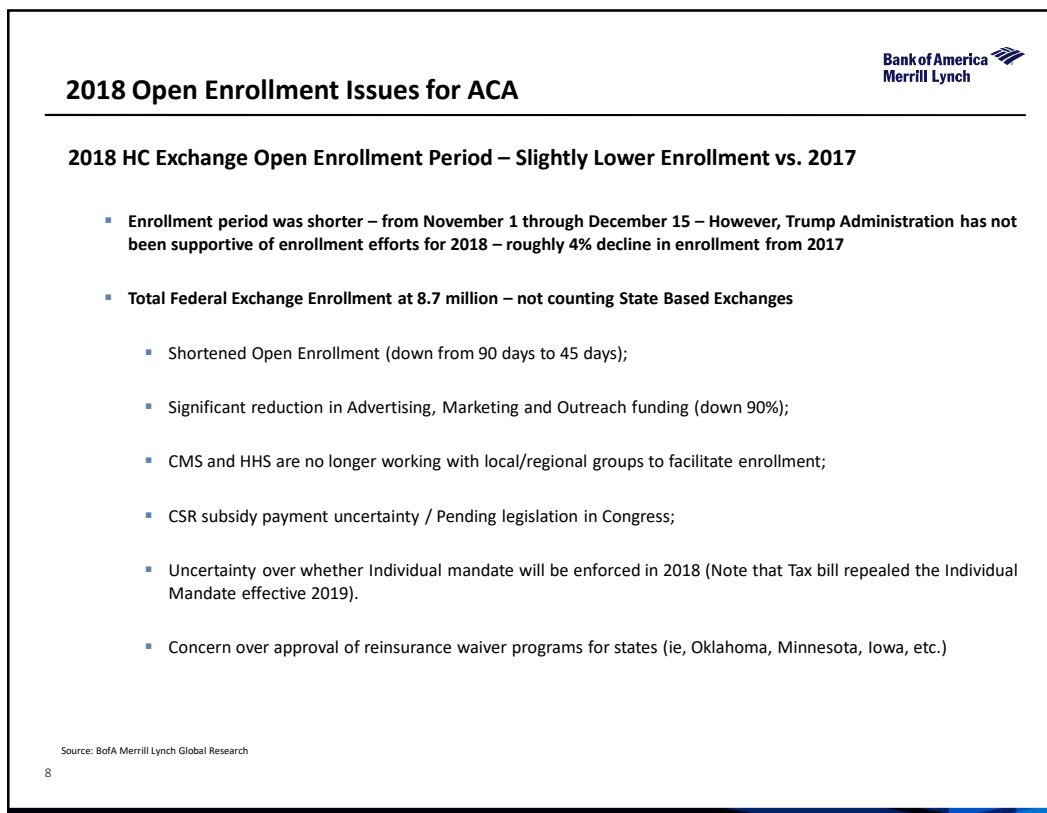
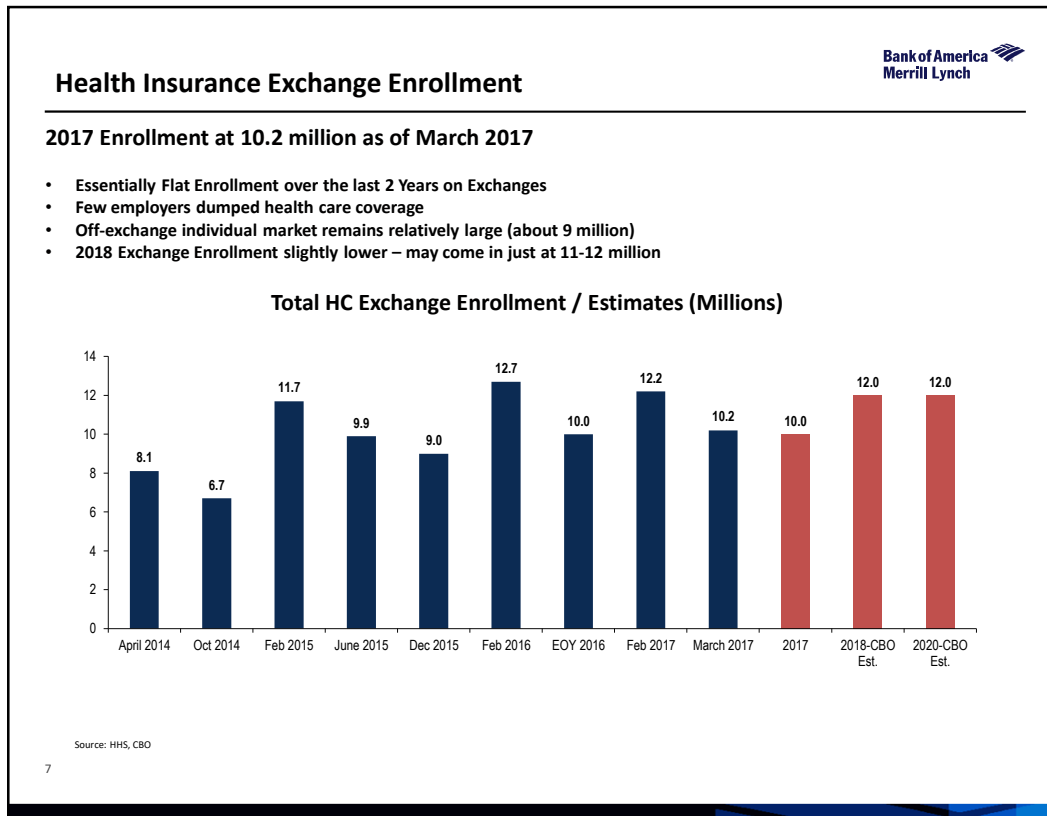
- On Average, 37% premium increases for 2nd Lowest Silver Plan in 2018
- With wide variation across states
 - Many states with significant increases:
 - Kentucky (+50%); Iowa (+88%); Maine (+53%); Mississippi (+64%); New Mexico (+52%); Utah (+77%); Virginia (66%)
 - And, several with stable or declining premiums:
 - Alaska (-22%); Arizona (0%); North Dakota (7%); Montana (13%); South Dakota (14%)
- However, note, that these increases assume no CSR payments are paid out

Fewer Health Plans available in most States

- Total number of plans declined to 132, down from 167 in 2017. Eight states in PY18 will have only one issuer: Alaska, Delaware, Iowa, Mississippi, Nebraska, Oklahoma, South Carolina, and Wyoming.
- Eight states now only have 1 participating health plan: AK, DE, IA, MS, NE, OK, SC, WY
- Average number of plans available per state has declined over last 4 years
 - 2014: 4.5 plans per state
 - 2015: 5.9 plans per state
 - 2016: 5.4 plans per state
 - 2017: 3.9 plans per state
 - 2018: 3 plans per state

Source: HHS, BofA Merrill Lynch Global Research

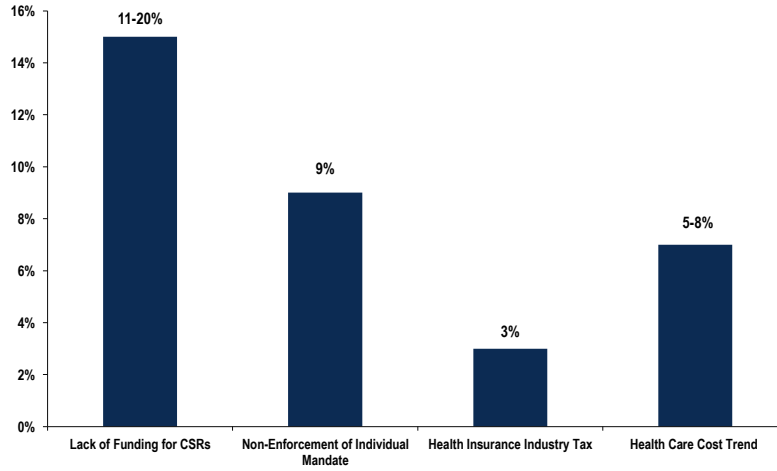
6



Key Issues for Health Insurance Exchanges for 2018 Plan Year

Contributing Factors to 2018 Exchange Plan Premium Increases

- Overall, while State Increases will Vary Dramatically, expecting 28-40% Increases – Due to Uncertainty

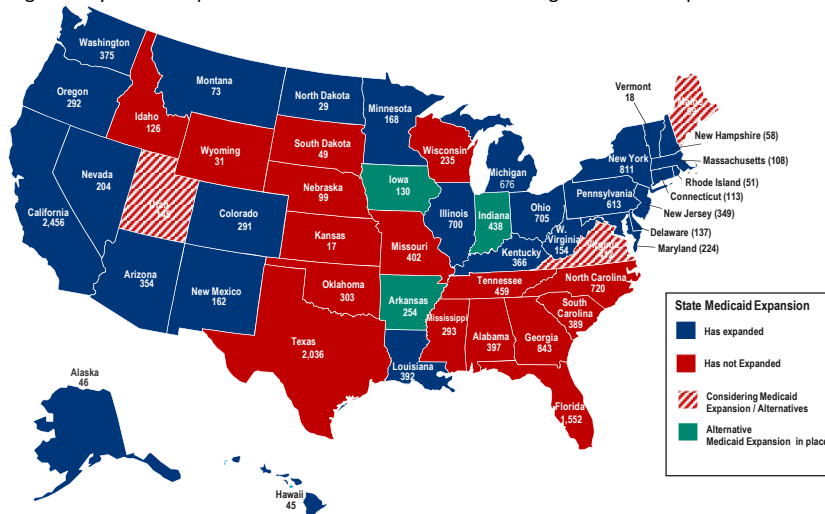


Source: Oliver Wyman, BofA Merrill Lynch Global Research

State Medicaid Expansion Plans

Medicaid Eligible Uninsured Adults with income below 133% of FPL (Thousands)

- HHS estimates expansion has increased Medicaid Enrollment by 16.5 million– Roughly 13 Million Newly Eligible
- 32 States have expanded Medicaid – Several additional states are still attempting to expand – but, have faced opposition with legislatures, or Governors – while other states have no interest in expanding
- Virginia may look to expand Medicaid in 2018 with new State legislature makeup



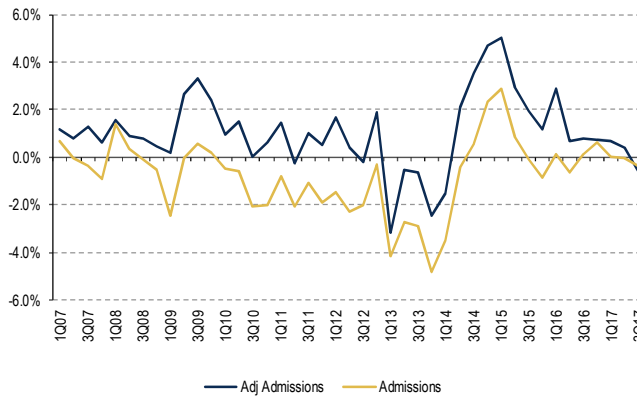
Source: AP, Urban Institute, BofA Merrill Lynch Global Research

Impact on Hospital Admissions



Overall, Admissions Saw a Significant Boost in 2014-2015 – But, now back to negative growth

Overall Industry Adjusted Admissions & Inpatient Admissions, 2007-2017



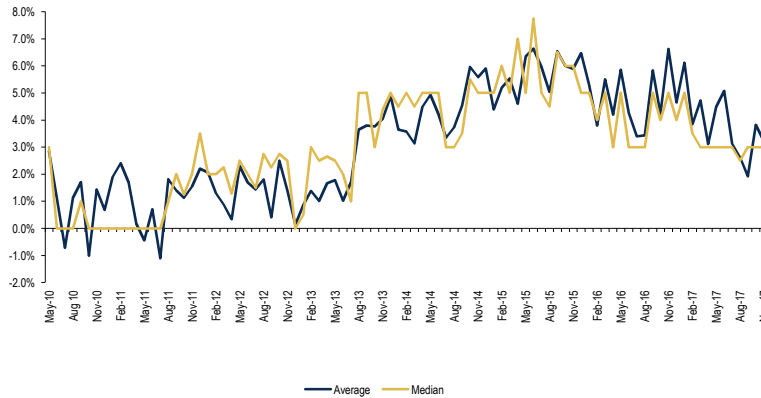
Source: BofA Merrill Lynch Global Research

Impact on Hospital Admissions



Outpatient Volume Growth Remains Relatively Strong

Hospital Survey – Outpatient Volume Growth, 2010-2017



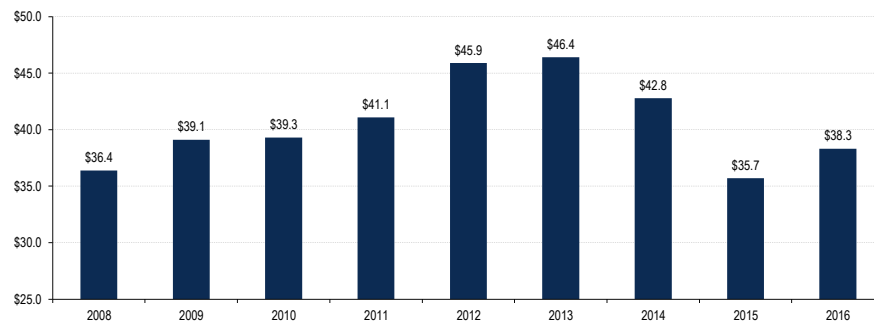
Source: BofA Merrill Lynch Global Research

Impact on Hospital Uncompensated Care



Hospital Uncompensated Care Costs are Rising Again After 2 Years of Decline

Hospital Uncompensated Care Costs, 2008-2016



Source: American Hospital Association

13

Senate Action on Repeal & Replace Legislation



Final Efforts at Repeal Failed to Pass the Full Senate

- **Revised BCRA Senate Repeal and Replace bill failed to gain 60 votes (only received 43 votes)**, included Senator Cruz' Consumer Freedom Amendment, and Senator Portman Amendment with \$100 billion in additional funding. Bill needed 60 votes to waive budget point of order, since it had not been scored by CBO, and would violate Budget Act.
- **Obamacare Repeal Reconciliation Act of 2017 (ORRA) also Failed** – Repeal of many portions of ACA, however, does not include a Replacement. Would phase-out ACA Exchange subsidies and Medicaid Expansion in 2 years. CBO estimates 32 million fewer people covered by 2026.
- **“Skinny” Reconciliation bill Fell One Vote Short** – Republican Senators McCain (R-AZ); Collins (R-ME); and Murkowski (R-AK) sided with all Democrats to Defeat this last effort. Bill would include repeal of Individual and Employer mandate, as well as revisions to the Section 1332 waiver flexibility for states, HSA revisions, medical device tax moratorium through 2020, additional funding for health centers, and prohibit funding for Planned Parenthood
- **Graham-Cassidy bill** – Also fell at least 1 vote short, as Senators McCain (R-AZ); Collins (R-ME); and Paul (R-KY) voiced opposition – other Senators (Murkowski, R-AK) also voiced concerns over the bill. Bill was ultimately pulled from consideration before a vote. Senators Graham (R-SC) and Cassidy (R-LA) both expect to renew their repeal effort in 2018.

Source: BofA Merrill Lynch Global Research

14

Executive Order on Health Insurance

With Failure of Congress to Enact Major Health Care Reform / Repeal – President Trump sought to move forward with an Executive Order on Health Insurance

- On October 21, President Trump stated signed an Executive Order addressing some health insurance regulatory issues:
- **Association Health Plans** – We note that Association Health Plans (AHPs) are an idea that has been around for some time, but, has generally been opposed by the insurance industry, as it could lead to splintering the risk pool for small group plans. AHPs are currently regulated by both States and Federal requirements – Proposal may exempt AHPs from state oversight, using ERISA regulations. Concerns include:
 - Exemptions from state insurance regulations could lead to market instability and higher premiums in the traditional small-group market;
 - Exemptions could eliminate consumer and patient protections;
- **Short-term health plans** - currently limited to a maximum of 3-months of coverage as the Obama Administration sought to limit these plans that are not subject to any of the ACA regulatory requirements. Now, these short-term health plans may be available for coverage up to 1-year, and be renewable.
- **Changes to Health Reimbursement Accounts** – May allow employers' contributions on a pre-tax basis that an employee could use to purchase individual insurance. This could lead employers to potentially drop coverage and instead provide an HRA contribution.

Source: BofA Merrill Lynch Global Research

15

Upcoming Legislative Issues / Tax Reform

Efforts on Repeal & Replace Legislation in 2017

Final Efforts at Repeal Failed to Pass the Full Senate

- **House Passed Repeal and Replaces legislation in May 2017 (217-213 vote)** – Replaced ACA with a new tax credit proposal effective in 2020
- **Revised BCRA Senate Repeal and Replace bill failed to gain 60 votes (only received 43 votes)**, included Senator Cruz' Consumer Freedom Amendment, and Senator Portman Amendment with \$100 billion in additional funding. Bill needed 60 votes to waive budget point of order, since it had not been scored by CBO, and would violate Budget Act.
- **Obamacare Repeal Reconciliation Act of 2017 (ORRA) also Failed** – Repeal of many portions of ACA, however, does not include a Replacement. Would phase-out ACA Exchange subsidies and Medicaid Expansion in 2 years. CBO estimates 32 million fewer people covered by 2026.
- **"Skinny" Reconciliation bill Fell One Vote Short** – Republican Senators McCain (R-AZ); Collins (R-ME); and Murkowski (R-AK) sided with all Democrats to Defeat this last effort. Bill would include repeal of Individual and Employer mandate, as well as revisions to the Section 1332 waiver flexibility for states, HSA revisions, medical device tax moratorium through 2020, additional funding for health centers, and prohibit funding for Planned Parenthood
- **Graham-Cassidy bill** – Also fell at least 1 vote short, as Senators McCain (R-AZ); Collins (R-ME); and Paul (R-KY) voiced opposition – other Senators (Murkowski, R-AK) also voiced concerns over the bill. Bill was ultimately pulled from consideration before a vote. Senators Graham (R-SC) and Cassidy (R-LA) both expect to renew their repeal effort in 2018.

Source: BofA Merrill Lynch Global Research

17

CBO Score Comparison of House & Senate HC Repeal Bills

<u>Metric</u>	<u>House Passed (AHCA)</u>	<u>Senate Proposed (BCRA)</u>	<u>Graham-Cassidy Proposal</u>
Reduced HC Coverage (2018)	14 million	15 million	Est. 15 million
Reduced HC Coverage (2026)	23 million	22 million	Est. 20 million +
Deficit Reduction (over 10 years)	\$119 billion	\$321 billion	\$133 billion
Medicaid Spending Reductions	\$834 billion	\$772 billion	\$772 billion
Premium Effect in 2018	20% increase	20% increase	Est. 20% increase
Premium Effect in 2026	4% reduction (on average)	20% decrease	N/A
Impact on Net Premiums			
Below 100% of FPL	Reduction	Reduction	Reduction
Younger & low-income (175% FPL)	Modest Reduction	Modest increase	Modest increase
Older & low-income (175% FPL)	Significant increase	Significant increase	Significant increase
Impact on Deductibles/Actuarial Value	Eliminates AV requirements / Promotes HSAs and High Deductible Plans	Sets Benchmark at 58% AV (vs. 70%) Increase in Deductibles	Likely Increase in Deductibles
Tax Repeal Provisions (Non-Coverage related)	\$664 billion	\$541 billion	\$41 billion – Includes repeal of Med Device Tax; HSA provisions, and repeal of tax on OTC drugs (FSA)

Source: BofA Merrill Lynch Global Research

18

Executive Order on Health Insurance

With Failure of Congress to Enact Major Health Care Reform / Repeal – President Trump sought to move forward with an Executive Order on Health Insurance

- In October, President Trump stated signed an Executive Order addressing some health insurance regulatory issues:
- **Association Health Plans** – We note that Association Health Plans (AHPs) are an idea that has been around for some time, but, has generally been opposed by the insurance industry, as it could lead to splintering the risk pool for small group plans. AHPs are currently regulated by both States and Federal requirements – Proposal may exempt AHPs from state oversight, using ERISA regulations. Concerns include:
 - Exemptions from state insurance regulations could lead to market instability and higher premiums in the traditional small-group market;
 - Exemptions could eliminate consumer and patient protections;
 - Proposed Regulations issued on January 4
- **Short-term health plans** - currently limited to a maximum of 3-months of coverage as the Obama Administration sought to limit these plans that are not subject to any of the ACA regulatory requirements. Now, these short-term health plans may be available for coverage up to 1-year, and be renewable.
- **Changes to Health Reimbursement Accounts** – May allow employers' contributions on a pre-tax basis that an employee could use to purchase individual insurance. This could lead employers to potentially drop coverage and instead provide an HRA contribution.

Source: BofA Merrill Lynch Global Research

19

Key Legislative Issues Remain for 2018

Key Legislative Issues that Must be Addressed in December – A lot on Congress' Plate!

- **Children's Health Insurance Program (CHIP) Extension / Community Health Center Funding**
 - Funding expired September 30 – CHIP agreement on 5-year extension; CHC funding agreement on 2 year extension
 - Current CR extended funding theoretically until March 31, 2018 – But, some states may still run short sooner
 - Medicaid DSH Cuts delayed for 2 years as part of CHIP bill
- **Health Care Exchange / Individual Market Stabilization Legislation**
 - Alexander-Murray bill has Support, and Senator Collins has also pushed for it as a requirement to gain her support on tax reform, but, House may not support
 - Collins-Nelson bill would provide \$10 billion over 2 years for State based High-Risk Pool and Reinsurance programs
 - Republicans may try to use FY2019 Budget Reconciliation for another attempt at HC Repeal/Replace in 2018
- **FY2018 Omnibus Appropriations**
 - Continuing Resolution expires on January 19 – May see a CR into February;
 - Congress still must agree on full year FY2018 Omnibus appropriations
- **Debt Ceiling**
 - Debt Ceiling Extension tied to Disaster relief – extended through December 8
 - Treasury now using extraordinary measures, and, may have liquidity under Debt Ceiling through February/March 2018
- **Another Effort at Repealing/Replacing the ACA**
 - Graham-Cassidy still looking to pursue proposal that calls for Block-granting funds to States / Medicaid per-capita caps
- **Effort at Entitlement Reforms**
 - Not likely to see push for Medicare reforms, but, Medicaid reforms remain an area of focus

Source: BofA Merrill Lynch Global Research

20

Tax Reform – Key Health Policy Provisions

- **Repeal of Individual Mandate – effective in 2019**
 - CBO estimates reduced coverage of 4 million in 2019; and 13 million by 2027; Savings of \$318 billion over 10 years
 - Impact estimated to increase premiums by 10%
- **Orphan Drug Tax Credit Reductions**
 - Final bill includes a reduction in the Orphan Drug Research Tax Credit down from 50% down 25% credit
- **Deductibility of Medical Expenses (currently for expenses over 10% of AGI)**
 - Final bill appears to leave deduction for medical expenses in place
 - Lowers threshold to 7.5% of AGI for 2 years, then back to 10% of AGI
- **Not-for-profit Hospitals – Elimination of Tax-exempt Private Activity Bonds / Advance Refunding Bonds**
 - Final bill would retain tax-exempt status for private active bonds
 - Advance refunding bonds would no longer have tax-exempt status

However --

- **Future potential action on Entitlement Reforms** – with increased deficits of over \$1 trillion over 10 years, Republican leaders are already discussing potential pivot to Medicare and Medicaid entitlement reforms and cuts beginning in 2018
 - We would expect more focus on Medicaid reforms than Medicare reforms in 2018 – given the upcoming elections.

Source: BofA Merrill Lynch Global Research

21

Separate Effort to Delay Several ACA Tax Provisions

House Ways and Means Committee has Offered a Package of Bills to Delay Several ACA Taxes

However, not clear how/if these bills would be paid for; and Senate has not weighed in

- **Medical Device Tax**
 - 5-year further suspension (2018-2022)
- **Health Insurance Industry Fee**
 - Tax is set at \$14.3 billion in 2018 (roughly 2-3% of premiums)
 - Partial relief in 2018 – reducing tax by 2% for most health plans if they provide premium rebates to beneficiaries
 - Full repeal in 2019
 - Full 2-year repeal (2018-2019) for plans in Puerto Rico
- **Employer Mandate**
 - Suspension of Employer mandate – retroactive from 2015 through 2018
- **Cadillac Tax**
 - Delays implementation of excise tax on high cost health plans for 1 year (until 2021)
 - 40% Excise tax would apply to health plans with premiums over \$10,800 for single coverage and \$29,050 for family coverage
- **OTC Drugs in FSAs/HRAs/HSAs**
 - Allows for OTC drugs to be deductible as part of spending accounts for 2 years (2018-2019)

Source: BofA Merrill Lynch Global Research

22

Remaining Key Health Care Legislative Issues

Other Key Healthcare Legislative Issues to be Addressed

- **FY2018 Appropriations / Continuing Resolution**
 - Continuing Resolution expires on January 19;
 - Negotiations continue on budget caps, and could see an additional CR into January
 - NIH Funds are likely to see an increase of \$1-\$2 billion in FY2018
- **Medicare Extenders Package (2 - 5 year extensions)**
 - **Includes a range of provisions:**
 - Ambulance add-ons – 5 year extension
 - Extension of Home Health Rural Add-On – 5 year extension
 - Part B Therapy Caps exceptions (permanent);
 - Medicare Dependent Hospital Program extension – 2 year extension
 - Extension of Work Geographic Practice Cost Indices Floor – 2 year extension
 - Extension of Increased Inpatient Hospital Payment Adjustment for Certain Low-Volume Hospitals – 2 years
 - Extension for Specialized Medicare Advantage Plans for Special Needs Individuals – 5 years
 - **Payfors include (~\$18 billion):**
 - Payment reforms for SNFs & Home Health;
 - Extension of mis-valued coding initiative;
 - Non-emergency transports for ESRD patients;
 - Reduction in Prevention and Public Health Fund, and Medicaid Third Party Liability

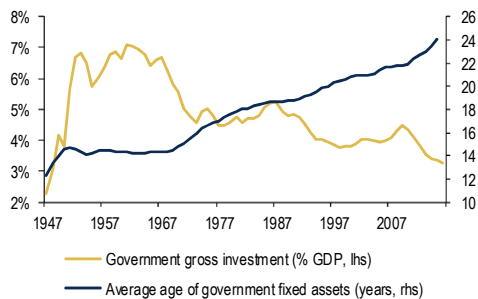
Source: BofA Merrill Lynch Global Research

23

Infrastructure Spending – Not on Congress’ Radar – But, May be for 2018

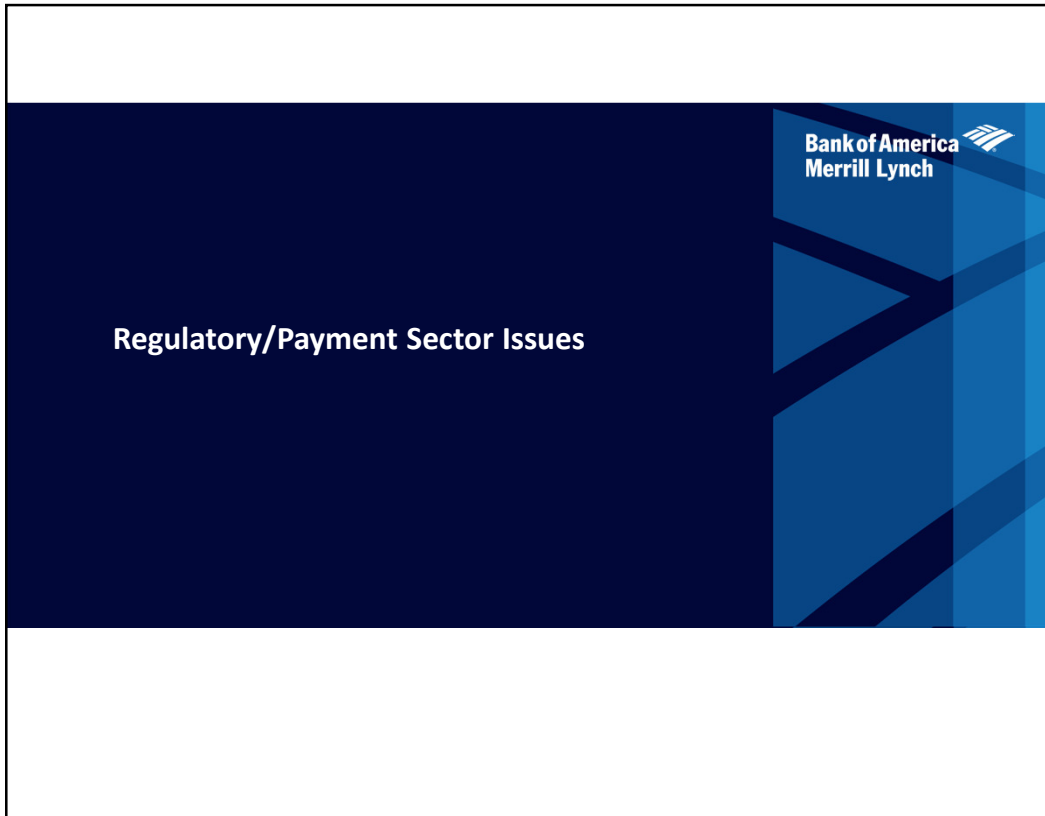
- **Big under-investment**
 - *Low share of GDP, aging fast*
 - *ASCE grade: “D+”*
 - *Both repair and big projects*
- **Prospects**
 - *House Republicans did not run on*
 - *Trump budget cuts spending overall*
 - *Private-public partnership?*

Infrastructure share of GDP and average age



Source: BofA Merrill Lynch Global Research, Bureau of Economic Analysis

24



Bank of America
Merrill Lynch

Hospital Regulatory Issues

Rate / Regulatory issues

- **Inpatient Hospitals:** CMS finalized a net Inpatient Hospital Medicare payment increase of +2.3% for FY2018 –in line with expectations – Overall, the final payment increase of 2.3% came in below the proposed payment increase of 2.9%, but still a fairly solid overall increase in payments for hospitals, given previous year increases of less than 1%.
- **Outpatient Hospital Payments:** CMS finalized a net **1.4% payment increase for HOPD rates for 2018** – in-line with expectations.
- **However, we note that the final reduction in payments for 340B Drugs (\$1.6 billion)** is a significant issue for safety net facilities.
- **MedPAC FY2019 Recommendation:** Increase the 2019 Medicare Inpatient and outpatient payment rates for acute care hospitals by 1.25%. This is the estimated update called for under current law, including an estimated 2.8% MB update less 0.8% productivity factor reduction, and less 0.75% ACA reduction.
- **MedPAC notes that overall Hospital Medicare Margins are expected to decline from -9.6% in 2016 to -11% in 2018;** In 2016, there were 21 hospital closures (mostly small, rural facilities), and 11 hospital openings.
- **MedPAC reports that Medicare inpatient utilization declined by 2.8% in 2016, with a decrease of 5.2% in medical cases, while surgical cases increased by 4.3%** (attributed to increase in hip/knee procedures, GI procedures, and Sepsis procedures. Outpatient services continued to see growth as per beneficiary outpatient utilization increased by 1.1% per beneficiary in 2016. However, chemotherapy administration increased by 7.3%, while clinic visits increased by 3.9%, and ER department visits increased by 1.9% in 2016.

Roll-Back on Payment Reform Efforts: Bundled Payments / ACO Models

- **CMS has now Scaling back the CJR Bundled Payment Demonstration & cancelled the expansion of the bundled payment program for Cardiac procedures (AMI & CABG) & Hip/Femur Surgeries** – was to take effect on July 1, 2017 in 98 markets for Cardiac, and 67 markets for Hip/Femur (same 67 as CCJR demo)
- **MedPAC has also called for Repealing Physician MIPS program** (VBP that was part of MACRA legislation)

26 Source: BofA Merrill Lynch Global Research

Inpatient Psychiatric Hospital Payment Issues

Inpatient Psychiatric Hospital Payment Issues:

- **Final FY2018 Medicare Inpatient Psych Facility payment update included a net 0.99% increase.** Overall, CMS estimates total Inpatient Psych Medicare payments will increase by \$45 million in FY2018.
- CMS Continues to Analyze Possible Future Refinements to the IPF Payment System
- CMS once again stated that they "will continue to collect data and analyze them for both timeliness and accuracy with the expectation that these data will be used in a future refinement." We note that CMS has continued to analyze IPF PPS data for possibly payment refinement for several years, without any action.
- CMS again noted that its preliminary analysis of 2012 and 2013 data found that over 20% of IPF stays reported no ancillary costs, such as laboratory and drug costs in their claims. CMS notes that they would expect that most patients requiring inpatient hospitalization would need drugs and laboratory services, and consequently, CMS plans to share its findings regarding these claims with no ancillary services to the Center for Program Integrity for further investigation.

Post-Acute Sector Regulatory Issues

Rate / Regulatory issues

- **Post-Acute Payments – for 2018 mandated at 1% update;** However, Long-Term Acute Care hospitals still working through shift to site-neutral payment reforms;
- **SNFs & Home Health** - CMS has proposed significant payment refinements for Skilled Nursing Facilities for 2019, but has delayed proposed payment reforms for Home Health that were to take effect in 2019, that may have included 4.3% cuts.
- **MedPAC Post-Acute PPS Payment Recommendation:** MedPAC recommends that Congress should direct the Secretary to begin to base Medicare payments to Post-Acute Care (PAC) providers on a blend of the setting specific relative weights and unified PAC prospective payment system (PPS) relative weights in FY2019.
 - **Home Health Agencies:** MedPAC estimates that Medicare Home Health margins will decline from 15.5% in 2016 to 14.4% in 2018. MedPAC recommends that Congress should: Reduce Medicare payment for home health agencies by 5% in 2019; Implement a 2-year rebasing of the payment system beginning in 2020; Direct the Secretary to revise the PPS to eliminate the use of therapy visits as a factor in payment determinations, concurrent with rebasing
 - **Skilled Nursing Facilities:** MedPAC noted that Medicare Advantage plans typically pay 15-20% less than Medicare FFS for per diem SNF rates. MedPAC recommends that Congress should: Eliminate MB update for SNFs in FY2019 and FY2020; Implement a redesigned PPS system for FY2019; and HHS/CMS should report to Congress on the impacts of the revised PPS and make any additional adjustments to payments needed to more closely align SNF payments with costs in FY2021.
 - **Inpatient Rehab Facilities:** MedPAC notes that IRF Medicare margins remain high, but, will decline from 13.0% in 2016 to 11.9% in 2018. MedPAC recommends Congress should: Reduce the FY2019 Medicare payment rates for inpatient rehab facilities by 5% (same as last year's recommendation)
 - **Long-Term Acute Care Hospitals:** MedPAC notes that LTCH margins for qualifying cases are expected to decline from 6.3% in 2016 down to 4.7% in 2018. MedPAC notes that since 2012, the number of LTCH cases per beneficiary has declined each year, with a drop in 2016 of 4.2% in LTCH cases per 10,000 FFS beneficiaries. MedPAC recommends that the Secretary should: Eliminate the FY2019 Medicare payment update for LTCHs.

Physician Payment Reforms - MACRA

Payment Reforms for Physicians

- **Final 2018 Medicare Physician Payment Update calls for essentially flat payments in 2018 (+0.3%),** however, freestanding imaging centers remain under pressure:
 - Independent Pathology Labs: -4% (better than the -6% proposed)
- **Annual Updates:**
 - **2016 through 2019:** +0.5% per year
 - **2020 through 2025:** No update
 - **2026 and Beyond:** 0.75% Update for physicians in APM; 0.25% Update for all other physicians
- **Alternative Payment Models:** 5% bonus payment to all physicians who quality beginning in 2019, through 2024
- **Merit Based Incentive Payment System** – Value based purchasing program for physicians:
 - **2019:** +/- 4%
 - **2020:** +/- 5%
 - **2021:** +/- 7%
 - **2022 and beyond** +/-9%
- **However, MedPAC recommends** scrapping the MIPS program, and replace with Establish a new Voluntary Value Program (VVP) and increase Medicare payment rates for physicians by the amount specified under current law (0.5%) for 2019.

29

Source: BofA Merrill Lynch Global Research

Other Provider Sector Regulatory Issues

Rate / Regulatory issues

- **ASC Payments:** CMS finalized an increase of +1.2% in ASC payment rates for 2018. CMS estimates that total Medicare ASC payments will increase by \$130 million in 2018 to \$4.6 billion, after incorporating utilization, enrollment, and case-mix changes.
 - **MedPAC recommends** eliminating the payment update for ASCs in 2019 and require ASCs to report cost data to CMS.
- **Clinical Lab Payment Reforms (PAMA)** – CMS finalized PAMA lab payment reforms/cuts for 2018, with net 4-5% cuts in 2018, and larger cuts of 8-9% in 2019 and 2020.
 - Industry is pursuing both regulatory and legislative relief – but, we do not expect to see much traction for changes
 - Drugs of Abuse testing did receive a reprieve on its payment cuts for 2018, as payments for these tests will decline by 2.75% in 2018 (vs. original 10% proposed cut)
- **Dialysis Payments:** CMS released its final 2018 Medicare dialysis payment regulation including a net 0.5% payment increase. CMS estimates total Medicare payments for ESRD facilities will increase \$60 million to \$9.8 billion in 2018 with FFS dialysis enrollment increasing by 1.6% in 2018.
 - **MedPAC recommends** increasing dialysis payment update by 1.3% in 2019 - which is the same as current law, which includes a MB update less productivity factor
- **Hospice Payments:** CMS finalized FY2018 hospice payments including a net payment increase of 1.0%, or \$180 million. CMS notes that total Medicare hospice spending has grown from \$2.8 billion in 2000 to \$16.8 billion in 2016, and expects growth of 7% per year going forward.
 - MedPAC projects that Hospice Medicare margins will decline from 10% in 2015 down to 8.7% in 2018. Medicare spending on hospice rose from \$15.9 billion in 2015 to \$16.8 billion in 2016.
 - Another concern in Medicare hospice has been the growing percentage of live discharges, which moved up from 16.7% in 2015 to 16.9% in 2016.
 - **MedPAC recommends** eliminating the Medicare payment update for Hospice providers in FY2019.

30

Source: BofA Merrill Lynch Global Research

Medicare Margins – By Sector

Medicare margins by sub-sector

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016*	2017*	Medicare exposure
IRFs	16.7%	13.4%	12.4%	11.8%	9.3%	8.4%	8.7%	9.9%	11.2%	11.6%	12.5%	13.9%	13.9%	14.3%	61%
SNFs	13.8%	13.1%	12.8%	14.7%	16.7%	18.0%	19.4%	21.3%	14.1%	13.2%	12.5%	12.6%	10.5%	10.6%	40%
Home Health	16.0%	17.4%	15.8%	16.6%	17.4%	17.7%	19.1%	14.8%	14.5%	12.7%	10.8%	15.6%	8.8%	11.1%	80%
LTACs	9.0%	11.9%	9.7%	4.7%	3.7%	5.7%	6.8%	6.9%	7.5%	6.8%	4.9%	5.4%	3.3-5.9%	3.2-5.4%	66%
Outpatient Dialysis	3.9%	5.8%	5.9%	4.8%	3.2%	3.1%	2.3%	2.5%	3.9%	4.3%	2.1%	0.4%	0.8%	-1.0%	60%
Total Hospital	-3.0%	-3.0%	-4.7%	-6.0%	-7.3%	-5.3%	-4.8%	-5.4%	-5.4%	-5.4%	-5.8%	-7.1%	-9.0%	-10.0%	30-35%

*MedPAC projections.

Source: MedPAC Data Book March 2010, 2011, 2012, 2013, 2014, 2015, June 2015, MedPAC meetings Dec 2014, Jan 2016.

31

Medicaid Waiver/Flexibility Activity

Revise Medicaid Expansion Eligibility Down to 100% of FPL – From 138%

- Several states have been interested in revising its Medicaid expansion down from 138% of FPL

State Medicaid Waivers/Flexibility are Likely to Accelerate, with HHS/CMS letter to Governors

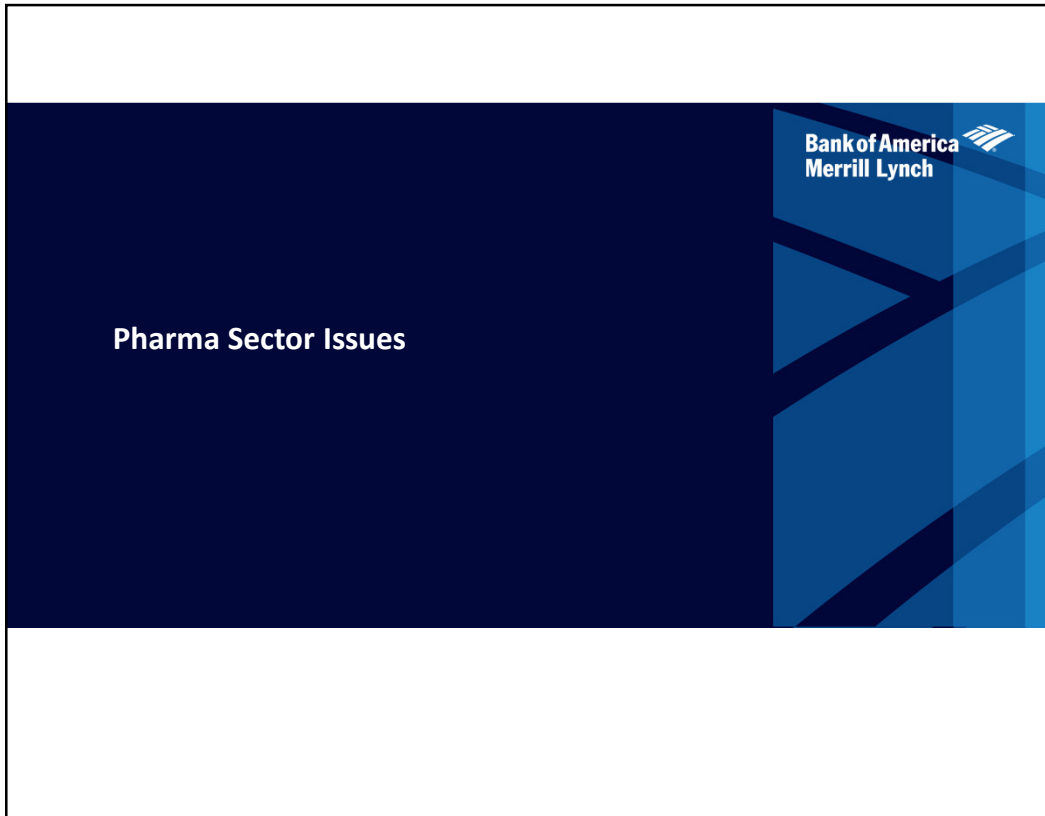

- Wisconsin waiver request: to include work requirements, drug testing, premiums, cost-sharing, etc.
- Kentucky, Maine, Massachusetts, Florida among first states to push forward on Waiver requests
 - Health Savings Accounts (based on Indiana model)
 - Work requirements
 - Cost sharing increases
 - Premium contributions
 - Drug testing
 - Benefit re-design – reduced benefits
 - Medicaid drug formularies
 - Time limits on benefits
 - Open enrollment periods

Uncompensated Care Pool Funding / Provider Taxes

- Florida received approval for \$1.5 billion in supplemental “low-income pool” funding next year, up from \$600 million
- Texas already received approval to maintain its funding
- California awaiting approval of its Hospital provider fee

Source: HHS, BofA Merrill Lynch Global Research

32

Pharmaceutical Pricing Issues

President Trump has at times continued to call for efforts to reduce drug costs

- Draft Executive Order on Drug Pricing (from June):
 - Value Based Pricing efforts likely – focus on Medicare Part B using CMS Demonstration authority
 - FDA Efforts to speed generic drug approvals /limit Branded drug companies from restricting Generic competition, focus on complex generic products.
 - Focus on supply chain & regulatory actions to reduce distortions
 - Reduce regulatory burdens / Potential limits on 340B drug discount program
 - USTR effort and “Comprehensive Review” of international drug purchasing / price differentials across countries
 - The effort that is also already underway is from FDA to address ways to speed Generics through the approval process and find ways to ensure that generics are not being limited by REMS or Citizen’s Petitions.
 - Overall, many of the proposals may be supported by Pharma

Medicare Part D Revisions for 2019

- Point of sale rebates, and pharmacy price concessions for Medicare Part D

340B Drug Discount Program Reforms / Cuts in Medicare Payments to 340B Hospitals

Not likely to see major Drug Price Legislation, However

- Re-importation, Direct Price negotiations for Part D, Part D Rebates
- More of a focus on PBMs / Transparency at both the Federal and State levels

Source: BofA Merrill Lynch Global Research

34

Key Issue – Revisions to 340B Drug Payments under Medicare HOPD

CMS Finalized Revisions to payments for Medicare Part B drugs acquired with 340B Drug Discounts

- Would reduce Medicare payment for non-pass-through, separately payable drugs (other than vaccines) acquired under the 340B Program (by \$1.6 billion)
- Reduces Medicare Part B drug payments down from ASP+6% down to ASP minus 22.5%.
- CMS would require hospitals to report a modifier with separately payable drugs that were NOT purchased under the 340B program
- CMS estimates proposal would cut Part B drug payments by \$1.6 billion, but, CMS would implement on a budget neutral basis, including a 3.2% payment increase for other HOPD services
- **Significant negative for safety net hospitals that rely on 340B Drug Discounts, while a significant boost for non-340B drug discount hospitals**

35 Source: BofA Merrill Lynch Global Research

Pharmaceutical Pricing Issues

Other Federal Legislation – Still not likely to see much movement

- Speeding approval of Generic drugs / increase incentives for generic drug entry – FDA is moving on some efforts already
- PBM Transparency legislation (Senator Wyden) – would require disclosure of PBM rebates
- CREATES Act – would limit branded drug companies from using REMS process to limit generic access to drugs
- FAIR Drug pricing Act – Would require notice of drug price increases (of 10% or more in 1 year; or 25% over 3 years)
- Improving Access to Affordable Prescription Drugs Act – Includes a wide range of proposals:
 - Drug price transparency;
 - Examination of copay coupons / patient assistance programs;
 - Direct price negotiations;
 - Accelerate closure of Medicare Part D donut hole in coverage;
 - Reimportation;
 - Medicare Part D rebates;
 - Cap on prescription drug cost-sharing;
 - Innovation prizes for development of more effective anti-biotics;
 - Limit branded-generic drug settlements;
 - Generic drug incentives;
 - Disallow tax deduction for prescription drug advertising

Source: BofA Merrill Lynch Global Research

36

Pharmaceutical Pricing Issues – State Level Issues

States Stepping up on Drug Pricing Proposals - 30 states proposed more than 60 drug price transparency bills targeting disclosure of costs, prices, profits of drug manufacturers, and disclose PBM rebates

- **Vermont (2016)** – Drug pricing transparency law - requires the state to identify up to 15 drugs that account for significant state spending and which have seen price increases of either 50 percent over five years or 15 percent over one year. Manufacturers of those products have to submit price justifications to the Attorney General;
- **California (2016) / Ohio (2017)** – Ballot initiative to limit state drug payments (Medicaid) to VA / Federal Supply Schedule payment rates. Effort failed in California in 2016, and failed in Ohio in 2017.
- **California (2017)** – Drug price transparency proposal requires a 60-day notification of price increases over a specified pricing threshold and mandates that health plans report the percentage of premiums spent on prescription drugs / Ban use of Coupons for Copayments.
- **Nevada (2017)** - Drug pricing transparency law (signed in June) - Requires drug companies to annually disclose the list prices for insulin, their profits on the diabetes drug and the discounts they provide to pharmaceutical benefit managers. Drug industry is challenging the law in Court, claims the law interferes with federal patent law, and violates the Commerce Clause.
- **Maryland (2017)** – Drug pricing transparency law - State Attorney General and Circuit Courts authority to penalize the makers of essential generic and essential off-patent medications for excessive price increases. Due to take effect on October 1, Generic drug industry is challenging the law in court.
- **Utah / Montana / New Mexico / Massachusetts** – All have implemented task forces or working groups to address different drug pricing transparency efforts, or re-importation proposals.
- **New York (2017)** – Legislation includes a Medicaid prescription drug spending growth cap, includes referral to a state Drug Utilization Review Board (DURB) for recommendations on potential supplemental rebates, or apply Medicaid prior authorization.
- **Pennsylvania (2017)** – Effort to document drug price increases, and potential alternative payment models

Source: BofA Merrill Lynch Global Research

37

Pharmaceutical Issues – Opioid Abuse

Focus on Opioids

- FDA focus on opioid abuse and prescribing issues
- CDC guidelines for prescribing and distribution of opioids
- State Attorney Generals seeking to recoup costs for improper promotion / prescribing of opioids
- Additional funding for state and federal treatment programs
- Other investigations ongoing into Opioid manufacturers, Distributors, and Pharmacies:
 - Senate report on opioid sales and marketing tactics and the promotion of pain drugs
 - Potential new authority for DEA

Source: BofA Merrill Lynch Global Research

38

Analyst Certification



I, Andrew B. Bressler, CFA, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

39

BofAML Credit Opinion Key



BofA Merrill Lynch Credit Opinion Key

BofA Merrill Lynch Global Research provides recommendations on an issuer's bonds (including corporate and sovereign external debt securities), capital securities, equity preferreds and CDSs described below. Convertible securities are not rated. An issuer level recommendation may also be provided for an issuer as explained below. BofA Merrill Lynch Global Research credit recommendations are assigned using a three-month time horizon.

Issuer Recommendations: If an issuer credit recommendation is provided, it is applicable to bonds and capital securities of the issuer except bonds and capital securities specifically referenced in the report with a different credit recommendation. Where there is no issuer credit recommendation, only individual bonds and capital securities with specific recommendations are covered. CDS and equity preferreds are rated separately and issuer recommendations do not apply to them.

BofA Merrill Lynch Global Research credit recommendations are assigned using a three-month time horizon:

Overweight: Spreads and/or excess returns are likely to outperform the relevant and comparable market over the next three months.

Marketweight: Spreads and/or excess returns are likely to perform in-line with the relevant and comparable market over the next three months.

Underweight: Spreads and/or excess returns are likely to underperform the relevant and comparable market over the next three months.

BofA Merrill Lynch Global Research uses the following rating system with respect to **Credit Default Swaps (CDS)**:

Buy Protection: Buy CDS, therefore going short credit risk.

Neutral: No purchase or sale of CDS is recommended.

Sell Protection: Sell CDS, therefore going long credit risk.

40

Important Disclosures



BofA Merrill Lynch Research Personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

BofA Merrill Lynch Global Credit Research analysts regularly interact with sales and trading desk personnel in connection with their research, including to ascertain pricing and liquidity in the fixed income markets.

41

Other Important Disclosures



Prices are indicative and for information purposes only. Except as otherwise stated in the report, for the purpose of any recommendation in relation to: (i) an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report; or (ii) a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including Bank of America Merrill Lynch trading desks.

This report may refer to fixed income securities that may not be offered or sold in one or more states or jurisdictions. Readers of this report are advised that any discussion, recommendation or other mention of such securities is not a solicitation or offer to transact in such securities. Investors should contact their BofA Merrill Lynch representative or Merrill Lynch Financial Global Wealth Management financial advisor for information relating to fixed income securities.

Rule 144A securities may be offered or sold only to persons in the U.S. who are Qualified Institutional Buyers within the meaning of Rule 144A under the Securities Act of 1933, as amended.

SECURITIES DISCUSSED HEREIN MAY BE RATED BELOW INVESTMENT GRADE AND SHOULD THEREFORE ONLY BE CONSIDERED FOR INCLUSION IN ACCOUNTS QUALIFIED FOR SPECULATIVE INVESTMENT.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

The securities discussed in this report may be traded over-the-counter. Retail sales and/or distribution of this report may be made only in states where these securities are exempt from registration or have been qualified for sale.

Officers of MLPF&S or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

This report, and the securities discussed herein, may not be eligible for distribution or sale in all countries or to certain categories of investors.

Information relating to Affiliates of MLPF&S and Distribution of Affiliate Research Reports:

BofA Merrill Lynch includes Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") and its affiliates. Investors should contact their BofA Merrill Lynch representative or Merrill Lynch Global Wealth Management financial advisor if they have questions concerning this report.

"BofA Merrill Lynch" and "Merrill Lynch" are each global brands for BofA Merrill Lynch Global Research.

MLPF&S distributes, or may in the future distribute, research reports of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSF); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd., regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc. regulated by the Investment Industry Regulatory Organization of Canada; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; Merrill Lynch (Japan): Merrill Lynch Japan Securities Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (South Korea): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; DSP Merrill Lynch (India): DSP Merrill Lynch Limited, regulated by the Securities and Exchange Board of India; Merrill Lynch (Indonesia): PT Merrill Lynch Sekuritas Indonesia, regulated by Otoritas Jasa Keuangan (OJK); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (Russia): OOO Merrill Lynch Securities, Moscow, regulated by the Central Bank of the Russian Federation; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Spain): Merrill Lynch Capital Markets Espana, S.A.S.V., regulated by Comisión Nacional del Mercado De Valores; Merrill Lynch (Brazil): Bank of America Merrill Lynch Banco Multiplo S.A., regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company, Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

42

Other Important Disclosures



This research report: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MU (UK) and Bank of America Merrill Lynch International Limited, which are authorized by the PRA and regulated by the FCA and the PRA, and is distributed in the UK to retail clients (as defined in the rules of the FCA and the PRA) by Merrill Lynch International Bank Limited, London Branch, which is authorized by the Central Bank of Ireland and subject to limited regulation by the FCA and PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been considered and distributed in Japan by Merrill Lynch (Japan), a registered securities dealer under the Financial Instruments and Exchange Act in Japan; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFIC in issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by DSP Merrill Lynch (India); and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch International Bank Limited (Merchant Bank) (MLBMB) and Merrill Lynch (Singapore) (Company Registration Nos F 06872E and 198602883D respectively). MLBMB and Merrill Lynch (Singapore) are regulated by MAS. Bank of America N.A., Australian Branch (ARBN 064 874 531), AFS License 412901 (BANA Australia) and Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distribute this report in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of BANA Australia, neither MLEA nor any of its affiliates involved in preparing this research report is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this report in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Research reports prepared and issued by Merrill Lynch (DIFC) are done so in accordance with the requirements of the DFSA conduct of business rules. Bank of America Merrill Lynch International Limited, Frankfurt Branch (BAML Frankfurt) distributes this report in Germany and is regulated by BaFin.

This research report has been prepared and issued by MLPF&S and/or one or more of its non-US affiliates. MLPF&S is the distributor of this research report in the US and accepts full responsibility for research reports of its non-US affiliates distributed to MLPF&S clients in the US. Any US person receiving this research report and wishing to effect any transaction in any security discussed in the report should do so through MLPF&S and not such foreign affiliates.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Merrill Lynch.

This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Merrill Lynch clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

43

Other Important Disclosures



Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Merrill Lynch, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

BofA Merrill Lynch is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

This report may contain a trading idea or recommendation which highlights a specific identified near-term catalyst or event impacting a security, issuer, industry sector or the market generally that presents a transaction opportunity, but does not have any impact on the analyst's particular "Overweight" or "Underweight" rating (which is based on a three month trade horizon). Trading ideas and recommendations may differ directionally from the analyst's rating on a security or issuer because they reflect the impact of a near-term catalyst or event.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in such securities and instruments effectively assume currency risk.

UK Readers: The protections provided by the U.K. regulatory regime, including the Financial Services Scheme, do not apply in general to business coordinated by BofA Merrill Lynch entities located outside of the United Kingdom. BofA Merrill Lynch Global Research policies relating to conflicts of interest are described at <http://go.bofa.com/col>.

MLPF&S or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. MLPF&S or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Merrill Lynch, through business units other than BofA Merrill Lynch Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented in this report. Such ideas or recommendations reflect the different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Merrill Lynch is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this report.

In the event that the recipient received this information pursuant to a contract between the recipient and MLPF&S for the provision of research services for a separate fee, and in connection therewith MLPF&S may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom MLPF&S has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by MLPF&S). If such recipient uses the services of MLPF&S in connection with the sale or purchase of a security referred to herein, MLPF&S may act as principal for its own account or as agent for another person. MLPF&S is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

Copyright, User Agreement and other general information related to this report:

Copyright 2018 Bank of America Corporation. All rights reserved. This research report is prepared for the use of BofA Merrill Lynch clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Merrill Lynch. BofA Merrill Lynch Global Research reports are distributed simultaneously to internal and client websites and other portals by BofA Merrill Lynch and are not publicly-available materials. Any unauthorized use or disclosure is prohibited. Receipt and review of this research report constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained in this report (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Merrill Lynch.

44

Other Important Disclosures



Materials prepared by BofA Merrill Lynch Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Merrill Lynch, including investment banking personnel. BofA Merrill Lynch has established information barriers between BofA Merrill Lynch Global Research and certain business groups. As a result, BofA Merrill Lynch does not disclose certain client relationships with, or compensation received from, such issuers in research reports. To the extent this report discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this report. BofA Merrill Lynch Global Research personnel's knowledge of legal proceedings in which any BofA Merrill Lynch entity and/or its directors, officers and employees may be plaintiffs, issuers mentioned in this report is based on public information. Facts and views presented in this material that relate to any such proceedings have not been reviewed by, discussed with, and may not reflect information known to, professionals in other business areas of BofA Merrill Lynch in connection with the legal proceedings or matters relevant to such proceedings.

This report has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of MLPF&S, any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Merrill Lynch Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Merrill Lynch and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This report may contain links to third-party websites. BofA Merrill Lynch is not responsible for the content of any third-party website or any linked content contained in a third party website. Content contained on such third-party websites is not part of this report and is not incorporated by reference into this report. The inclusion of a link in this report does not imply any endorsement by or any affiliation with BofA Merrill Lynch. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Merrill Lynch is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of the report and are subject to change without notice. Prices also are subject to change without notice. BofA Merrill Lynch is under no obligation to update this report and BofA Merrill Lynch's ability to publish research on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Merrill Lynch will not update any fact, circumstance or opinion contained in this report.

Certain outstanding reports may contain discussions and/or investment opinions relating to securities, financial instruments and/or issuers that are no longer current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with MLPF&S or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Merrill Lynch nor any officer or employee of BofA Merrill Lynch accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this report or its contents.