

HCP, INC.
Form 10-K
February 14, 2019
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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K
(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934.
For the fiscal year ended December 31, 2018

or
TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF
1934

For the transition period from _____ to _____
Commission file number 001-08895

HCP, Inc.
(Exact name of registrant as specified in its charter)
Maryland 33-0091377
(State or other jurisdiction of (I.R.S. Employer
incorporation or organization) Identification No.)

1920 Main Street, Suite 1200 92614
Irvine, California (Zip Code)
(Address of principal executive offices)
Registrant's telephone number, including area code (949) 407-0700

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Common Stock	New York Stock Exchange

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant; (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer", "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Act.) Yes No

State the aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter: \$8.7 billion.

As of February 11, 2019 there were 477,771,756 shares of common stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the definitive Proxy Statement for the registrant's 2019 Annual Meeting of Stockholders have been incorporated by reference into Part III of this Report.

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For the Fiscal Year Ended December 31, 2018

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All references in this report to “HCP,” the “Company,” “we,” “us” or “our” mean HCP, Inc., together with its consolidated subsidiaries. Unless the context suggests otherwise, references to “HCP, Inc.” mean the parent company without its subsidiaries.

Cautionary Language Regarding Forward-Looking Statements

Statements in this Annual Report on Form 10-K that are not historical factual statements are “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). Forward-looking statements include, among other things, statements regarding our and our officers’ intent, belief or expectation as identified by the use of words such as “may,” “will,” “project,” “expect,” “believe,” “intend,” “anticipate,” “seek,” “target,” “forecast,” “plan,” “potential,” “estimate,” “should” and other comparable and derivative terms or the negatives thereof. Forward-looking statements reflect our current expectations and views about future events and are subject to risks and uncertainties that could significantly affect our future financial condition and results of operations. While forward-looking statements reflect our good faith belief and assumptions we believe to be reasonable based upon current information, we can give no assurance that our expectations or forecasts will be attained. Further, we cannot guarantee the accuracy of any such forward-looking statement contained in this Annual Report, and such forward-looking statements are subject to known and unknown risks and uncertainties that are difficult to predict. As more fully set forth under “Item 1A, Risk Factors” in this report, these risks and uncertainties include, among other things:

- our reliance on a concentration of a small number of tenants and operators for a significant percentage of our revenues and net operating income;
- the financial condition of our existing and future tenants, operators and borrowers, including potential bankruptcies and downturns in their businesses, and their legal and regulatory proceedings, which results in uncertainties regarding our ability to continue to realize the full benefit of such tenants’ and operators’ leases and borrowers’ loans;
- the ability of our existing and future tenants, operators and borrowers to conduct their respective businesses in a manner sufficient to maintain or increase their revenues and manage their expenses in order to generate sufficient income to make rent and loan payments to us and our ability to recover investments made, if applicable, in their operations;
- our concentration in the healthcare property sector, particularly in senior housing, life sciences and medical office buildings, which makes our profitability more vulnerable to a downturn in a specific sector than if we were investing in multiple industries;
- operational risks associated with third party management contracts, including the additional regulation and liabilities of our RIDEA lease structures;
- the effect on us and our tenants and operators of legislation, executive orders and other legal requirements, including compliance with the Americans with Disabilities Act, fire, safety and health regulations, environmental laws, the Affordable Care Act, licensure, certification and inspection requirements, and laws addressing entitlement programs and related services, including Medicare and Medicaid, which may result in future reductions in reimbursements or fines for noncompliance;
- our ability to identify replacement tenants and operators and the potential renovation costs and regulatory approvals associated therewith;
- the risks associated with property development and redevelopment, including costs above original estimates, project delays and lower occupancy rates and rents than expected;
- the potential impact of uninsured or underinsured losses;
- the risks associated with our investments in joint ventures and unconsolidated entities, including our lack of sole decision making authority and our reliance on our partners’ financial condition and continued cooperation;
- competition for the acquisition and financing of suitable healthcare properties as well as competition for tenants and operators, including with respect to new leases and mortgages and the renewal or rollover of existing leases;
- our ability to achieve the benefits of acquisitions or other investments within expected time frames or at all, or within expected cost projections;
-

the potential impact on us and our tenants, operators and borrowers from current and future litigation matters, including the possibility of larger than expected litigation costs, adverse results and related developments;

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• changes in federal, state or local laws and regulations, including those affecting the healthcare industry that affect our costs of compliance or increase the costs, or otherwise affect the operations, of our tenants and operators;

• our ability to foreclose on collateral securing our real estate-related loans;

• volatility or uncertainty in the capital markets, the availability and cost of capital as impacted by interest rates,

• changes in our credit ratings, and the value of our common stock, and other conditions that may adversely impact our ability to fund our obligations or consummate transactions, or reduce the earnings from potential transactions;

• changes in global, national and local economic and other conditions, including currency exchange rates;

• our ability to manage our indebtedness level and changes in the terms of such indebtedness;

• competition for skilled management and other key personnel;

• our reliance on information technology systems and the potential impact of system failures, disruptions or breaches;

• and

• our ability to maintain our qualification as a real estate investment trust (“REIT”).

Except as required by law, we do not undertake, and hereby disclaim, any obligation to update any forward-looking statements, which speak only as of the date on which they are made.

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PART I

ITEM 1. Business

General Overview

HCP, an S&P 500 company, invests primarily in real estate serving the healthcare industry in the United States (“U.S.”). We are a Maryland corporation organized in 1985 and qualify as a self-administered real estate investment trust. We are headquartered in Irvine, California, with offices in Nashville and San Francisco. Our diverse portfolio is comprised of investments in the following reportable healthcare segments: (i) senior housing triple-net, (ii) senior housing operating portfolio (“SHOP”), (iii) life science and (iv) medical office. At December 31, 2018, we had 201 full-time employees.

For a description of our significant activities during 2018, see “Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations—2018 Transaction Overview” in this report.

Business Strategy

We invest and manage our real estate portfolio for the long-term to maximize the benefit to our stockholders and support the growth of our dividends. The core elements of our strategy are to:

- Acquire, develop, lease, own and manage a diversified portfolio of quality healthcare properties across multiple geographic locations and business segments, including senior housing, life science, and medical office, among others;
- Maintain an investment grade balance sheet with adequate liquidity and long-term fixed rate debt financing with staggered maturities in order to support the longer-term nature of our investments, while reducing our exposure to interest rate volatility and refinancing risk at any point in the interest rate or credit cycles;
- Align ourselves with leading healthcare companies, operators and service providers which, over the long-term, should result in higher relative rental rates, net operating cash flows and appreciation of property values; and
- Pursue operational excellence to maximize the value of our investments.

Internal Growth Strategies

We believe our real estate portfolio holds the potential for increased future cash flows as it is well-maintained and in desirable locations. Our strategy for maximizing the benefits from these opportunities is to: (i) work with new or existing tenants and operators to address their space and capital needs; and (ii) provide high-quality property management services in order to motivate tenants to renew, expand or relocate into our properties.

We expect to continue our internal growth as a result of our ability to:

Build and maintain long-term leasing and management relationships with quality tenants and operators. In choosing locations for our properties, we focus on their physical environment, adjacency to established businesses (e.g., hospital systems) and educational centers, proximity to sources of business growth and other local demographic factors.

Replace tenants and operators at the best available market terms and lowest possible transaction costs. We believe that we are well-positioned to attract new tenants and operators and achieve attractive rental rates and operating cash flow as a result of the location, design and maintenance of our properties, together with our reputation for high-quality building services and responsiveness to tenants, and our ability to offer space alternatives within our portfolio.

Extend and modify terms of existing leases prior to expiration. We structure lease extensions, early renewals or modifications, which reduce the cost associated with lease downtime or the re-investment risk resulting from the exercise of tenants’ purchase options, while securing the tenancy and relationship of our high quality tenants and operators on a long-term basis.

Investment Strategies

The delivery of healthcare services requires real estate and, as a result, tenants and operators depend on real estate, in part, to maintain and grow their businesses. We believe that the healthcare real estate market provides investment opportunities due to the: (i) compelling long-term demographics driving the demand for healthcare services; (ii) specialized nature of healthcare real estate investing; and (iii) ongoing consolidation of the fragmented healthcare real estate sector.

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While we emphasize healthcare real estate ownership, we may also provide real estate secured financing to, or invest in equity or debt securities of, healthcare operators or other entities engaged in healthcare real estate ownership. We may also acquire all or substantially all of the securities or assets of other REITs, operating companies or similar entities where such investments would be consistent with our investment strategies. We may co-invest alongside institutional or development investors through partnerships or limited liability companies.

We monitor, but do not limit, our investments based on the percentage of our total assets that may be invested in any one property type, investment vehicle or geographic location, the number of properties that may be leased to a single tenant or operator, or loans that may be made to a single borrower. In allocating capital, we target opportunities with the most attractive risk/reward profile for our portfolio as a whole. We may take additional measures to mitigate risk, including diversifying our investments (by sector, geography, tenant or operator), structuring transactions as master leases, requiring tenant or operator insurance and indemnifications, and obtaining credit enhancements in the form of guarantees, letters of credit or security deposits.

We believe we are well-positioned to achieve external growth through acquisitions, financing and development. Other factors that contribute to our competitive position include:

- our reputation gained through over 30 years of successful operations and the strength of our existing portfolio of properties;
- our relationships with leading healthcare operators and systems, investment banks and other market intermediaries, corporations, private equity firms, non-profits and public institutions seeking to monetize existing assets or develop new facilities;
- our relationships with institutional buyers and sellers of high-quality healthcare real estate;
- our track record and reputation for executing acquisitions responsively and efficiently, which provides confidence to domestic and foreign institutions and private investors who seek to sell healthcare real estate in our market areas;
- our relationships with nationally recognized financial institutions that provide capital to the healthcare and real estate industries; and
- our control of sites (including assets under contract with radius restrictions).

Financing Strategies

Our REIT qualification requires us to distribute at least 90% of our REIT taxable income (excluding net capital gains); therefore, we do not retain a significant amount of capital. As a result, we regularly access the public equity and debt markets to raise the funds necessary to finance acquisitions and debt investments, develop and redevelop properties, and refinance maturing debt.

We may finance acquisitions and other investments through the following vehicles:

- borrowings under our credit facility;
- issuance or origination of debt, including unsecured notes, term loans and mortgage debt;
- sale of ownership interests in properties or other investments; or
- issuance of common stock or preferred stock or its equivalent.

We maintain a disciplined balance sheet by actively managing our debt to equity levels and maintaining multiple sources of liquidity. Our debt obligations are primarily long-term fixed rate with staggered maturities.

We finance our investments based on our evaluation of available sources of funding. For short-term purposes, we may utilize our revolving line of credit facility, arrange for other short-term borrowings from banks or other sources, or issue equity securities pursuant to our at-the-market equity offering program. We arrange for longer-term financing by offering debt and equity securities, placing mortgage debt and obtaining capital from institutional lenders and joint venture partners.

Segments

Senior housing (triple-net and senior housing operating portfolio, or SHOP)

Our senior housing properties are owned either through triple-net leases with third party tenant-operators or through so-called RIDEA structures, which is permitted by the Housing and Economic Recovery Act of 2008, and includes most of the provisions previously proposed in the REIT Investment Diversification and Empowerment Act of 2007 (commonly referred to as "RIDEA").

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Our senior housing properties include independent living facilities (“ILFs”), assisted living facilities (“ALFs”), memory care facilities (“MCFs”), and continuing care retirement communities (“CCRCs”), which cater to different segments of the elderly population based upon their personal needs. The services provided by our third party tenant-operators under triple-net leases or by our third-party manager-operators under a RIDEA structure at our properties are primarily paid for by the residents directly or through private insurance and are less reliant on government reimbursement programs such as Medicare and Medicaid.

Our triple-net leases are typically long-term agreements with third party tenant-operators. Under triple-net leases, our tenant-operators are typically responsible for the ongoing expenses of the property, including real estate taxes, insurance, and maintenance, in addition to paying the rent and utilities. Additionally, operational risks and liabilities are the responsibility of our tenant-operator, including with respect to any employment matters, compliance with healthcare and other laws and liabilities relating to personal injury-tort matters, resident-patient quality of care claims and governmental reimbursement matters.

A RIDEA structure allows us, through a taxable REIT subsidiary (“TRS”), to receive cash flow from the operations of a healthcare facility (as compared to only receiving contractual rent from a third-party tenant-operator under a triple-net lease structure) in compliance with REIT tax requirements. The criteria for operating a healthcare facility through a RIDEA structure require us to lease the facility to an affiliate TRS under a triple-net lease, and for such affiliate TRS to engage an independent qualifying management company (also known as an eligible independent contractor or third-party operator) to manage and operate the day-to-day business of the facility in exchange for a management fee. As a result, under a RIDEA structure, we are required to rely on a third-party operator to hire and train all facility employees, enter into all third-party contracts for the benefit of the facility, including resident/patient agreements, comply with laws, including but not limited to healthcare laws, and provide resident care. We are substantially limited in our ability to control or influence day-to-day operations under a RIDEA structure, and thus rely on the third-party tenant-operator to manage and operate the business.

Unlike our triple-net leased properties, through our TRS, we bear all operational risks and liabilities associated with the operation of these properties, with limited exceptions, such as a third-party operator’s gross negligence or willful misconduct. These operational risks and liabilities include those relating to any employment matters of our operator, compliance with healthcare and other laws and liabilities relating to personal injury-tort matters, resident-patient quality of care claims, and any governmental reimbursement matters, even though we have limited ability to control or influence our third-party operators’ management of these risks.

We view RIDEA as an important structure for senior housing properties that present attractive valuation entry points and/or growth profiles, and this structure has become the preferred structure (as opposed to triple-net leases) among most high-quality operators in the senior housing industry. Many of the management agreements we have in RIDEA structured transactions have terms ranging from 5 to 15 years, with mutual renewal options. The base management fees are typically 4.5% to 5.0% of gross revenues (as defined) generated by the RIDEA properties. In addition, there are sometimes incentive management fees payable to our third-party operators if operating results of the RIDEA properties exceed pre-established thresholds. Conversely, there are sometimes provisions in the management agreements that reduce management fees payable to our third-party operators if operating results do not meet certain pre-established thresholds.

Our senior housing property types under both triple-net leases and RIDEA structures are further described below:

Independent Living Facilities. ILFs are designed to meet the needs of seniors who choose to live in an environment surrounded socially by their peers with services such as housekeeping, meals and activities. Additionally, the programs and services may include transportation, social activities, exercise and fitness programs, beauty or barber shop access, hobby and craft activities, community excursions, meals in a dining room setting and other activities sought by residents. These residents generally do not need assistance with activities of daily living (“ADL”). However, in some of our facilities, residents have the option to contract for these services.

Assisted Living Facilities. ALFs are licensed care facilities that provide personal care services, support and housing for those who need help with ADL, such as bathing, eating, dressing and medication management, yet require limited medical care. These facilities are often in apartment-like buildings with private residences ranging from single rooms to large apartments. Certain ALFs may have a dedicated portion of a facility that offers higher levels of personal

assistance for residents requiring memory care as a result of Alzheimer's disease or other forms of dementia. Levels of personal assistance are based in part on local regulations.

Memory Care Facilities. MCFs address the unique challenges of residents with Alzheimer's disease or other forms of dementia. Residents may live in semi-private apartments or private rooms and have structured activities delivered by staff members trained specifically on how to care for residents with memory impairment. These facilities offer programs that provide comfort and care in a secure environment.

Continuing Care Retirement Communities. CCRCs offer several levels of service, including independent living, assisted living and skilled nursing home care. CCRCs are different from other housing and care options for seniors because they usually provide written agreements or long-term contracts between residents and the communities (frequently lasting the term

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of the resident's lifetime), which offer a continuum of housing, services and healthcare on one campus or site. CCRCs are appealing as they allow residents to "age in place." CCRCs typically require the individual to be in relatively good health and independent upon entry.

The following table provides information about our senior housing triple-net tenant concentration for the year ended December 31, 2018:

Tenant	Percentage		Percentage	
	of	of	of	Total
	Segment	Revenues	Revenues	Revenues
Brookdale Senior Living, Inc. ("Brookdale" ⁽¹⁾)	38	%	6	%

Excludes facilities operated by Brookdale in our SHOP segment, as discussed below. Percentages of segment and total revenues include partial-year revenue earned from senior housing triple-net facilities that were sold during (1) 2018. Accordingly, the percentages of segment and total revenues are expected to decrease in 2019 (see Note 3 in the Consolidated Financial Statements).

As of December 31, 2018, Brookdale operated, in our SHOP segment, approximately 7% of our real estate investments based on total assets. Because third-party operators manage our RIDEA properties in exchange for the receipt of a management fee, we are not directly exposed to the credit risk of these operators in the same manner or to the same extent as our triple-net tenants.

Life science

These properties contain laboratory and office space primarily for biotechnology, medical device and pharmaceutical companies, scientific research institutions, government agencies and other organizations involved in the life science industry. While these properties have characteristics similar to commercial office buildings, they generally contain more advanced electrical, mechanical, and heating, ventilating and air conditioning systems. The facilities generally have specialty equipment including emergency generators, fume hoods, lab bench tops and related amenities. In many instances, life science tenants make significant investments to improve their leased space, in addition to landlord improvements, to accommodate biology, chemistry or medical device research initiatives.

Life science properties are primarily configured in business park or campus settings and include multiple buildings. The business park and campus settings allow us the opportunity to provide flexible, contiguous/adjacent expansion to accommodate the growth of existing tenants. Our properties are located in well-established geographical markets known for scientific research and drug discovery, including San Francisco (56%) and San Diego (31%), California, Boston, Massachusetts, and Durham, North Carolina (based on square feet). At December 31, 2018, 91% of our life science properties were triple-net leased (based on leased square feet).

The following table provides information about our life science tenant concentration for the year ended December 31, 2018:

Tenants	Percentage		Percentage	
	of	of	of	Total
	Segment	Revenues	Revenues	Revenues
Amgen, Inc.	14	%	3	%

Medical office

Medical office buildings ("MOBs") typically contain physicians' offices and examination rooms, and may also include pharmacies, hospital ancillary service space and outpatient services such as diagnostic centers, rehabilitation clinics and day-surgery operating rooms. While these facilities are similar to commercial office buildings, they require additional plumbing, electrical and mechanical systems to accommodate multiple exam rooms that may require sinks in every room, and special equipment such as x-ray machines. In addition, MOBs are often built to accommodate higher structural loads for certain equipment and may contain vaults or other specialized construction. Our MOBs are typically multi-tenant properties leased to healthcare providers (hospitals and physician practices), with approximately 82% of our MOBs located on hospital campuses and 94% affiliated with hospital systems (based on square feet).

Occasionally, we invest in MOBs located on hospital campuses, which may be subject to ground leases. At December 31, 2018, approximately 55% of our MOBs were net leased (based on leased square feet) with the remaining leased under gross or modified gross leases.

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The following table provides information about our medical office tenant concentration for the year ended December 31, 2018:

Tenant	Percentage of Segment Revenues	Percentage of Total Revenues
Hospital Corporation of America ("HCA") ⁽¹⁾	16 %	6 %

(1) Percentage of total revenues from HCA includes revenues earned from both our medical office and other non-reportable segments.

Other non-reportable segments. At December 31, 2018, we had interests in 14 hospitals, one post-acute/skilled nursing facility ("SNF") and debt investments. Additionally, we had interests in 25 senior housing facilities, 68 care homes in the United Kingdom ("U.K."), three MOBs and three SNFs owned and operated by our unconsolidated joint ventures. Services provided by our tenants and operators in hospitals are paid for by private sources, third-party payors (e.g., insurance and HMOs) or through Medicare and Medicaid programs. Our hospital property types include acute care, long-term acute care, and specialty and rehabilitation hospitals. Care homes offer personal care services, such as lodging, meal services, housekeeping and laundry services, medication management and assistance with ADL. Care homes are registered to provide different levels of services, ranging from personal care to nursing care. Some homes can be further registered for a specific care need, such as dementia or terminal illness. SNFs offer restorative, rehabilitative and custodial nursing care for people following a hospital stay or not requiring the more extensive and complex treatment available at hospitals. All of our care homes in the U.K., hospitals, and SNFs are triple-net leased.

Competition

Investing in real estate serving the healthcare industry is highly competitive. We face competition from other REITs, investment companies, pension funds, private equity investors, sovereign funds, healthcare operators, lenders, developers and other institutional investors, some of whom may have greater flexibility (e.g., non-REIT competitors), resources and lower costs of capital than we do. Increased competition makes it more challenging for us to identify and successfully capitalize on opportunities that meet our objectives. Our ability to compete may also be impacted by global, national and local economic trends, availability of investment alternatives, availability and cost of capital, construction and renovation costs, existing laws and regulations, new legislation and population trends.

Income from our investments depends on our tenants' and operators' ability to compete with other companies on multiple levels, including: the quality of care provided, reputation, success of product or drug development, the physical appearance of a facility, price and range of services offered, alternatives for healthcare delivery, the supply of competing properties, physicians, staff, referral sources, location, the size and demographics of the population in surrounding areas, and the financial condition of our tenants and operators. For a discussion of the risks associated with competitive conditions affecting our business, see "Item 1A, Risk Factors" in this report.

Government Regulation, Licensing and Enforcement

Overview

Our healthcare facility operators (which include our TRSs when we use a RIDEA structure) and tenants are typically subject to extensive and complex federal, state and local healthcare laws and regulations relating to quality of care, licensure and certificate of need, government reimbursement, fraud and abuse practices, and similar laws governing the operation of healthcare facilities, and we expect that the healthcare industry, in general, will continue to face increased regulation and pressure in the areas of fraud, waste and abuse, cost control, healthcare management and provision of services, among others. These regulations are wide ranging and can subject our tenants and operators to civil, criminal and administrative sanctions. Affected tenants and operators may find it increasingly difficult to comply with this complex and evolving regulatory environment because of a relative lack of guidance in many areas as certain of our healthcare properties are subject to oversight from several government agencies, and the laws may vary from

one jurisdiction to another. Changes in laws, regulations, reimbursement enforcement activity and regulatory non-compliance by our tenants and operators can all have a significant effect on their operations and financial condition, which in turn may adversely impact us, as detailed below and set forth under “Item 1A, Risk Factors” in this report.

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The following is a discussion of certain laws and regulations generally applicable to our operators, and in certain cases, to us.

Fraud and Abuse Enforcement

There are various extremely complex U.S. federal and state laws and regulations (and in relation to our facilities located in the U.K., national laws and regulations of England, Scotland, Northern Ireland, and Wales) governing healthcare providers' relationships and arrangements and prohibiting fraudulent and abusive practices by such providers. These laws include: (i) U.S. federal and state false claims acts and U.K. anti-fraud legislation and regulation, which, among other things, prohibit providers from filing false claims or making false statements to receive payment from Medicare, Medicaid or other U.S. federal or state or U.K. healthcare programs; (ii) U.S. federal and state anti-kickback and fee-splitting statutes, including the Medicare and Medicaid anti-kickback statute, which prohibit or restrict the payment or receipt of remuneration to induce referrals or recommendations of healthcare items or services, and U.K. legislation and regulations on financial inducements and vested interests; (iii) U.S. federal and state physician self-referral laws (commonly referred to as the "Stark Law"), which generally prohibit referrals by physicians to entities with which the physician or an immediate family member has a financial relationship; and (iv) the federal Civil Monetary Penalties Law, which prohibits, among other things, the knowing presentation of a false or fraudulent claim for certain healthcare services. Violations of U.S. and U.K. healthcare fraud and abuse laws carry civil, criminal and administrative sanctions, including punitive sanctions, monetary penalties, imprisonment, denial of Medicare and Medicaid reimbursement and potential exclusion from Medicare, Medicaid or other federal or state healthcare programs. These laws are enforced by a variety of federal, state and local agencies and in the U.S. can also be enforced by private litigants through, among other things, federal and state false claims acts, which allow private litigants to bring qui tam or "whistleblower" actions. Many of our tenants and operators are subject to these laws, and may become the subject of governmental enforcement actions or whistleblower actions if they fail to comply with applicable laws. Additionally, beginning in November 2019, the licensed operators of our U.S. long-term care facilities will be required to have compliance and ethics programs that meet the requirements of federal laws and regulations relating to the Social Security Act. We have begun the process of developing and implementing such programs.

Laws and Regulations Governing Privacy and Security

There are various U.S. federal and state and U.K. privacy laws and regulations, including the privacy and security rules contained in the Health Insurance Portability and Accountability Act of 1996 (commonly referred to as "HIPAA") and the U.K. Data Protection Act 1998, which provide for the privacy and security of personal health information. An increasing focus of the U. S. Federal Trade Commission's ("FTC's") consumer protection regulation is the impact of technological change on protection of consumer privacy. The FTC, as well as state attorneys general, have taken enforcement action against companies that do not abide by their representations to consumers regarding electronic security and privacy. To the extent we or our affiliated operating entities are a covered entity or business associate under HIPAA and the Health Information Technology for Economic and Clinical Health Act (the "HITECH Act"), compliance with those requirements would require us to, among other things, conduct a risk analysis, implement a risk management plan, implement policies and procedures, and conduct employee training. In most cases, we are dependent on our tenants and management companies to fulfill our compliance obligations, and we are in the process of developing programs to comply with aspects of these laws that cannot be delegated to third parties. Because of the far reaching nature of these laws, there can be no assurance that we would not be required to alter one or more of our systems and data security procedures to be in compliance with these laws. Our failure to protect health information could subject us to civil or criminal liability and adverse publicity, and could harm our business and impair our ability to attract new customers and residents. We may be required to notify individuals, as well as government agencies and the media, if we experience a data breach.

Reimbursement

Sources of revenue for some of our tenants and operators include, among others, governmental healthcare programs, such as the federal Medicare programs and state Medicaid programs and, in the U.K., the National Health Service ("NHS") and local authority funding, and non-governmental third-party payors, such as insurance carriers and HMOs. As federal and state governments focus on healthcare reform initiatives, and as the federal government and many

states face significant current and future budget deficits, efforts to reduce costs by these payors will likely continue, which may result in reduced or slower growth in reimbursement for certain services provided by some of our tenants and operators. Similarly, in the U.K., the NHS and the local authorities are undertaking efforts to reduce costs, which may result in reduced or slower growth in reimbursement for certain services provided by our U.K. tenants and operators. Additionally, new and evolving payor and provider programs in the U.S., including but not limited to Medicare Advantage, Dual Eligible, Accountable Care Organizations, and Bundled Payments could adversely impact our tenants' and operators' liquidity, financial condition or results of operations.

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Healthcare Licensure and Certificate of Need

Certain healthcare facilities in our portfolio (including our facilities located in the U.K.) are subject to extensive national, federal, state and local licensure, certification and inspection laws and regulations. A healthcare facility's failure to comply with these laws and regulations could result in a revocation, suspension, restriction or non-renewal of the facility's license and loss of a certificate of need, which could adversely affect the facility's operations and ability to bill for items and services provided at the facility. In addition, various licenses and permits are required to handle controlled substances (including narcotics), operate pharmacies, handle radioactive materials and operate equipment. Many states in the U.S. require certain healthcare providers to obtain a certificate of need, which requires prior approval for the construction, expansion or closure of certain healthcare facilities. The approval process related to state certificate of need laws may impact the ability of some of our tenants and operators to expand or change their businesses.

Product Approvals

While our life science tenants include some well-established companies, other tenants are less established and, in some cases, may not yet have a product approved by the Food and Drug Administration, or other regulatory authorities, for commercial sale. Creating a new pharmaceutical product or medical device requires substantial investments of time and capital, in part because of the extensive regulation of the healthcare industry; it also entails considerable risk of failure in demonstrating that the product is safe and effective and in gaining regulatory approval and market acceptance.

Senior Housing Entrance Fee Communities

Certain of our senior housing facilities, primarily the CCRCs in our unconsolidated joint ventures, are operated as entrance fee communities. Generally, an entrance fee is an upfront fee or consideration paid by a resident, a portion of which may be refundable, in exchange for some form of long-term benefit, typically consisting of a right to receive certain personal or health care services. Some of the entrance fee communities are subject to significant state regulatory oversight, including, for example, oversight of each facility's financial condition, establishment and monitoring of reserve requirements and other financial restrictions, the right of residents to cancel their contracts within a specified period of time, the right of residents to receive a refund of their entrance fees, lien rights in favor of the residents, restrictions on change of ownership and similar matters.

Americans with Disabilities Act (the "ADA")

Our properties must comply with the ADA and any similar state or local laws to the extent that such properties are "public accommodations" as defined in those statutes. The ADA may require removal of barriers to access by persons with disabilities in certain public areas of our properties where such removal is readily achievable. To date, we have not received any notices of noncompliance with the ADA that have caused us to incur substantial capital expenditures to address ADA concerns. Should barriers to access by persons with disabilities be discovered at any of our properties, we may be directly or indirectly responsible for additional costs that may be required to make facilities ADA-compliant. Noncompliance with the ADA could result in the imposition of fines or an award of damages to private litigants. The obligation to make readily achievable accommodations pursuant to the ADA is an ongoing one, and we continue to assess our properties and make modifications as appropriate in this respect.

Environmental Matters

A wide variety of federal, state and local environmental and occupational health and safety laws and regulations affect healthcare facility operations. These complex federal and state statutes, and their enforcement, involve a myriad of regulations, many of which involve strict liability on the part of the potential offender. Some of these federal and state statutes may directly impact us. Under various federal, state and local environmental laws, ordinances and regulations, an owner of real property or a secured lender, such as us, may be liable for the costs of removal or remediation of hazardous or toxic substances at, under or disposed of in connection with such property, as well as other potential costs relating to hazardous or toxic substances (including government fines and damages for injuries to persons and adjacent property). The cost of any required remediation, removal, fines or personal or property damages and any related liability therefore could exceed or impair the value of the property and/or the assets. In addition, the presence of such substances, or the failure to properly dispose of or remediate such substances, may adversely affect the value of such property and the owner's ability to sell or rent such property or to borrow using such property as collateral

which, in turn, could reduce our earnings. For a description of the risks associated with environmental matters, see “Item 1A, Risk Factors” in this report.

Insurance

We obtain various types of insurance to mitigate the impact of property, business interruption, liability, flood, windstorm, earthquake, fire, environmental and terrorism-related losses. We attempt to obtain appropriate policy terms, conditions, limits and deductibles considering the relative risk of loss, the cost of such coverage and current industry practice. There are, however, certain

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types of extraordinary losses, such as those due to acts of war or other events that may be either uninsurable or not economically insurable. In addition, we have a large number of properties that are exposed to earthquake, flood and windstorm occurrences which carry higher deductibles.

We maintain property insurance for all of our properties. Tenants under triple-net leases, primarily in our senior housing triple-net segment, are required to provide primary property, business interruption and liability insurance. We maintain separate general and professional liability insurance for our SHOP facilities. Additionally, our corporate general liability insurance program also extends coverage for all of our properties beyond the aforementioned. We periodically review whether we or our RIDEA operators will bear responsibility for maintaining the required insurance coverage for the applicable SHOP properties, but the costs of such insurance are facility expenses paid from the revenues of those properties, regardless of who maintains the insurance.

We also maintain directors and officers liability insurance which provides protection for claims against our directors and officers arising from their responsibilities as directors and officers. Such insurance also extends to us in certain situations.

Sustainability

We believe that sustainability initiatives are a vital part of corporate responsibility, which supports our primary goal of increasing stockholder value through profitable growth. We continue to advance our commitment to sustainability, with a focus on achieving goals in each of the environmental, social and governance (“ESG”) dimensions of sustainability.

Our environmental management programs strive to capture cost efficiencies that ultimately benefit our investors, tenants, operators, employees and other stakeholders, while providing a positive impact on the communities in which we operate. Our social responsibility committee leads our local philanthropic and volunteer activities, and our transparent corporate governance initiatives incorporate sustainability as a critical component in achieving our business objectives and properly managing risks.

Our 2018 sustainability achievements include being recognized by the CDP (formerly the Carbon Disclosure Project) 2018 Climate Change Program. We completed CDP’s annual investor survey for the seventh consecutive year, received a score of A- for our disclosure and were named to the Leadership Band. CDP collects and publishes the environmental data on behalf of more than 650 investors. We were also named a constituent in the FTSE4Good Index for the seventh consecutive year. We achieved the Green Star designation from the Global Real Estate Sustainability Benchmark (GRESB). We were named a constituent in the North America Dow Jones Sustainability Index (“DJSI”) for the sixth consecutive year. The list is compiled according to the results of RobecoSAM’s annual Corporate Sustainability Assessment, which also determines constituency for the DJSI series. For additional information regarding our ESG sustainability initiatives and our approach to climate change, please visit our website at www.hcpi.com/sustainability.

Available Information

Our website address is www.hcpi.com. Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and any amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (the “Exchange Act”) are available on our website, free of charge, as soon as reasonably practicable after we electronically file such materials with, or furnish them to, the U.S. Securities and Exchange Commission (“SEC”). Additionally, the SEC maintains a website that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC, including us, at www.sec.gov.

ITEM 1A. Risk Factors

The section below discusses the most significant risk factors that may materially adversely affect our business, results of operations and financial condition.

As set forth below, we believe that the risks we face generally fall into the following categories:

• risks related to our business and operations;

- risks related to our capital structure and market conditions;
- risks related to other events; and
- risks related to tax, including REIT-related risks.

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We depend on one tenant and operator, Brookdale, for a significant percentage of our revenues and net operating income. Continuing adverse developments, including operational challenges, in Brookdale's business and affairs or financial condition would likely have a materially adverse effect on us.

We own our senior housing properties utilizing triple-net lease and RIDEA structures. As of December 31, 2018, Brookdale (i) leased 43 properties in our senior housing triple-net segment, (ii) managed on our behalf 35 properties in our SHOP segment, and (iii) managed 15 CCRCs and one additional SHOP property owned by our unconsolidated joint ventures with Brookdale in our Other segment. These properties represent a significant portion of our portfolio, revenues and operating income.

Properties managed by Brookdale in our SHOP segment as of December 31, 2018, accounted for 7% of our real estate investments based on total assets. Under RIDEA, we are required to engage a third-party operator, such as Brookdale, that meets the requirements of an "eligible independent contractor" to manage and operate the day-to-day business of the properties. As required under RIDEA, the operator provides comprehensive property management and accounting services for these properties and we are limited in our ability to control or influence operations. Accordingly, we rely on the operator's personnel, expertise, technical resources, regulatory compliance programs, information systems, proprietary information, good faith and judgment to manage and operate these properties efficiently and effectively. We also must rely on the operator to set appropriate resident fees, manage occupancy, provide accurate and complete property-level financial results for these properties in a timely manner and otherwise operate them in compliance with the terms of our management agreements and all applicable laws and regulations. However, as the owner of the property under a RIDEA structure, we are ultimately responsible for any operating deficits and other liabilities resulting from the operation of these properties, subject to limited exceptions such as gross negligence or willful misconduct by our operators. See, "—We assume operational risks with respect to our SHOP properties managed in RIDEA structures that could have a material adverse effect our business, results of operations and financial condition." Properties leased by Brookdale in our triple-net segment accounted for 6% of our total revenues for the year ended December 31, 2018. In its capacity as a triple-net tenant, Brookdale is contractually obligated to pay all insurance, tax, utilities, maintenance and repair expenses in connection with the leased properties. Brookdale may not have sufficient assets, income and access to financing to enable it to satisfy its obligations to us, and any failure by Brookdale to do so would have a material adverse effect on us. In addition, we depend on Brookdale's maintenance and repair of the properties to remain competitive and attract and retain patients and residents. Adverse developments in Brookdale's business and related declining rent coverage ratios have increased its credit risk. If these adverse developments result in prolonged inadequate property maintenance or improvements, or impair Brookdale's access to capital necessary for maintenance or improvements, it could lead to a reduction in occupancy rates and market rents and have a materially adverse effect on us.

Brookdale has experienced challenges in recent years, including with respect to operational performance and stockholder activism, among others. Brookdale, as well as other operators, have been adversely affected by increased competition that has negatively impacted occupancy rates, as well as by increases in expenses, including increased labor costs. Brookdale's challenges could divert management's attention, increase employee turnover, and impair its ability to operate our properties efficiently and effectively. These challenges and any adverse developments in Brookdale's business, affairs and financial results could result in, among other adverse events, declining operational and financial performance of our properties.

We have been in the process of reducing our exposure to Brookdale through asset sales and transitions to other operators (see "Management's Discussion and Analysis of Financial Condition and Results of Operations—2018 Transaction Overview—Brookdale Transactions Update" for more information). If we determine to sell or transition additional properties currently leased to or managed by Brookdale, we may experience operational challenges and/or significantly declining financial performance for those properties, as we did with Brookdale properties sold or transitioned in 2018. Any failure of Brookdale to maintain the performance of our properties or to meet its obligations to us under its leases and management agreements could materially reduce our cash flow, net operating income and results of operations and have other materially adverse effects on our business, results of operations and financial

condition.

We assume operational risks with respect to our SHOP properties managed in RIDEA structures that could have a material adverse effect on our business, results of operations and financial condition.

RIDEA permits REITs, such as us, to own or partially own qualified healthcare properties in a structure through which we can participate directly in the cash flow of the properties' operations (as compared to receiving only contractual rent payments under a triple-net lease) in compliance with REIT requirements. The criteria for operating a qualified healthcare property in a RIDEA structure requires us to lease the property to an affiliate TRS and for such affiliate TRS to engage an independent qualifying management company, or operator (also known as an eligible independent contractor) to manage and operate the day-to-day business of the property. The operator performs its services in exchange for a management fee. As a result, under a RIDEA structure,

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we are required to rely on our operator to manage and operate the property, including hiring and training all employees, entering into all third-party contracts for the benefit of the property, including resident/patient agreements, complying with laws, including but not limited to healthcare laws, and providing resident care. However, as the owner of the property under a RIDEA structure, our TRS, and hence we, are ultimately responsible for all operational risks and other liabilities of the property, other than those arising out of certain actions by our operator, such as gross negligence or willful misconduct. Operational risks include, and our resulting revenues therefore depend on, among other things: occupancy rates; the entrance fees and rental rates charged to residents; Medicare and Medicaid reimbursement rates, to the extent applicable; our operator's reputation and ability to attract and retain residents; general economic conditions and market factors that impact seniors; competition from other senior housing providers; compliance with federal, state, local and industry-regulated licensure, certification and inspection laws, regulations and standards; litigation involving our properties or residents/patients; the availability and cost of general and professional liability insurance coverage; and the ability to control operating expenses. Although we are permitted under a RIDEA structure to have certain general oversight approval rights (e.g., budgets, material contracts, etc.) and the right to review operational and financial reporting information, our operators are ultimately in control of the day-to-day business of the property. As a result, we have limited rights to direct or influence the business or operations of our properties in the SHOP segment and we depend on our operators to operate these properties in a manner that complies with applicable law, minimizes legal risk and maximizes the value of our investment. When we use a RIDEA structure, our TRS is generally required to be the holder of the applicable healthcare license and is the entity that is enrolled in government healthcare programs (i.e., Medicare, Medicaid), where applicable. As the holder of a healthcare license, our TRS and we (through our ownership interest in our TRS) are subject to various regulatory laws. Most states regulate and inspect healthcare property operations, patient care, construction and the safety of the physical environment. However, we are required under RIDEA to rely on our operators to oversee and direct these aspects of the properties' operations to ensure compliance with these applicable laws and regulations. If one or more of our healthcare properties fails to comply with applicable laws, our TRS would be responsible (except in limited circumstances, such as the gross negligence or willful misconduct of our operators, where we would have a contractual claim against them), which could subject our TRS to penalties including loss or suspension of licenses and certificates of need, certification or accreditation, exclusion from government healthcare programs (i.e., Medicare, Medicaid), administrative sanctions and civil monetary penalties. Some states also reserve the right to sanction affiliates of a licensee when they take administrative action against the licensee. Additionally, when we receive individually identifiable health information relating to residents of our healthcare properties, we are subject to federal and state data privacy and security laws and rules, and could be subject to liability in the event of an audit, complaint, cybersecurity attack or data breach. Furthermore, our TRS has exposure to professional liability claims that could arise out of resident claims, such as quality of care, and the associated litigation costs. Rents received from the TRS in a RIDEA structure are treated as qualifying rents from real property for REIT tax purposes only if (i) they are paid pursuant to a lease of a "qualified healthcare property" and (ii) the operator qualifies as an "eligible independent contractor," as defined in the Internal Revenue Code of 1986, as amended (the "Code"). If either of these requirements are not satisfied, then the rents will not be qualifying rents. Decreases in our tenants', operators' or borrowers' revenues or increases in their expenses could affect their ability to meet their financial and other contractual obligations to us. Our leases consist of triple-net leases, in which we lease our properties directly to tenants and operators, as well as RIDEA leases, in which we lease our properties to an affiliate TRS that enters into a management agreement with an eligible independent contractor, or operator, to manage and oversee the day-to-day business and operations of the properties. We are also a direct or indirect lender to various tenants and operators and separately provide loans to certain third parties. We have very limited control over the success or failure of our tenants', operators' and borrowers' businesses, regardless of the structure of our relationship with them. Any of our triple-net tenants or operators under a RIDEA structure may experience a downturn in their business that materially weakens their financial condition. As a result, they may fail to make payments or perform their obligations when due. Although we generally have arrangements and other agreements that give us the right under specified circumstances to terminate a lease, evict a tenant or terminate our operator, or demand immediate repayment of outstanding loan amounts or other obligations to

us, we may not be able to enforce such rights or we may determine not to do so if we believe that enforcement of our rights would be more detrimental to our business than seeking alternative approaches.

Our senior housing tenants and our SHOP segment under a RIDEA structure primarily depend on private sources for their revenues and the ability of their patients and residents to pay fees. Costs associated with independent and assisted living services are not generally reimbursable under governmental reimbursement programs such as Medicare and Medicaid. Accordingly, our tenants and operators of our SHOP segments depend on attracting seniors with appropriate levels of income and assets, which may be affected by many factors including prevailing economic and market trends, consumer confidence and demographics. Consequently, if our tenants or operators on our behalf fail to effectively conduct their operations, or to maintain and improve our properties, it could adversely affect our business reputation as the owner of the properties, as well as the business reputation of our tenants or

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operators and their ability to attract and retain patients and residents in our properties, which could have a materially adverse effect on our and our tenant's or operator's business, results of operations and financial condition.

Our senior housing tenants and our SHOP segment under a RIDEA structure also rely on reimbursements from governmental programs for a portion of the revenues from certain properties. Changes in reimbursement policies and other governmental regulation, such as potential changes to, or repeal of, the Patient Protection and Affordable Care Act, along with the Health Care and Education Reconciliation Act of 2010 (the "Affordable Care Act"), that may result from actions by Congress or executive orders, may result in reductions in our tenants' revenues or in our revenues from our RIDEA structures, operations and cash flows and affect our tenants' ability to meet their obligations to us or our financial performance through a RIDEA structure. In addition, failure to comply with reimbursement regulations or other laws applicable to healthcare providers could result in penalties, fines, litigation costs, lost revenue or other consequences, which could adversely impact our tenants' ability to make contractual rent payments to us under a triple-net lease or our cash flows from operations under a RIDEA structure. For a further discussion of the legislation and regulation that are applicable to us and our tenants, operators and borrowers, see "—The requirements of, or changes to, government reimbursement programs such as Medicare or Medicaid, may adversely affect our tenants', operators' and borrowers' ability to meet their financial and other contractual obligations to us."

Revenues of our senior housing tenants and our SHOP segment under a RIDEA structure are also dependent on a number of other factors, including licensed bed capacity, occupancy, the healthcare needs of residents, the rate of reimbursement, the income and assets of seniors in the regions in which we own properties, and social and environmental factors. For example, due to generally increased vulnerability to illness, a severe flu season, an epidemic or any other widespread illness could result in early move-outs or delayed move-ins during quarantine periods, which would reduce our operators' revenues. Additionally, new and evolving payor and provider programs in the United States, including but not limited to Medicare Advantage, Dual Eligible, Accountable Care Organizations, Bundled Payments and other value-based reimbursement arrangements, have resulted in reduced reimbursement rates, average length of stay and average daily census, particularly for higher acuity patients. If our tenants fail to maintain revenues sufficient to meet their financial obligations to us, our business, results of operations and financial condition would be materially adversely affected. Similarly, if our operators under a RIDEA structure underperform, our business, results of operations and financial condition would also be materially adversely affected.

Increased competition and market changes have resulted and may further result in lower net revenues for some of our tenants, operators and borrowers and may affect their ability to meet their financial and other contractual obligations to us.

The healthcare industry is highly competitive. The occupancy levels at, and rental income from, our properties are dependent on our ability and the ability of our tenants, operators and borrowers to compete with other tenants and operators on a number of different levels, including the quality of care provided, reputation, the physical appearance of a property, price, the range of services offered, family preference, alternatives for healthcare delivery, the supply of competing properties, physicians, staff, referral sources, location, and the size and demographics of the population in the surrounding area. In addition, our tenants, operators and borrowers face an increasingly competitive labor market for skilled management personnel and nurses. An inability to attract and retain skilled management personnel and nurses and other trained personnel could negatively impact the ability of our tenants, operators and borrowers to meet their obligations to us. A shortage of nurses or other trained personnel, union activities or general inflationary pressures on wages may force tenants, operators and borrowers to enhance pay and benefits packages to compete effectively for skilled personnel, or to use more expensive contract personnel, but they be unable to offset these added costs by increasing the rates charged to residents. Any increase in labor costs and other property operating expenses or any failure by our tenants, operators or borrowers to attract and retain qualified personnel could adversely affect our cash flow and have a materially adverse effect on our business, results of operations and financial condition.

Our tenants, operators and borrowers also compete with numerous other companies providing similar healthcare services or alternatives such as home health agencies, life care at home, community-based service programs, retirement communities and convalescent centers. This competition, which is due, in part, to over-development in some segments in which we invest, has caused the occupancy rate of newly constructed buildings to slow and the monthly rate that many newly built and previously existing properties were able to obtain for their services to

decrease. Our tenants, operators and borrowers may be unable to achieve occupancy and rate levels, and to manage their expenses, in a way that will enable them to meet all of their obligations to us. Further, many competing companies may have resources and attributes that are superior to those of our tenants, operators and borrowers. Our tenants, operators and borrowers may encounter increased competition that could limit their ability to maintain or attract residents or expand their businesses or to manage their expenses, which could materially adversely affect their ability to meet their financial and other contractual obligations to us, potentially decreasing our revenues, impairing our assets and/or increasing collection and dispute costs.

The financial deterioration, insolvency or bankruptcy of one or more of our major tenants, operators or borrowers may materially adversely affect our business, results of operations and financial condition.

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A downturn in any of our tenants', operators' or borrowers' businesses could ultimately lead to voluntary or involuntary bankruptcy or similar insolvency proceedings, including but not limited to assignment for the benefit of creditors, liquidation, or winding-up. Bankruptcy and insolvency laws afford certain rights to a defaulting tenant, operator or borrower that has filed for bankruptcy or reorganization that may render certain of our remedies unenforceable or, at the least, delay our ability to pursue such remedies and realize any related recoveries. For example, we cannot evict a tenant or operator solely because of its bankruptcy filing.

A debtor has the right to assume, or to assume and assign to a third party, or to reject its executory contracts and unexpired leases in a bankruptcy proceeding. If a debtor were to reject its leases with us, obligations under such rejected leases would cease. The claim against the rejecting debtor would be an unsecured claim, which would be limited by the statutory cap set forth in the U.S. Bankruptcy Code. This statutory cap may be substantially less than the remaining rent actually owed under the lease. In addition, a debtor may also assert in bankruptcy proceedings that leases should be re-characterized as financing agreements, which could result in our being deemed a lender instead of a landlord. A lender's rights and remedies, as compared to a landlord's, generally are materially less favorable, and our rights as a lender may be subordinated to other creditors' rights.

Furthermore, the automatic stay provisions of the U.S. Bankruptcy Code would preclude us from enforcing our remedies unless we first obtain relief from the court having jurisdiction over the bankruptcy case. This would effectively limit or delay our ability to collect unpaid rent or interest payments, and we may ultimately not receive any payment at all. In addition, we would likely be required to fund certain expenses and obligations (e.g., real estate taxes, insurance, debt costs and maintenance expenses) to preserve the value of our properties, avoid the imposition of liens on our properties or transition our properties to a new tenant or operator. Additionally, we lease many of our properties to healthcare providers who provide long-term custodial care to the elderly. Evicting these operators for failure to pay rent while the property is occupied may involve specific procedural or regulatory requirements and may not be successful. Even if eviction is possible, we may determine not to do so due to reputational or other risks. Bankruptcy or insolvency proceedings typically also result in increased costs to the operator, significant management distraction and performance declines. If we are unable to transition affected properties, they would likely experience prolonged operational disruption, leading to lower occupancy rates and further depressed revenues. Publicity about the operator's financial condition and insolvency proceeds may also negatively impact their and our reputations, decreasing customer demand and revenues. Any or all of these risks could have a material adverse effect on our revenues, results of operations and cash flows. These risks would be magnified where we lease multiple properties to a single operator under a master lease, as an operator failure or default under a master lease would expose us to these risks across multiple properties.

We depend on investments in the healthcare property sector, making our profitability more vulnerable to a downturn or slowdown in that specific sector than if we were investing in multiple industries.

We concentrate our investments in the healthcare property sector. As a result, we are subject to risks inherent to investments in a single industry. A downturn or slowdown in the healthcare property sector would have a greater adverse impact on our business than if we had investments in multiple industries. Specifically, a downturn in the healthcare property sector could negatively impact the ability of our tenants, operators and borrowers to meet their obligations to us, as well as the ability to maintain rental and occupancy rates. This could adversely affect our business, financial condition and results of operations. In addition, a downturn in the healthcare property sector could adversely affect the value of our properties and our ability to sell properties at prices or on terms acceptable to us. In addition, we are exposed to the risks inherent in concentrating our investments in real estate, which investments are relatively illiquid due to a number of factors, including restrictions on our ability to sell properties under applicable REIT tax laws, other tax-related considerations, regulatory hurdles and market conditions. Our ability to quickly sell or transition any of our properties in response to changes in the performance of our properties or economic and other conditions is limited. We may be unable to recognize full value for any property that we seek to sell for liquidity reasons. Our inability to respond rapidly to changes in the performance of our investments could adversely affect our financial condition and results of operations.

Tenants and operators that fail to comply with federal, state, local and international laws and regulations, including licensure, certification and inspection requirements, may cease to operate or be unable to meet their financial and

other contractual obligations to us.

Our tenants, operators and borrowers are subject to or impacted by extensive, frequently changing federal, state, local and international laws and regulations. These laws and regulations include, among others: laws protecting consumers against deceptive practices; laws relating to the operation of our properties and how our tenants and operators conduct their business, such as fire, health and safety, data security and privacy laws; federal and state laws affecting hospitals, clinics and other healthcare communities that participate in both Medicare and Medicaid that specify reimbursement rates, pricing, reimbursement procedures and limitations, quality of services and care, background checks, food service and physical plants, and similar foreign laws regulating the healthcare

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industry; resident rights laws (including abuse and neglect laws) and fraud laws; anti-kickback and physician referral laws; the ADA and similar state and local laws; and safety and health standards set by the Occupational Safety and Health Administration or similar foreign agencies. Certain of our properties may also require a license, registration and/or certificate of need to operate.

Our tenants', operators' or borrowers' failure to comply with any of these laws, regulations or requirements could result in loss of accreditation, denial of reimbursement, imposition of fines, suspension or decertification from government healthcare programs, civil liability, and in certain limited instances, criminal penalties, loss of license or closure of the property and/or the incurrence of considerable costs arising from an investigation or regulatory action, which may have an adverse effect on properties that we own and lease to a third party tenant, that we own and operate through a RIDEA structure or on which we hold a mortgage, and therefore may materially adversely impact us. See "Item 1—Business—Government Regulation, Licensing and Enforcement—Healthcare Licensure and Certificate of Need" above. If we must replace any of our tenants or operators, we may have difficulty identifying replacements and we may be required to incur substantial renovation costs to make certain of our healthcare properties suitable for other tenants and operators.

Our tenants may not renew existing leases or our operators may not renew their management agreements beyond their current terms. If we or our tenants or operators terminate or do not renew the leases or management agreements for our properties, we would attempt to reposition those properties with another tenant or operator. We may also voluntarily change operators for a variety of reasons. For example, in November 2017, we announced a plan to transition a significant number of properties managed by Brookdale to other operators as part of our strategic plan to reduce our concentration of properties managed or leased by Brookdale. Healthcare properties are typically highly customized. The improvements generally required to conform a property to healthcare use, such as upgrading electrical, gas and plumbing infrastructure, are costly and at times tenant-specific and are typically subject to regulatory requirements. A new or replacement tenant or operator may require different features in a property, depending on that tenant's or operator's particular business. In addition, infrastructure improvements for life science properties typically are significantly more costly than improvements to other property types due to the highly specialized nature of the properties and the greater lease square footage often required by life science tenants. We may be unable to recover part or all of these higher costs. Therefore, if a current tenant or operator is unable to pay rent and/or vacates a property, we may incur substantial expenditures to modify a property and experience delays before we are able to secure another tenant or operator or to accommodate multiple tenants or operators. These expenditures or renovations and delays may materially adversely affect our business, results of operations and financial condition. Additionally, we may fail to identify suitable replacements or enter into leases, management agreements or other arrangements with new tenants or operators on a timely basis or on terms as favorable to us as our current leases, if at all. Furthermore, during transition periods to new tenants or operators, we anticipate that the attention of existing tenants or operators will be diverted from the performance of the properties, which would cause the financial and operational performance at these properties to decline. For example, Brookdale properties we intended to sell or transition performed significantly worse during 2018 than our senior housing properties as a whole. Following a decline in performance, we may not be able to rehabilitate the property to previous performance levels, which would adversely impact our results of operations. We also may be required to fund certain expenses and obligations such as real estate taxes, debt costs and maintenance expenses, to preserve the value of, and avoid the imposition of liens on, our properties while they are being repositioned. In addition, we may incur certain obligations and liabilities, including obligations to indemnify the replacement tenant or operator, which could have a materially adverse effect on our business, results of operations and financial condition.

We face additional risks associated with property development and redevelopment that can render a project less profitable or not profitable at all and, under certain circumstances, prevent completion of development activities once undertaken.

Property development and redevelopment is a significant component of our growth strategy. At December 31, 2018, our active development and redevelopment pipeline was approximately \$1.5 billion with remaining costs to complete of approximately \$913 million. Large-scale, ground-up development of healthcare properties presents additional risks for us, including risks that:

a development opportunity may be abandoned after expending significant resources resulting in the loss of deposits or failure to recover expenses already incurred;

the development and construction costs of a project may exceed original estimates due to increased interest rates and higher costs relating to materials, transportation, labor, leasing, negligent construction or construction defects, damage, vandalism or accidents, among others, which could make the completion of the development project less profitable;

the project may not be completed on schedule as a result of a variety of factors that are beyond our control, including natural disasters, labor conditions, material shortages, regulatory hurdles, civil unrest and acts of war or terrorism, which result in

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increases in construction costs and debt service expenses or provide tenants or operators with the right to terminate pre-construction leases; and

• occupancy rates and rents at a newly completed property may not meet expected levels and could be insufficient to make the property profitable.

Any of the foregoing risks could materially adversely affect our business, results of operations and financial condition. Changes within the life science industry may adversely impact our revenues and results of operations.

For the year ended December 31, 2018, properties in our life science segment accounted for approximately 21% of our total revenues. Our life science investments could be adversely affected if the life science industry is impacted by an economic, financial, or banking crisis or if the life science industry migrates from the U.S. to other countries or to areas outside of primary life science markets in South San Francisco, California, San Diego, California, and greater Boston, Massachusetts. Our ability to negotiate contractual rent escalations on future leases and to achieve increases in rental rates will depend upon market conditions and the demand for life science properties at the time the leases are negotiated and the increases are proposed. If economic, financial or industry conditions adversely affect our life science tenants, we may not be able to lease or re-lease our properties in a timely manner or at favorable rates, which would negatively impact our revenues and results of operations. For example, some of our properties may be better suited for a particular life science industry client tenant and could require modification before we are able to re-lease vacant space to another life science industry client tenant, which may delay the re-leasing process and result in unrecovered costs. Additionally, some of our life science properties may not be suitable for lease to traditional office client tenants without significant expenditures on renovations, which could delay an attempt to reposition the property for rent to non-life science tenants. Because infrastructure improvements for life science properties typically are significantly more costly than improvements to other property types due to the highly specialized nature of the properties, and life science tenants typically require greater lease square footage relative to medical office tenants, repositioning efforts would have a disproportionate adverse effect on our life science segment performance. See “—If we must replace any of our tenants or operators, we may have difficulty identifying replacements and we may be required to incur substantial renovation costs to make certain of our healthcare properties suitable for other tenants and operators.”

It is common for businesses in the life science industry to undergo mergers or consolidations. Future mergers or consolidations of life science entities could reduce the amount of rentable square footage requirements of our client tenants and prospective client tenants, which may adversely impact our revenues from lease payments and results of operations.

Our tenants in the life science industry face high levels of regulation, funding requirements, expense and uncertainty. Life science tenants, particularly those involved in developing and marketing pharmaceutical products, are subject to certain unique risks, including the following:

• some of our tenants require significant funding for the research, development, clinical testing, manufacture and commercialization of their products and technologies, as well as to fund their obligations, including rent payments due to us. If venture capital firms, private investors, the public markets, companies in the life science industry, the government or other sources of funding are difficult to obtain or unavailable to support such activities, including as a result of general economic conditions, adverse market conditions or government shutdowns that limit our tenants' ability to raise capital, a tenant's business would be adversely affected or fail; our tenants' ability to raise capital depends on the viability of their products and technologies, their financial and operating condition and outlook, and the overall financial, banking and economic environment;

• the research, development, clinical testing, manufacture and marketing of some of our tenants' products require federal, state and foreign regulatory approvals which may be costly or difficult to obtain, may take several years and be subject to delay, may not be obtained at all, require validation through clinical trials and the use of substantial resources, and may often be unpredictable;

• even after a life science tenant gains regulatory approval and market acceptance, the product may still present significant regulatory and liability risks, including, among others, the possible later discovery of safety concerns and other defects and potential loss of approvals, competition from new products and the expiration of patent protection for the product;

our tenants with marketable products may be adversely affected by healthcare reform and the reimbursement policies of government or private healthcare payors;
our tenants with marketable products may be unable to successfully manufacture their drugs economically;

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our tenants depend on the commercial success of certain products, which may be reliant on the efficacy of the product, as well as acceptance among doctors and patients; negative publicity or negative results or safety signals from the clinical trials of competitors may reduce demand or prompt regulatory actions; and our tenants may be unable to adapt to the rapid technological advances in the industry and to adequately protect their intellectual property under patent, copyright or trade secret laws and defend against third-party claims of intellectual property violations.

If our tenants' businesses are adversely affected, they may fail to make their rent payments to us, which could materially adversely affect our business, results of operations and financial condition.

The hospitals on whose campuses our MOBs are located and their affiliated healthcare systems could fail to remain competitive or financially viable, which could adversely impact their ability to attract physicians and physician groups to our MOBs and our other properties that serve the healthcare industry.

Our MOBs and other properties that serve the healthcare industry depend on the viability of the hospitals on whose campuses our MOBs are located and their affiliated healthcare systems in order to attract physicians and other healthcare-related users. The viability of these hospitals, in turn, depends on factors such as the quality and mix of healthcare services provided, competition, demographic trends in the surrounding community, market position and growth potential, as well as the ability of the affiliated healthcare systems to provide economies of scale and access to capital. If a hospital whose campus is located on or near one of our MOBs is unable to meet its financial obligations, and if an affiliated healthcare system is unable to support that hospital, the hospital may not be able to compete successfully or could be forced to close or relocate, which could adversely impact its ability to attract physicians and other healthcare-related users. Because we rely on our proximity to and affiliations with these hospitals to create tenant demand for space in our MOBs, their inability to remain competitive or financially viable, or to attract physicians and physician groups, could adversely affect our MOB operations and have a materially adverse effect on us.

In addition, changes to or replacement of the Affordable Care Act and related regulations could result in significant changes to the scope of insurance coverage and reimbursement policies, which could put negative pressure on the operations and revenues of our MOBs.

We may be unable to maintain or expand our relationships with our existing and future hospital and health system clients.

The success of our medical office portfolio depends, to a large extent, on past, current and future relationships with hospitals and their affiliated health systems. We invest significant amounts of time in developing relationships with both new and existing clients. If we fail to maintain these relationships, including through a lack of responsiveness, failure to adapt to the current market or employment of individuals with adequate experience, our reputation and relationships will be harmed and we may lose business to competitors. If our relationships with hospitals and their affiliated health systems deteriorate, it could have a materially adverse effect on us.

Economic and other conditions that negatively affect geographic areas from which a greater percentage of our revenue is recognized could materially adversely affect our business, results of operations and financial condition.

For the year ended December 31, 2018, 26% of our revenue was derived from properties located in California, which is also where most of our life science portfolio is located. As a result, we are subject to increased exposure to adverse conditions affecting California, including downturns in local economies, changes in local real estate conditions, increased competition or decreased demand, changes in state-specific legislation and local climate events and natural disasters (such as earthquakes, flooding, wildfires and hurricanes), which could cause significant disruption in our businesses in the region, harm our ability to compete effectively, result in increased costs and divert more management attention, any or all of which could adversely affect our business and results of operations.

We may experience uninsured or underinsured losses, which could result in a significant loss of the capital invested in a property, lower than expected future revenues or unanticipated expense.

We maintain and regularly review the comprehensive insurance coverage on our properties with terms, conditions, limits and deductibles that we believe are adequate and appropriate given the relative risk and costs of such coverage. However, a large number of our properties are located in areas exposed to earthquake, windstorm, flood and other natural disasters. In particular, a significant portion of our life science development projects and approximately 90%

of our existing life science portfolio (based on gross asset value) is concentrated in California, which is known to be subject to earthquakes, wildfires and other natural disasters. While we purchase insurance coverage for earthquake, fire, windstorm, flood and other natural disasters that we believe is adequate in light of current industry practice and analyses prepared by outside consultants, such insurance may not fully cover such losses. These losses can result in decreased anticipated revenues from a property and the loss of all or a portion of the capital we have invested in a property. Following these events, we may remain liable for any mortgage debt or other financial obligations related

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to the property. The insurance market for such exposures can be very volatile, and we may be unable to purchase the limits and terms we desire on a commercially reasonable basis. In addition, there are certain exposures for which we do not purchase insurance because we do not believe it is economically feasible to do so or where there is no viable insurance market.

We maintain earthquake insurance for our properties that are located in the vicinity of active earthquake zones in amounts and with deductibles we believe are commercially reasonable. Because of our significant concentration in the seismically active regions of South San Francisco, California and San Diego, California, a damaging earthquake in these areas could significantly impact multiple properties, which may amount to a significant portion of our life science portfolio. As a result, aggregate deductible amounts may be material, and our insurance coverage may be materially insufficient to cover our losses, either of which would adversely affect our business, financial condition, results of operations and cash flows.

If one of our properties experiences a loss that is uninsured or that exceeds policy coverage limits, we could lose our investment in the damaged property as well as the anticipated future cash flows from such property. If the damaged property is subject to recourse indebtedness, we could continue to be liable for the indebtedness even if the property is irreparably damaged.

In addition, even if damage to our properties is covered by insurance, a disruption of business caused by a casualty event may result in loss of revenues for us. Any business interruption insurance may not fully compensate the lender or us for such loss of revenue.

Our use of joint ventures may limit our flexibility with jointly owned investments.

We have and may continue to develop and/or acquire properties in joint ventures with other persons or entities when circumstances warrant the use of these structures. Our participation in joint ventures is subject to risks that may not be present with other methods of ownership, including:

- our joint venture partners could have investment and financing goals that are not consistent with our objectives, including the timing, terms and strategies for any investments, and what levels of debt to incur or carry;
- we could experience an impasse on certain decisions because we do not have sole decision-making authority, which could require us to expend additional resources on resolving such impasses or potential disputes, including litigation or arbitration;
- our joint venture partners may have competing interests in our markets that could create conflict of interest issues;
- our ability to transfer our interest in a joint venture to a third party may be restricted and the market for our interest may be limited and/or valued lower than fair market value;
- our joint venture partners may be structured differently than us for tax purposes, and this could create conflicts of interest and risks to our REIT status; and
- our joint venture partners might become insolvent, fail to fund their share of required capital contributions or fail to fulfill their obligations as a joint venture partner, which may require us to infuse our own capital into the venture on behalf of the partner despite other competing uses for such capital.

For example, with respect to our minority ownership position in our unconsolidated CCRC joint venture with Brookdale, we are limited in our ability to control or influence operations, and in our ability to exit or transfer our interest in the joint venture to a third party. As a result, we may not receive full value for our ownership interest if we tried to sell it to a third party.

In addition, in some instances, we and/or our joint venture partner will have the right to cause us to sell our interest, or acquire our partner's interest, at a time when we otherwise would not have initiated such a transaction. Our ability to acquire our partner's interest will be limited if we do not have sufficient cash, available borrowing capacity or other capital resources. This would require us to sell our interest in the joint venture when we would otherwise prefer to retain it. Any of the foregoing risks could materially adversely affect our business, results of operations and financial condition.

We have now, and may have in the future, contingent rent provisions and/or rent escalators based on the Consumer Price Index, which could hinder our profitability and growth.

We derive a significant portion of our revenues from leasing properties pursuant to leases that generally provide for fixed rental rates, subject to annual escalations. Under certain leases, a portion of the tenant's rental payment to us is

based on the property's revenues (i.e., contingent rent). If, as a result of weak economic conditions or other factors, the property's revenue declines, our rental revenues would decrease and our results of operations could be materially adversely affected. Additionally, some of our leases provide that annual rent escalates based on changes in the Consumer Price Index or other thresholds (i.e., contingent rent escalators). If the Consumer Price Index does not increase or other applicable thresholds are not met, rental rates may not increase and our growth and profitability may be hindered. Furthermore, if strong economic conditions result in significant increases in

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the Consumer Price Index, but the escalations under our leases with contingent rent escalators are capped, our growth and profitability also may be limited.

Competition may make it difficult to identify and purchase, or develop, suitable healthcare properties to grow our investment portfolio, to finance acquisitions on favorable terms, or to retain or attract tenants and operators.

We face significant competition from other REITs, investment companies, private equity and hedge fund investors, sovereign funds, healthcare operators, lenders, developers and other institutional investors, some of whom may have greater resources and lower costs of capital than we do. Increased competition makes it more challenging for us to identify and successfully capitalize on opportunities that meet our business goals and could improve the bargaining power of property owners seeking to sell, thereby impeding our investment, acquisition and development activities. Similarly, our properties face competition for tenants and operators from other properties in the same market, which may affect our ability to attract and retain tenants and operators, or may reduce the rents we are able to charge. If we cannot capitalize on our development pipeline, identify and purchase a sufficient quantity of healthcare properties at favorable prices, finance acquisitions on commercially favorable terms, or attract and retain profitable tenants and operators, our business, results of operations and financial condition may be materially adversely affected.

From time to time we have made, and we may seek to make, one or more material acquisitions, which may involve the expenditure of significant funds.

We regularly review potential transactions in order to maximize stockholder value. Our review process may require significant management attention and a potential transaction could be abandoned or rejected by us or the other parties involved after we expend significant resources and time. In addition, future acquisitions may require the issuance of securities, the incurrence of debt, assumption of contingent liabilities or incurrence of significant expenditures, each of which could materially adversely impact our business, financial condition or results of operations. In addition, the financing required for acquisitions may not be available on commercially favorable terms or at all.

From time to time, we may acquire other companies, and if we are unable to successfully integrate these operations, our business, results of operations and financial condition may be materially adversely affected.

Acquisitions require the integration of companies that have previously operated independently. Successful integration of the operations of these companies depends primarily on our ability to consolidate operations, systems, procedures, properties and personnel, and to eliminate redundancies and costs. We may encounter difficulties in these integrations. Potential difficulties associated with acquisitions include our ability to effectively monitor and manage our expanded portfolio of properties, the loss of key employees, the disruption of our ongoing business or that of the acquired entity, possible inconsistencies in standards, controls, procedures and policies, and the assumption of unexpected liabilities, including:

- liabilities relating to the cleanup or remediation of undisclosed environmental conditions;
- unasserted claims of vendors, residents, patients or other persons dealing with the seller;
- liabilities, claims and litigation, whether or not incurred in the ordinary course of business, relating to periods prior to our acquisition;
- claims for indemnification by general partners, directors, officers and others indemnified by the seller;
- claims for return of government reimbursement payments; and
- liabilities for taxes relating to periods prior to our acquisition.

In addition, the acquired companies and their properties may fail to perform as expected, including in respect of estimated cost savings. Inaccurate assumptions regarding future rental or occupancy rates could result in overly optimistic estimates of future revenues. Similarly, we may underestimate future operating expenses or the costs necessary to bring properties up to standards established for their intended use or for property improvements.

If we have difficulties with any of these areas, or if we later discover additional liabilities or experience unforeseen costs relating to our acquired companies, we might not achieve the economic benefits we expect from our acquisitions, and this may materially adversely affect our business, results of operations and financial condition.

Our tenants, operators and borrowers face litigation and may experience rising liability and insurance costs.

In some states, advocacy groups have been created to monitor the quality of care at healthcare properties, and these groups have brought litigation against the tenants and operators of such properties. Also, in several instances, private litigation by patients,

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residents or “whistleblowers” has sought, and sometimes resulted in, large damage awards. See “Risks Related to Our Business and Operations—The requirements of, or changes to, governmental reimbursement programs such as Medicare or Medicaid, may adversely affect our tenants’, operators’ and borrowers’ ability to meet their financial and other contractual obligations to us.” The effect of this litigation and other potential litigation may materially increase the costs incurred by our tenants, operators and borrowers for monitoring and reporting quality of care compliance, which under a RIDEA structure would be borne by us. In addition, their cost of liability and medical malpractice insurance can be significant and may increase or not be available at a reasonable cost. Cost increases could cause our tenants and borrowers to be unable to make their lease or mortgage payments or fail to purchase the appropriate liability and malpractice insurance, or cause our borrowers to be unable to meet their obligations to us, potentially decreasing our revenues and increasing our collection and litigation costs. Furthermore, with respect to our senior housing properties operated in RIDEA structures, we directly bear the costs of any such increases in litigation, monitoring, reporting and insurance due to our direct exposure to the cash flows of such properties.

In addition, as a result of our ownership of healthcare properties, we may be named as a defendant in lawsuits arising from the alleged actions of our tenants or operators. With respect to our triple-net leases, our tenants generally have agreed to indemnify us for various claims, litigation and liabilities in connection with their leasing and operation of our triple-net leased properties. With respect to our RIDEA structured properties, we are responsible for these claims, litigation and liabilities, with limited indemnification rights against our operator typically based on the gross negligence or willful misconduct by the operator. Although our leases provide us with certain information rights with respect to our tenants, one or more of our tenants may be or become party to pending litigation or investigation to which we are unaware or do not have a right to participate or evaluate. In such cases, we would be unable to determine the potential impact of such litigation or investigation on our tenants or our business or results. Moreover, negative publicity of any of our operators’ or tenants’ litigation, other legal proceedings or investigations may also negatively impact their and our reputation, resulting in lower customer demand and revenues, which could have a material adverse effect on our financial condition, results of operations and cash flow.

Required regulatory approvals can delay or prohibit transfers of our healthcare properties.

Transfers of healthcare properties to successor tenants or operators are typically subject to regulatory approvals or ratifications, including, but not limited to, change of ownership approvals and Medicare and Medicaid provider arrangements that are not required for transfers of other types of commercial operations and other types of real estate. The replacement of any tenant or operator could be delayed by the regulatory approval process of any federal, state or local government agency necessary for the transfer of the property or the replacement of the operator licensed to manage the property, during which time the property may experience performance declines. If we are unable to find a suitable replacement tenant or operator upon favorable terms, or at all, we may take possession of a property, which could expose us to successor liability, require us to indemnify subsequent operators to whom we transfer the operating rights and licenses, or require us to spend substantial time and funds to preserve the value of the property and adapt the property to other uses, all of which may materially adversely affect our business, results of operations and financial condition.

Compliance with the Americans with Disabilities Act and fire, safety and other regulations may require us to make expenditures that adversely affect our cash flows.

Our properties must comply with applicable ADA and any similar state and local laws. This may require removal of barriers to access by persons with disabilities in public areas of our properties. Noncompliance could result in the incurrence of additional costs associated with bringing the properties into compliance, the imposition of fines or an award of damages to private litigants in individual lawsuits or as part of a class action. While the tenants to whom we lease our properties are obligated to comply with the ADA and similar state and local provisions, and typically under tenant leases are obligated to cover costs associated with compliance, if required changes involve greater expenditures than anticipated, or if the changes must be made on a more accelerated basis than anticipated, the ability of these tenants to cover costs could be adversely affected. As a result, we could be required to expend funds to comply with the provisions of the ADA and similar state and local laws on behalf of tenants, which could adversely affect our results of operations and financial condition. Additionally, with respect to our SHOP properties managed in RIDEA structures, we are ultimately responsible for such litigation and compliance costs due to our direct exposure to the cash

flows of the properties.

In addition, we are required to operate our properties in compliance with fire and safety regulations, building codes and other land use regulations. New and revised regulations and codes may be adopted by governmental agencies and bodies and become applicable to our properties. For example, new safety laws for senior housing properties were adopted following the particularly damaging 2018 hurricane season. Compliance could require substantial capital expenditures, and may restrict our ability to renovate our properties. These expenditures and restrictions could have a material adverse effect on our financial condition and cash flows.

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The requirements of, or changes to, governmental reimbursement programs such as Medicare or Medicaid, may adversely affect our tenants', operators' and borrowers' ability to meet their financial and other contractual obligations to us.

Certain of our tenants, operators and borrowers are affected, directly or indirectly, by an extremely complex set of federal, state and local laws and regulations pertaining to governmental reimbursement programs. These laws and regulations are subject to frequent and substantial changes that are sometimes applied retroactively. See "Item 1—Business—Government Regulation, Licensing and Enforcement." For example, to the extent that our tenants, operators or borrowers receive a significant portion of their revenues from governmental payors, primarily Medicare and Medicaid, they are generally subject to, among other things:

- statutory and regulatory changes;
- retroactive rate adjustments;
- recovery of program overpayments or set-offs;
- federal, state and local litigation and enforcement actions;
- administrative proceedings;
- policy interpretations;
- payment or other delays by fiscal intermediaries or carriers;
- government funding restrictions (at a program level or with respect to specific properties);
- interruption or delays in payments due to any ongoing governmental investigations and audits at such properties;
- reputational harm of publicly disclosed enforcement actions, audits or investigations related to billing and reimbursements.

The failure to comply with the extensive laws, regulations and other requirements applicable to their business and the operation of our properties could result in, among other challenges: (i) becoming ineligible to receive reimbursement from governmental reimbursement programs; (ii) becoming subject to prepayment reviews or claims for overpayments; (iii) bans on admissions of new patients or residents; (iv) civil or criminal penalties; and (v) significant operational changes, including requirements to increase staffing or the scope of care given to residents. These laws and regulations are enforced by a variety of federal, state and local agencies and can also be enforced by private litigants through, among other things, federal and state false claims acts, which allow private litigants to bring qui tam or "whistleblower" actions. Our tenants, operators and borrowers could be adversely affected by the resources required to respond to an investigation or other enforcement action. In such event, the results of operations and financial condition of our tenants and the results of operations of our properties operated by those entities could be materially adversely affected, which, in turn, could have a materially adverse effect on us.

We are unable to predict future federal, state and local regulations and legislation, including the Medicare and Medicaid statutes and regulations, or the intensity of enforcement efforts with respect to such regulations and legislation. Any changes in the regulatory framework could have a materially adverse effect on our tenants and operators. If, in turn, such tenants or operators fail to make contractual rent payments to us or, with respect to our SHOP segment, cash flows are adversely affected, it could have a materially adverse effect on us.

Sometimes, governmental payors freeze or reduce payments to healthcare providers, or provide annual reimbursement rate increases that are smaller than expected, due to budgetary and other pressures. Healthcare reimbursement will likely continue to be of significant importance to federal and state authorities. We cannot make any assessment as to the ultimate timing or the effect that any future legislative reforms may have on our tenants', operators' and borrowers' costs of doing business and on the amount of reimbursement by government and other third-party payors. The failure of any of our tenants, operators or borrowers to comply with these laws and regulations, and significant limits on the scope of services reimbursed and on reimbursement rates and fees, could materially adversely affect their ability to meet their financial and contractual obligations to us.

Furthermore, executive orders and legislation may amend or repeal the Affordable Care Act and related regulations in whole or in part. A federal court in Texas recently declared the Affordable Care Act's individual mandate unconstitutional and the remaining provisions non-severable from the mandate, thus making them invalid (*Texas v. United States*, Case 4:18-cv-00167-1, Slip Opinion (N.D. Tex. Dec. 14, 2018)). The decision has been stayed pending appeal. We also anticipate that Congress, state legislatures, and third-party payors may continue to review and assess

alternative healthcare delivery and payment systems and may propose and adopt legislation or policy changes or implementations effecting additional fundamental changes in the healthcare system. For example, the Department of Health and Human Services has focused on tying Medicare payments to quality or value through

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alternative payment models, which generally aim to make providers attentive to the total costs of treatments. Additionally, the Centers for Medicare and Medicaid Services recently finalized a new patient driven payment model, which, effective October 1, 2019, will be used to calculate reimbursement rates for patients in skilled nursing properties. We cannot quantify or predict the likely impact of these changes on the revenues and profitability of our tenants, operators and borrowers. However, if any such changes significantly and adversely affect our tenants' profitability, they could in turn negatively affect our tenants' ability and willingness to comply with the terms of their leases with us and/or renew their leases with us upon expiration, which could impact our business, prospects, financial condition or results of operations.

Legislation to address federal government operations and administration decisions affecting the Centers for Medicare and Medicaid Services could have a materially adverse effect on our tenants', operators' and borrowers' liquidity, financial condition or results of operations.

Congressional consideration of legislation pertaining to the federal debt ceiling, the Affordable Care Act, tax reform and entitlement programs, including reimbursement rates for physicians, could have a materially adverse effect on our tenants', operators' and borrowers' liquidity, financial condition or results of operations. In particular, reduced funding for entitlement programs such as Medicare and Medicaid would result in increased costs and fees for programs such as Medicare Advantage Plans and additional reductions in reimbursements to providers. Amendments to or repeal of the Affordable Care Act in whole or in part and decisions by the Centers for Medicare and Medicaid Services could impact the delivery of services and benefits under Medicare, Medicaid or Medicare Advantage Plans and could affect our tenants and operators and the manner in which they are reimbursed by such programs. Such changes could have a materially adverse effect on our tenants', operators' and borrowers' liquidity, financial condition or results of operations, which could adversely affect their ability to satisfy their obligations to us and could have a materially adverse effect on us.

We may be unable to successfully foreclose on the collateral securing our real estate-related loans, and even if we are successful in our foreclosure efforts, we may be unable to successfully operate, occupy or reposition the underlying real estate, which may adversely affect our ability to recover our investments.

If a tenant or operator defaults under one of our mortgages or mezzanine loans, we may have to foreclose on the loan or protect our interest by acquiring title to the collateral and thereafter making substantial improvements or repairs in order to maximize the property's investment potential. In some cases, the collateral consists of the equity interests in an entity that directly or indirectly owns the applicable real property or interests in operating properties and, accordingly, we may not have full recourse to assets of that entity, or that entity may have incurred unexpected liabilities. Tenants, operators or borrowers may contest enforcement of foreclosure or other remedies, seek bankruptcy protection against our exercise of enforcement or other remedies and/or bring claims for lender liability in response to actions to enforce mortgage obligations. Foreclosure-related costs, high loan-to-value ratios or declines in the value of the property may prevent us from realizing an amount equal to our mortgage or mezzanine loan upon foreclosure, and we may be required to record a valuation allowance for such losses. Even if we are able to successfully foreclose on the collateral securing our real estate-related loans, we may inherit properties for which we may be unable to expeditiously secure tenants or operators, if at all, or we may acquire equity interests that we are unable to immediately resell due to limitations under the securities laws, either of which would adversely affect our ability to fully recover our investment.

Risks Related to Our Capital Structure and Market Conditions

Changes or increases in interest rates could result in a decrease in our stock price and increased interest costs on new debt and existing variable rate debt, which could materially adversely impact our ability to refinance existing debt, sell properties and conduct acquisition, investment and development activities.

An increase in interest rates could reduce the amount investors are willing to pay for our common stock. Because REIT stocks are often perceived as high-yield investments, investors may perceive less relative benefit to owning REIT stocks as interest rates and the yield on government treasuries and other bonds increase.

Additionally, we have existing debt obligations that are variable rate obligations with interest and related payments that vary with the movement of certain indices. If interest rates increase, so would our interest costs for any variable

rate debt and for new debt. This increased cost would make the financing of any acquisition and development activity more costly. In addition, an increase in interest rates could decrease the amount third parties are willing to pay for our properties, thereby limiting our ability to reposition our portfolio promptly in response to changes in economic or other conditions.

Rising interest rates could limit our ability to refinance existing debt when it matures, or cause us to pay higher interest rates upon refinancing and increase interest expense on refinanced indebtedness. For example, we have \$800 million of senior notes that are maturing in 2020 on which we pay 2.625% interest, which is lower than prevailing interest rates throughout 2018. If interest rates

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remain higher than the interest rates of our senior notes reaching maturity, we will incur additional interest expense upon any replacement debt.

We manage a portion of our exposure to interest rate risk by accessing debt with staggered maturities and through the use of derivative instruments, primarily interest rate swap agreements. However, no amount of hedging activity can fully insulate us from the risks associated with changes in interest rates. Swap agreements involve risk, including that counterparties may fail to honor their obligations under these arrangements, that these arrangements may not be effective in reducing our exposure to interest rate changes, that the amount of income we earn from hedging transactions may be limited by federal tax provisions governing REITs and that these arrangements may cause us to pay higher interest rates on our debt obligations than would otherwise be the case. Failure to hedge effectively against interest rate risk could adversely affect our results of operations and financial condition.

Cash available for distribution to stockholders may be insufficient to make dividend distributions at expected levels and are made at the discretion of our Board of Directors.

If cash available for distribution generated by our properties decreases as a result of our announced dispositions or otherwise, we may be unable to make dividend distributions at expected levels. Our inability to make expected distributions would likely result in a decrease in the market price of our common stock. All distributions are made at the discretion of our Board of Directors in accordance with Maryland law and depend on our earnings, our financial condition, debt and equity capital available to us, our expectations of our future capital requirements and operating performance, restrictive covenants in our financial or other contractual arrangements (including those in our credit facility agreement), maintenance of our REIT qualification, restrictions under Maryland law and other factors as our Board of Directors may deem relevant from time to time. Additionally, our ability to make distributions will be adversely affected if any of the risks described herein, or other significant adverse events, occur.

We rely on external sources of capital to fund future capital needs, and if access to such capital is unavailable on acceptable terms or at all, it could have a materially adverse effect on our ability to meet commitments as they become due or make future investments necessary to grow our business.

We may not be able to fund all future capital needs, including capital expenditures, debt maturities and other commitments, from cash retained from operations and dispositions. If we are unable to obtain enough internal capital, we may need to rely on external sources of capital (including debt and equity financing) to fulfill our capital requirements. Our access to capital depends upon a number of factors, some of which we have little or no control over, including but not limited to:

- general availability of capital, including less favorable terms, rising interest rates and increased borrowing costs;
- the market price of the shares of our equity securities and the credit ratings of our debt and any preferred securities we may issue;
- the market's perception of our growth potential and our current and potential future earnings and cash distributions;
- our degree of financial leverage and operational flexibility;
- the financial integrity of our lenders, which might impair their ability to meet their commitments to us or their willingness to make additional loans to us, and our inability to replace the financing commitment of any such lender on favorable terms, or at all;
- the stability of the market value of our properties;
- the financial performance and general market perception of our tenants and operators;
- changes in the credit ratings on U.S. government debt securities or default or delay in payment by the United States of its obligations;
- issues facing the healthcare industry, including, but not limited to, healthcare reform and changes in government reimbursement policies; and
- the performance of the national and global economies generally.

If access to capital is unavailable on acceptable terms or at all, it could have a materially adverse impact on our ability to fund operations, repay or refinance our debt obligations, fund dividend payments, acquire properties and make the investments needed to grow our business.

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Adverse changes in our credit ratings could impair our ability to obtain additional debt and equity financing on favorable terms, if at all, and negatively impact the market price of our securities, including our common stock. Our credit ratings can affect the amount and type of capital we can access, as well as the terms of any financing we may obtain. The credit ratings of our senior unsecured debt are based on, among other things, our operating performance, liquidity and leverage ratios, overall financial position, level of indebtedness and pending or future changes in the regulatory framework applicable to our operators and our industry. We may be unable to maintain our current credit ratings, and in the event that our current credit ratings deteriorate, we would likely incur higher borrowing costs, which would make it more difficult or expensive to obtain additional financing or refinance existing obligations and commitments. Also, a downgrade in our credit ratings would trigger additional costs or other potentially negative consequences under our current and future credit facilities and debt instruments.

Our level of indebtedness may increase and materially adversely affect our future operations.

Our outstanding indebtedness as of December 31, 2018 was approximately \$5.6 billion. We may incur additional indebtedness, including in connection with the development or acquisition of properties, which may be substantial. Any significant additional indebtedness would likely negatively affect the credit ratings of our debt and require us to dedicate a substantial portion of our cash flow to interest and principal payments due on our indebtedness. Greater demands on our cash resources may reduce funds available to us to pay dividends, conduct development activities, make capital expenditures and acquisitions or carry out other aspects of our business strategy. Increased indebtedness can also make us more vulnerable to general adverse economic and industry conditions and create competitive disadvantages for us compared to other companies with relatively lower debt levels. Increased future debt service obligations may limit our operational flexibility, including our ability to finance or refinance our properties, contribute properties to joint ventures or sell properties as needed.

Covenants in our debt instruments limit our operational flexibility, and breaches of these covenants could materially adversely affect our business, results of operations and financial condition.

The terms of our current secured and unsecured debt instruments and other indebtedness that we may incur, require or will require us to comply with a number of customary financial and other covenants, such as maintaining leverage ratios, minimum tangible net worth requirements, REIT status and certain levels of debt service coverage. Our continued ability to incur additional debt and to conduct business in general is subject to compliance with these financial and other covenants, which limit our operational flexibility. For example, mortgages on our properties contain customary covenants such as those that limit or restrict our ability, without the consent of the lender, to further encumber or sell the applicable properties, or to replace the applicable tenant or operator. Breaches of certain covenants may result in defaults under the mortgages on our properties and cross-defaults under certain of our other indebtedness, even if we satisfy our payment obligations to the respective obligee. Covenants that limit our operational flexibility as well as defaults resulting from the breach of any of these covenants could materially adversely affect our business, results of operations and financial condition.

Volatility, disruption or uncertainty in the financial markets may impair our ability to raise capital, obtain new financing or refinance existing obligations and fund real estate and development activities.

We may be affected by general market and economic conditions. Increased or prolonged market disruption, volatility or uncertainty could materially adversely impact our ability to raise capital, obtain new financing or refinance our existing obligations as they mature and fund real estate and development activities. Market volatility could also lead to significant uncertainty in the valuation of our investments and those of our joint ventures, which may result in a substantial decrease in the value of our properties and those of our joint ventures. As a result, we may be unable to recover the carrying amount of such investments and the associated goodwill, if any, which may require us to recognize impairment charges in earnings.

We may be adversely affected by fluctuations in currency exchange rates.

We have certain investments in international markets where the U.S. dollar is not the denominated currency. The ownership of investments located outside of the United States subjects us to risk from fluctuations in exchange rates between foreign currencies and the U.S. dollar. A significant change in the value of the British pound sterling (“GBP”) may have a materially adverse effect on our financial position, debt covenant ratios, results of operations and cash flow.

We may attempt to manage the impact of foreign currency exchange rate changes through the use of derivative contracts or other methods. For example, we currently utilize GBP denominated liabilities as a natural hedge against our GBP denominated assets. Additionally, we executed currency swap contracts to hedge the risk related to a portion of the forecasted interest receipts on these investments. However, no amount of hedging activity can fully insulate us from the risks associated with changes in foreign currency exchange rates, and the failure to hedge effectively against foreign currency exchange rate risk, if we choose to engage in such activities, could materially adversely affect our results of operations and financial condition. In addition, any international

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currency gain recognized with respect to changes in exchange rates may not qualify under the 75% gross income test or the 95% gross income test that we must satisfy annually in order to qualify and maintain our status as a REIT.
Risk Related to Other Events

We rely on information technology in our operations, and any material failure, inadequacy, interruption or security failure of that technology could harm our business.

We rely on information technology networks and systems, including the Internet, to process, transmit and store electronic information, and to manage or support a variety of business processes, including financial transactions and records, and maintaining personal identifying information and tenant and lease data. We purchase some of our information technology from vendors, on whom our systems depend. We rely on commercially available systems, software, tools and monitoring to provide security for the processing, transmission and storage of confidential tenant and customer data, including individually identifiable information relating to financial accounts. Although we have taken steps to protect the security of our information systems and the data maintained in those systems, it is possible that our safety and security measures will not prevent the systems' improper functioning or damage, or the improper access or disclosure of personally identifiable information such as in the event of cyber-attacks. The risk of security breaches has generally increased as the number, intensity and sophistication of attacks and intrusions have increased. In addition, the pace and unpredictability of cyber threats generally quickly renders long-term implementation plans designed to address cybersecurity risks obsolete. Because our operators also rely on information technology networks, systems and software, we may be exposed to cyber-attacks on our operators.

Security breaches of our or our operators' networks and systems, including those caused by physical or electronic break-ins, computer viruses, malware, worms, attacks by hackers or foreign governments, disruptions from unauthorized access and tampering, including through social engineering such as phishing attacks, coordinated denial-of-service attacks and similar breaches, could result in, among other things, system disruptions, shutdowns, unauthorized access to or disclosure of confidential information, misappropriation of our or our business partners' proprietary or confidential information, breach of our legal, regulatory or contractual obligations, inability to access or rely upon critical business records or systems or other delays in our operations. In some cases, it may be difficult to anticipate or immediately detect such incidents and the damage they cause. We may be required to expend significant financial resources to protect against or to remediate such security breaches. In addition, our technology infrastructure and information systems are vulnerable to damage or interruption from natural disasters, power loss and telecommunications failures. Any failure to maintain proper function, security and availability of our and our operators' information systems and the data maintained in those systems could interrupt our operations, damage our reputation, subject us to liability claims or regulatory penalties, harm our business relationships or increase our security and insurance costs, which could have a materially adverse effect on our business, financial condition and results of operations.

We are subject to certain provisions of Maryland law and our charter relating to business combinations which may prevent a transaction that may otherwise be in the interest of our stockholders.

The Maryland Business Combination Act provides that unless exempted, a Maryland corporation may not engage in business combinations, including a merger, consolidation, share exchange or, in circumstances specified in the statute, an asset transfer or issuance or reclassification of equity securities with an "interested stockholder" or an affiliate of an interested stockholder for five years after the most recent date on which the interested stockholder became an interested stockholder, and thereafter unless specified criteria are met. An interested stockholder is generally a person owning or controlling, directly or indirectly, 10% or more of the voting power of the outstanding voting stock of a Maryland corporation. Unless our Board of Directors takes action to exempt us, generally or with respect to certain transactions, from this statute, the Maryland Business Combination Act will be applicable to business combinations between us and other persons.

In addition to the restrictions on business combinations contained in the Maryland Business Combination Act, our charter also contains restrictions on business combinations. Our charter requires that, except in certain circumstances, "business combinations," including a merger or consolidation, and certain asset transfers and issuances of securities, with a "related person," including a beneficial owner of 10% or more of our outstanding voting stock, be approved by

the affirmative vote of the holders of at least 90% of our outstanding voting stock.

The restrictions on business combinations provided under Maryland law and contained in our charter may delay, defer or prevent a change of control or other transaction even if such transaction involves a premium price for our common stock or our stockholders believe that such transaction is otherwise in their best interests.

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Unfavorable resolution of litigation matters and disputes could have a material adverse effect on our financial condition.

From time to time, we are involved in legal proceedings, lawsuits and other claims. We may also be named as defendants in lawsuits arising out of our alleged actions or the alleged actions of our tenants and operators for which such tenants and operators have agreed to indemnify, defend and hold us harmless. An unfavorable resolution of any such litigation may have a materially adverse effect on our business, results of operations and financial condition.

Regardless of the outcome, litigation or other legal proceedings may result in substantial costs, disruption of our normal business operations and the diversion of management attention. We may be unable to prevail in, or achieve a favorable settlement of, any pending or future legal action against us. See "Item 3—Legal Proceedings" of this Annual Report on Form 10-K.

Loss of our key personnel could temporarily disrupt our operations and adversely affect us.

We depend on the efforts of our executive officers for the success of our business, and competition for these individuals is intense. Although they are covered by our Executive Severance Plan and Change in Control Plan, which provide many of the benefits typically found in executive employment agreements, none of our executive officers have employment agreements with us. The loss or limited availability of the services of any of our executive officers, or our inability to recruit and retain qualified personnel, could, at least temporarily, have a materially adverse effect on our business, results of operations and financial condition and the value of our common stock.

Environmental compliance costs and liabilities associated with our real estate-related investments may be substantial and may materially impair the value of those investments.

Federal, state and local laws, ordinances and regulations may require us, as a current or previous owner of real estate, to investigate and clean up certain hazardous or toxic substances or petroleum released at a property. We may be held liable to a governmental entity or to third parties for property damage and for investigation and cleanup costs incurred by the third parties in connection with the contamination. The costs of cleanup and remediation could be substantial. In addition, some environmental laws create a lien on the contaminated site in favor of the government for damages and the costs it incurs in connection with the contamination.

Although we currently carry environmental insurance on our properties in an amount that we believe is commercially reasonable and generally require our tenants and operators to indemnify us for environmental liabilities they cause, such liabilities could exceed the amount of our insurance, the financial ability of the tenant or operator to indemnify us or the value of the contaminated property. As the owner of a site, we may also be held liable to third parties for damages and injuries resulting from environmental contamination emanating from the site. We may also experience environmental liabilities arising from conditions not known to us. The cost of defending against these claims, complying with environmental regulatory requirements, conducting remediation of any contaminated property, or paying personal injury or other claims or fines could be substantial and could have a materially adverse effect on our business, results of operations and financial condition.

In addition, the presence of contamination or the failure to remediate contamination may materially adversely affect our ability to use, sell or lease the property or to borrow using the property as collateral.

Risk Related to Tax, including REIT-Related Risks

Loss of our tax status as a REIT would substantially reduce our available funds and would have materially adverse consequences for us and the value of our common stock.

Qualification as a REIT involves the application of numerous highly technical and complex provisions of the Code, for which there are only limited judicial and administrative interpretations, as well as the determination of various factual matters and circumstances not entirely within our control. We intend to continue to operate in a manner that enables us to qualify as a REIT. However, our qualification and taxation as a REIT depend upon our ability to meet, through actual annual operating results, asset diversification, distribution levels and diversity of stock ownership, the various qualification tests imposed under the Code. For example, to qualify as a REIT, at least 95% of our gross income in any year must be derived from qualifying sources, and we must make distributions to our stockholders aggregating annually to at least 90% of our REIT taxable income, excluding net capital gains. In addition, new legislation, regulations, administrative interpretations or court decisions could change the tax laws or interpretations of

the tax laws regarding qualification as a REIT, or the federal income tax consequences of that qualification, in a manner that is materially adverse to our stockholders. Accordingly, there is no assurance that we have operated or will continue to operate in a manner so as to qualify or remain qualified as a REIT.

If we lose our REIT status, we will face serious tax consequences that will substantially reduce the funds available to make payments of principal and interest on the debt securities we issue and to make distributions to stockholders. If we fail to qualify as a REIT:

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• we will not be allowed a deduction for distributions to stockholders in computing our taxable income;

• we will be subject to corporate-level income tax on our taxable income at regular corporate rates;

• we will be subject to increased state and local income taxes; and

• unless we are entitled to relief under relevant statutory provisions, we will be disqualified from taxation as a REIT for the four taxable years following the year during which we fail to qualify as a REIT.

As a result of all these factors, our failure to qualify as a REIT could also impair our ability to expand our business and raise capital and could materially adversely affect the value of our common stock.

Recent changes to the U.S. tax laws could have a significant negative impact on the overall economy, our tenants, and our business.

On December 20, 2017, the House of Representatives and the Senate passed a tax reform bill, which was signed into law on December 22, 2017 (the “Tax Reform Legislation”). Among other things, the Tax Reform Legislation:

• restricted the deductibility of interest expense by businesses (generally, to 30% of the business’ adjusted taxable income) except, among others, real property businesses electing out of such restriction; generally, we expect our business to qualify as a real property business, but businesses conducted by our taxable REIT subsidiaries may not qualify;

• required real property businesses to use the less favorable alternative depreciation system to depreciate real property in the event businesses elect to avoid the interest deduction restriction above;

• restricted the benefits of like-kind exchanges that defer capital gains for tax purposes to exchanges of real property; and

• generally allowed a deduction for individuals equal to 20% of certain income from pass-through entities, including ordinary dividends distributed by a REIT (excluding capital gain dividends and qualified dividend income).

Many of the provisions in the Tax Reform Legislation expire at the end of 2025.

The Tax Reform Legislation was a far-reaching and complex revision to the existing U.S. federal income tax laws with disparate and, in some cases, countervailing impacts on different categories of taxpayers and industries and will require subsequent rulemaking and interpretation in a number of areas. As a result, we cannot predict the long-term impact of the Tax Reform Legislation on the overall economy, government revenues, our tenants, us, and the real estate industry. Furthermore, the Tax Reform Legislation may negatively impact certain of our tenants’ operating results, financial condition, and future business plans. This in turn could negatively impact our operating results, financial condition, and operations.

Further changes to U.S. federal income tax laws could materially and adversely affect us and our stockholders.

The present federal income tax treatment of REITs may be modified, possibly with retroactive effect, by legislative, judicial or administrative action at any time, which could affect the federal income tax treatment of an investment in us. The federal income tax rules dealing with U.S. federal income taxation and REITs are constantly under review by persons involved in the legislative process, the U.S. Internal Revenue Service (the “IRS”) and the U.S. Treasury Department, which results in statutory changes as well as frequent revisions to regulations and interpretations. We cannot predict how changes in the tax laws might affect our investors or us. Revisions in federal tax laws and interpretations thereof could significantly and negatively affect our ability to qualify as a REIT, as well as the tax considerations relevant to an investment in us, or could cause us to change our investments and commitments.

We could have potential deferred and contingent tax liabilities from corporate acquisitions that could limit, delay or impede future sales of our properties.

If, during the five-year period beginning on the date we acquire certain companies, we recognize a gain on the disposition of any property acquired, then, to the extent of the excess of (i) the fair market value of such property as of the acquisition date over (ii) our adjusted income tax basis in such property as of that date, we will be required to pay a corporate-level federal income tax on this gain at the highest regular corporate rate. There can be no assurance that these triggering dispositions will not occur, and these requirements could limit, delay or impede future sales of our properties.

In addition, the IRS may assert liabilities against us for corporate income taxes for taxable years prior to the time that we acquire certain companies, in which case we will owe these taxes plus interest and penalties, if any.

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There are uncertainties relating to the calculation of non-REIT tax earnings and profits (“E&P”) in certain acquisitions, which may require us to distribute E&P.

In order to remain qualified as a REIT, we are required to distribute to our stockholders all of the accumulated non-REIT E&P of certain companies that we acquire, prior to the close of the first taxable year in which the acquisition occurs. Failure to make such E&P distributions would result in our disqualification as a REIT. The determination of the amount to be distributed in such E&P distributions is a complex factual and legal determination. We may have less than complete information at the time we undertake our analysis, or we may interpret the applicable law differently from the IRS. We currently believe that we have satisfied the requirements relating to such E&P distributions. There are, however, substantial uncertainties relating to the determination of E&P, including the possibility that the IRS could successfully assert that the taxable income of the companies acquired should be increased, which would increase our non-REIT E&P. Moreover, an audit of the acquired company following our acquisition could result in an increase in accumulated non-REIT E&P, which could require us to pay an additional taxable distribution to our then-existing stockholders, if we qualify under rules for curing this type of default, or could result in our disqualification as a REIT.

Thus, we might fail to satisfy the requirement that we distribute all of our non-REIT E&P by the close of the first taxable year in which the acquisition occurs. Moreover, although there are procedures available to cure a failure to distribute all of our E&P, we cannot now determine whether we will be able to take advantage of these procedures or the economic impact on us of doing so.

Our international investments and operations may result in additional tax-related risks.

We own a 49% noncontrolling interest in a joint venture that owns senior housing properties in the U.K. Although we expect to sell our remaining 49% interest in the joint venture by no later than 2020, we currently remain exposed to risks associated with international investments and operations, including tax-related risks, which are different from those we face with respect to our domestic properties and operations. These risks include, but are not limited to: international currency gain recognized as a result of changes in exchange rates may in certain circumstances be treated as income that does not qualify under the 75% gross income test or the 95% gross income test that we must satisfy annually in order to qualify and maintain our status as a REIT;

challenges with respect to the repatriation of foreign earnings and cash; and

challenges of complying with foreign tax rules (including the possible revisions in tax treaties or other laws and regulations, including those governing the taxation of our international income).

Our charter contains ownership limits with respect to our common stock and other classes of capital stock.

Our charter contains restrictions on the ownership and transfer of our common stock and preferred stock that are intended to assist us in preserving our qualification as a REIT. Under our charter, subject to certain exceptions, no person or entity may own, actually or constructively, more than 9.8% (by value or by number of shares, whichever is more restrictive) of the outstanding shares of our common stock or any class or series of our preferred stock.

Additionally, our charter has a 9.9% ownership limitation on the direct or indirect ownership of our voting shares, which may include common stock or other classes of capital stock. Our Board of Directors, in its sole discretion, may exempt a proposed transferee from either ownership limit. The ownership limits may delay, defer or prevent a transaction or a change of control that might involve a premium price for our common stock or might otherwise be in the best interests of our stockholders.

ITEM 1B. Unresolved Staff Comments

None.

ITEM 2. Properties

We are organized to invest in income-producing healthcare-related facilities. In evaluating potential investments, we consider a multitude of factors, including:

location, construction quality, age, condition and design of the property;

geographic area, proximity to other healthcare facilities, type of property and demographic profile, including new competitive supply;

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- whether the expected risk-adjusted return exceeds the incremental cost of capital;
- whether the rent or operating income provides a competitive market return to our investors;
- duration, rental rates, tenant and operator quality and other attributes of in-place leases, including master lease structures and coverage;
- current and anticipated cash flow and its adequacy to meet our operational needs;
- availability of security such as letters of credit, security deposits and guarantees;
- potential for capital appreciation;
 - expertise and reputation of the tenant or operator;
- occupancy and demand for similar healthcare facilities in the same or nearby communities;
- availability of qualified operators or property managers and whether we can manage the property;
- potential alternative uses of the facilities;
- the regulatory and reimbursement environment in which the properties operate;
- tax laws related to REITs;
- prospects for liquidity through financing or refinancing; and
- our access to and cost of capital.

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Property and Direct Financing Lease Investments

The following table summarizes our consolidated property and direct financing lease ("DFL") investments as of and for the year ended December 31, 2018 (square feet and dollars in thousands):

Facility Location	Number of Facilities	Capacity (Units)	Gross Asset Value ⁽¹⁾	Real Estate Revenues ⁽²⁾	Operating Expenses
Senior housing triple-net—real estate:		(Units)			
California	16	1,572	\$389,349	\$ 36,979	\$(3,219)
Virginia	9	1,157	257,298	25,041	—
Florida	11	1,418	228,047	25,453	(8)
Texas	13	1,323	189,144	21,535	—
Pennsylvania	2	623	144,645	13,832	—
Washington	10	670	137,713	14,552	(1)
Oregon	10	955	137,180	13,821	(123)
Other (18 States)	48	4,157	772,101	86,953	(197)
	119	11,875	2,255,477	238,166	(3,548)
Senior housing—DFL					
Other (12 States)	27	3,126	629,214	37,925	(70)
Total senior housing triple-net	146	15,001	\$2,884,691	\$ 276,091	\$(3,618)
SHOP:		(Units)			
Texas	19	3,171	\$479,786	\$ 136,560	\$(94,433)
Florida	17	2,090	338,843	109,289	(86,380)
Colorado	5	687	206,592	35,414	(20,849)
Maryland	7	644	185,982	34,768	(26,261)
Illinois	4	771	143,924	38,960	(28,447)
Other (18 States)	41	4,345	707,302	192,985	(157,942)
Total SHOP	93	11,708	\$2,062,429	\$ 547,976	\$(414,312)

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Facility Location	Number of Facilities	Capacity (Sq. Ft.)	Gross Asset Value ⁽¹⁾	Real Estate Revenues ⁽²⁾	Operating Expenses
Life science:		(Sq. Ft.)			
California	113	5,805	\$3,765,565	\$357,868	\$(79,714)
Other (3 States)	11	910	417,629	37,196	(12,028)
Total life science	124	6,715	\$4,183,194	\$395,064	\$(91,742)
Medical office:		(Sq. Ft.)			
Texas	67	5,910	\$1,103,777	\$143,567	\$(59,163)
Pennsylvania	4	1,054	329,054	28,875	(12,364)
South Carolina	20	1,028	314,304	10,758	(1,601)
California	17	955	302,725	35,862	(16,234)
Other (29 States)	159	10,301	2,042,081	289,957	(100,497)
Total medical office	267	19,248	\$4,091,941	\$509,019	\$(189,859)
Other—Hospital:		(Beds)			
Texas	4	1,077	\$232,715	\$39,196	\$(5,240)
California	2	111	143,500	19,406	(127)
Other (7 States)	8	988	150,965	28,778	(140)
	14	2,176	\$527,180	\$87,380	\$(5,507)
Other—U.K.:		(Units)			
Other (U.K.) ⁽⁵⁾	—	—	—	19,492	—
Other—SNF:		(Beds)			
Virginia	1	120	16,780	1,261	—
Total other non-reportable segments	15		\$543,960	\$108,133	\$(5,507)
Total properties	645		\$13,766,215	\$1,836,283	\$(705,038)

Represents gross real estate and the carrying value of DFLs. Gross real estate represents the carrying amount of (1) real estate after adding back accumulated depreciation and amortization. Excludes real estate held for sale with an aggregate gross asset value of \$131 million.

(2) Represent the combined amount of rental and related revenues, resident fees and services and income from DFLs.

(3) Represents leased properties that are classified as DFLs.

(4) Includes leased properties that are classified as DFLs.

(5) Represents real estate revenues generated from real estate assets that were deconsolidated in June 2018 (see Note 5 to the Consolidated Financial Statements).

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Occupancy and Annual Rent Trends

The following table summarizes occupancy and average annual rent trends for our consolidated property and DFL investments for the years ended December 31 (average occupied square feet in thousands):

	2018	2017	2016	2015	2014
Senior housing triple-net:					
Average annual rent per unit ⁽¹⁾	\$16,449	\$15,352	\$14,604	\$14,544	\$13,907
Average capacity (available units)	16,914	21,536	28,455	28,777	33,917
SHOP:					
Average annual rent per unit ⁽¹⁾	\$48,433	\$41,133	\$42,851	\$41,435	\$38,017
Average capacity (available units)	11,248	12,758	16,028	12,704	6,408
Life science:					
Average occupancy percentage	95 %	96 %	98 %	97 %	93 %
Average annual rent per square foot ⁽¹⁾	\$54	\$52	\$48	\$46	\$46
Average occupied square feet	7,078	6,841	7,332	7,179	6,637
Medical office:					
Average occupancy percentage	92 %	92 %	91 %	91 %	91 %
Average annual rent per square foot ⁽¹⁾	\$29	\$28	\$28	\$28	\$28
Average occupied square feet	17,280	16,674	15,697	14,677	13,136
Other non-reportable segments:					
Average annual rent per bed - Hospital ⁽¹⁾	\$39,246	\$38,017	\$39,076	\$39,834	\$38,756
Average capacity (available beds) - Hospital	2,147	2,161	2,271	2,187	2,184
Average annual rent per unit - U.K. ⁽¹⁾⁽²⁾	—	9,097	9,200	10,048	11,240
Average capacity (available units) - U.K. ⁽²⁾	—	3,188	3,190	2,515	501
Average annual rent per bed - SNF ⁽¹⁾	10,504	10,298	10,803	8,292	8,062
Average capacity (available beds) - SNF	120	120	426	1,047	1,022

Average annual rent is presented as a ratio of revenues comprised of rental and related revenues and income from DFLs divided by the average capacity or average occupied square feet of the facilities. Average annual rent for (1) leased properties (including DFLs) excludes termination fees and non-cash revenue adjustments (i.e., straight-line rents, amortization of market lease intangibles, DFL non-cash interest and the impact of deferred community fee income).

(2) Our investments in the U.K. were deconsolidated in June 2018 (see Note 5 to the Consolidated Financial Statements).

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Tenant Lease Expirations

The following table shows tenant lease expirations, including those related to DFLs, for the next 10 years and thereafter at our consolidated properties, assuming that none of the tenants exercise any of their renewal or purchase options, unless otherwise noted below, and excludes properties in our SHOP segment and assets held for sale as of and for the year ended December 31, 2018 (dollars and square feet in thousands):

Segment	Expiration Year										
	Total	2019 ⁽¹⁾	2020	2021	2022	2023	2024	2025	2026	2027	2028
Senior housing triple-net:											
Properties	146	2	22	6	1	24	9	5	6	4	15
Base rent ⁽²⁾	\$263,173	\$2,305	\$40,753	\$7,969	\$1,548	\$46,215	\$13,445	\$9,354	\$4,316	\$12,359	\$36,949
% of segment base rent	100	1	15	3	1	18	5	4	2	5	14
Life science:											
Square feet	6,488	604	546	850	632	639	111	1,035	379	489	338
Base rent ⁽²⁾	\$285,294	\$24,653	\$19,890	\$50,365	\$21,345	\$36,210	\$6,213	\$46,238	\$17,955	\$22,898	\$15,079
% of segment base rent	100	9	7	18	7	13	2	16	6	8	5
Medical office:											
Square feet	17,731	2,806	2,444	1,923	1,796	1,530	888	2,084	795	735	1,325
Base rent ⁽²⁾	\$415,123	\$69,775	\$63,355	\$48,606	\$45,566	\$39,366	\$24,008	\$36,526	\$20,040	\$15,229	\$28,161
% of segment base rent	100	17	15	12	11	9	6	9	5	4	7
Other non-reportable segments:											
Properties	15	—	1	1	5	—	6	1	—	—	—
Base rent ⁽²⁾	\$75,370	\$—	\$8,145	\$1,619	\$14,099	\$—	\$22,972	\$20,051	\$—	\$—	\$—
% of segment base rent	100	—	11	2	19	—	30	27	—	—	—
Total:											
Base rent ⁽²⁾	\$1,038,960	\$96,733	\$132,143	\$108,559	\$82,558	\$121,791	\$66,638	\$112,169	\$42,311	\$50,486	\$80,189
% of total base rent	100	9	13	10	8	12	6	11	4	5	8

(1) Includes month-to-month leases.

The most recent month's (or subsequent month's, if acquired in the most recent month) base rent, including additional rent floors and cash income from DFLs, annualized for 12 months. Base rent does not include tenant recoveries, additional rents in excess of floors and non-cash revenue adjustments (i.e., straight-line rents, amortization of market lease intangibles, DFL non-cash interest and deferred revenues).

See the "Tenant Purchase Options" section of Note 6 to the Consolidated Financial Statements for additional information on leases subject to purchase options. See Schedule III: Real Estate and Accumulated Depreciation, included in this report, which information is incorporated by reference in this Item 2.

ITEM 3. Legal Proceedings

Except as described below, we are not aware of any legal proceedings or claims that we believe could have, individually or taken together, a material adverse effect on our financial condition, results of operations or cash flows. See "Legal Proceedings" section of Note 11 to the Consolidated Financial Statements for information regarding legal proceedings, which information is incorporated by reference in this Item 3.

ITEM 4. Mine Safety Disclosures

None.

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PART II

ITEM 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Our common stock is listed on the New York Stock Exchange ("NYSE") under the symbol "HCP."

At January 31, 2019, we had 8,945 stockholders of record, and there were 184,033 beneficial holders of our common stock.

Dividends (Distributions)

It has been our policy to declare quarterly dividends to common stockholders so as to comply with applicable provisions of the Code governing REITs. All distributions are made at the discretion of our Board of Directors in accordance with Maryland law. Distributions with respect to our common stock can be characterized for federal income tax purposes as ordinary dividends, capital gains, nondividend distributions or a combination thereof. The following table shows the characterization of our annual common stock distributions per share:

	Year Ended December 31,		
	2018	2017	2016
Ordinary dividends ⁽¹⁾	\$0.9578	\$1.4800	\$1.5561
Capital gains	0.5222	—	—
Nondividend distributions	—	—	6.7089
	\$1.4800	\$1.4800	\$8.2650 ⁽²⁾

(1) The 2018 amount includes \$0.0164 of qualified dividend income for purposes of Code Section 1(h)(11), and \$0.9414 of qualified business income for purposes of Code Section 199A.

(2) Consists of \$2.095 per common share of quarterly cash dividends and \$6.17 per common share of stock dividends related to the spin-off (the "Spin-Off") of Quality Care Properties, Inc. ("QCP") (discussed below).

HCP common stockholders on October 24, 2016, the record date for the Spin-Off (the "Record Date"), received upon the Spin-Off on October 31, 2016 one share of QCP common stock for every five shares of HCP common stock they held as of the Record Date (the "Distributed Shares") and cash in lieu of fractional shares of QCP. For U.S. federal income tax purposes, HCP reported the fair market value of the QCP common stock distributed per each share of HCP common stock outstanding on the Record Date was \$6.17, or \$30.85 for each share of QCP common stock.

Accordingly, every HCP common stockholder who received a Distributed Share has a tax cost basis of \$30.85 per Distributed Share.

On January 31, 2019, we announced that our Board of Directors declared a quarterly common stock cash dividend of \$0.37 per share. The common stock dividend will be paid on February 28, 2019 to stockholders of record as of the close of business on February 19, 2019.

Issuer Purchases of Equity Securities

The table below sets forth the information with respect to purchases of our common stock made by or on our behalf during the quarter ended December 31, 2018.

Period Covered	Total Number of Shares Purchased ⁽¹⁾	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number (or Approximate Dollar Value) of Shares that May Yet be Purchased Under
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				the Plans or Programs
October 1-31, 2018	448	\$ 27.35	—	—
November 1-30, 2018	—	—	—	—
December 1-31, 2018	2,798	27.88	—	—
Total	3,246	\$ 27.81	—	—

Represents restricted shares withheld under our equity incentive plans to offset tax withholding obligations that (1) occur upon vesting of restricted shares. The value of the shares withheld is based on the closing price of our common stock on the last trading day prior to the date the relevant transaction occurred.

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Performance Graph

The graph and table below compare the cumulative total return of HCP, the S&P 500 Index and the Equity REIT Index of NAREIT, from January 1, 2014 to December 31, 2018. Total cumulative return is based on a \$100 investment in HCP common stock and in each of the indices at the close of trading on December 31, 2013 and assumes quarterly reinvestment of dividends before consideration of income taxes. Stockholder returns over the indicated periods should not be considered indicative of future stock prices or stockholder returns.

COMPARISON OF FIVE-YEAR CUMULATIVE TOTAL RETURN

AMONG S&P 500, EQUITY REITS AND HCP, INC.

RATE OF RETURN TREND COMPARISON

JANUARY 1, 2014–DECEMBER 31, 2018

(JANUARY 1, 2014 = \$100)

Performance Graph Total Stockholder Return

	December 31,				
	2014	2015	2016	2017	2018
FTSE NAREIT Equity REIT Index	\$128.03	\$131.65	\$143.32	\$155.75	\$149.42
S&P 500	113.68	115.24	129.02	157.17	150.27
HCP, Inc.	127.80	117.53	106.52	98.26	111.71

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ITEM 6. Selected Financial Data

Set forth below is our selected financial data as of and for each of the years in the five-year period ended December 31 (dollars in thousands, except per share data):

	Year Ended December 31,				
	2018	2017	2016	2015	2014
Statement of operations data:					
Total revenues	\$ 1,846,689	\$ 1,848,378	\$ 2,129,294	\$ 1,940,489	\$ 1,636,833
Income (loss) from continuing operations	1,073,474	422,634	374,171	152,668	271,315
Net income (loss) applicable to common shares	1,058,424	413,013	626,549	(560,552)	919,796
Basic earnings per common share:					
Continuing operations	2.25	0.88	0.77	0.30	0.56
Discontinued operations	—	—	0.57	(1.51)	1.45
Net income (loss) applicable to common shares	2.25	0.88	1.34	(1.21)	2.01
Diluted earnings per common share:					
Continuing operations	2.24	0.88	0.77	0.30	0.56
Discontinued operations	—	—	0.57	(1.51)	1.44
Net income (loss) applicable to common shares	2.24	0.88	1.34	(1.21)	2.00
Balance sheet data:					
Total assets	12,718,553	14,088,461	15,759,265	21,449,849	21,331,436
Debt obligations ⁽¹⁾	5,567,908	7,880,466	9,189,495	11,069,003	9,721,269
Total equity	6,512,591	5,594,938	5,941,308	9,746,317	10,997,099
Other data:					
Dividends paid	696,913	694,955	979,542	1,046,638	1,001,559
Dividends paid per common share ⁽²⁾	1.480	1.480	2.095	2.260	2.180
Funds from operations ("NAREIT FFO" ⁽³⁾)	780,189	661,113	1,119,153	(10,841)	1,381,634
Diluted NAREIT FFO per common share ⁽³⁾	1.66	1.41	2.39	(0.02)	3.00
FFO as adjusted ⁽³⁾	857,233	918,402	1,282,390	1,470,167	1,398,691
Diluted FFO as adjusted per common share ⁽³⁾	1.82	1.95	2.74	3.16	3.04
Funds available for distribution ("FAD" ⁽³⁾)	746,397	803,720	1,215,696	1,261,849	1,178,822

(1) Includes bank line of credit, term loans, senior unsecured notes, mortgage debt and other debt.

(2) Represents cash dividends. Additionally, in October 2016 we issued \$6.17 per common share of stock dividends related to the Spin-Off.

(3) For a more detailed discussion and reconciliation of NAREIT FFO, FFO as adjusted and FAD, see "Results of Operations" and "Non-GAAP Financial Measure Reconciliations" in Item 7 of this report.

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ITEM 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations

The information set forth in this Item 7 is intended to provide readers with an understanding of our financial condition, changes in financial condition and results of operations. We will discuss and provide our analysis in the following order:

2018 Transaction Overview

Dividends

Results of Operations

Liquidity and Capital Resources

Contractual Obligations

Off-Balance Sheet Arrangements

Inflation

Non-GAAP Financial Measure Reconciliations

Critical Accounting Policies

Recent Accounting Pronouncements

2018 Transaction Overview

Mountain View Campus Sale

In November 2018, we sold our Shoreline Technology Center life science campus located in Mountain View, California for \$1.0 billion and recognized a gain on sale of \$726 million.

MSREI MOB JV

In August 2018, HCP and Morgan Stanley Real Estate Investment (“MSREI”) formed a joint venture (the “MSREI JV”) to own a portfolio of MOBs, which HCP owns 51% of and consolidates. To form the MSREI JV, MSREI contributed cash of \$298 million and HCP contributed nine wholly-owned MOBs (the “Contributed Assets”). The Contributed Assets are primarily located in Texas and Florida and were valued at approximately \$320 million at the time of contribution. The MSREI JV used substantially all of the cash contributed by MSREI to acquire an additional portfolio of 16 MOBs in Greenville, South Carolina (the “Greenville Portfolio”) for \$285 million. Concurrent with acquiring the additional MOBs, the MSREI JV entered into 10-year leases with an anchor tenant on each MOB in the Greenville Portfolio, which accounts for approximately 93% of the total leasable space in the portfolio.

Brookdale Transactions Update

In 2018, we sold six agreed upon facilities to Brookdale for \$275 million.

In March 2018, we completed the acquisition of Brookdale’s noncontrolling interest in RIDEA I for \$63 million.

During the fourth quarter of 2018, we completed the sale of 11 senior housing triple-net and eight SHOP facilities previously leased to Brookdale for \$377 million.

As of December 31, 2018, we had completed the transition of 38 assets previously operated by Brookdale to other operators.

See Note 3 to the Consolidated Financial Statements for additional information.

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U.K. Investment Update

In June 2018, we entered into a joint venture with an institutional investor (the "U.K. JV") through which we sold a 51% interest in U.K. assets previously owned by us (the "U.K. Portfolio") based on a total value of £382 million (\$507 million). We retained a 49% noncontrolling interest in the joint venture and received gross proceeds of \$402 million, including proceeds from the refinancing of our previously held intercompany loans. Upon closing the U.K. JV, we deconsolidated the U.K. Portfolio, recognized our retained noncontrolling interest investment at fair value (\$105 million) and recognized a gain on sale of \$11 million. We expect to sell our remaining 49% interest by no later than 2020.

Other Real Estate and Loan Transactions

In March 2018, we sold our Tandem Health Care mezzanine loan ("Tandem Mezzanine Loan") to a third party for approximately \$112 million, resulting in an impairment recovery, net of transaction costs and fees, of \$3 million. In June 2018, we sold our remaining 40% ownership interest in RIDEA II for \$91 million and caused Columbia Pacific Advisors, LLC to refinance our \$242 million of loans receivable from RIDEA II, which resulted in total proceeds of \$332 million.

In 2016, we provided a £105 million (\$131 million at closing) bridge loan (the "U.K. Bridge Loan") to Maria Mallaband Care Group Ltd. ("MMCG") to fund the acquisition of a portfolio of seven care homes in the U.K. Under the bridge loan, we retained a call option to acquire those seven care homes at a future date for £105 million. In March 2018, in conjunction with MMCG and HCP satisfying the conditions necessary to exercise our call option to acquire the seven care homes, we began consolidating the real estate. In June 2018, we completed the process of exercising the call option. The seven care homes acquired through the call option were included in the U.K. JV transaction (see U.K. Investment Update above). See Notes 5, 7 and 19 to the Consolidated Financial Statements for additional information. In November 2018, we acquired the outstanding equity interests in three life science joint ventures (which owned four buildings) for \$92 million, bringing our equity ownership to 100% for all three joint ventures. As a result, we recognized a gain on consolidation of \$50 million.

Additionally, during the year ended December 31, 2018, we sold: (i) 19 SHOP facilities, (ii) four life science assets, (iii) four MOBs and (iv) an undeveloped land parcel for a total of \$451 million.

In November 2018, we entered into definitive agreements to acquire two life science buildings in South San Francisco, California, adjacent to The Shore at Sierra Point development, for \$245 million. We made a \$15 million nonrefundable deposit upon completing due diligence and expect to close the transaction during the first half of 2019. In January and February 2019, we acquired a life science facility for \$71 million and development rights at an adjacent undeveloped land parcel for consideration of up to \$27 million. The existing facility and land parcel are located in Cambridge, Massachusetts.

Financing Activities

On July 3, 2018, we exercised our right to repay the outstanding £169 million balance under our term loan and re-borrow \$224 million with all other key terms unchanged. We repaid the full balance of our term loan in November 2018.

On July 16, 2018, we repaid all \$700 million outstanding of our 5.375% senior unsecured notes due 2021 and recorded a loss on debt extinguishment of approximately \$44 million.

On November 8, 2018, we repaid all \$450 million outstanding of our 3.75% senior unsecured notes due in 2019 at par.

During the fourth quarter of 2018, we issued 5.4 million shares of common stock under our at-the-market equity offering program for total net proceeds of \$154 million.

In December 2018, we issued two million shares for total net proceeds of \$57 million and entered into a forward equity sales agreement to sell up to an aggregate of 15.25 million additional shares on or before December 13, 2019 at an initial net price of \$28.60 per share, after underwriting discounts and commissions.

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- During 2018, we used proceeds from dispositions primarily to repay \$933 million of outstanding net borrowings under our revolving line of credit facility.
- Developments and Redevelopments
-

In March 2018, we acquired the rights to develop a new 214,000 square foot life science facility on our existing Hayden Research Campus in Lexington, Massachusetts for \$21 million. The development, 75 Hayden, will be a four-story, purpose-built Class A life science facility and parking garage.

In September and October 2018, we signed two leases totaling 222,000 square feet at The Shore at Sierra Point in South San Francisco, bringing the \$224 million first phase of the development to 100% pre-leased. The Shore at Sierra Point is a 23-acre waterfront life science development offering state-of-the-art laboratory and office space along with premier amenities.

During the third quarter of 2018, we commenced a program with HCA Healthcare to develop primarily on-campus MOBs. As of December 31, 2018, we had begun construction on one MOB with an estimated cost of \$26 million.

Dividends

Quarterly cash dividends paid during 2018 aggregated to \$1.48 per share. On January 31, 2019, our Board of Directors declared a quarterly cash dividend of \$0.37 per common share. The dividend will be paid on February 28, 2019 to stockholders of record as of the close of business on February 19, 2019.

Results of Operations

We evaluate our business and allocate resources among our reportable business segments: (i) senior housing triple-net, (ii) senior housing operating portfolio (SHOP), (iii) life science and (iv) medical office. Under the medical office and life science segments, we invest through the acquisition and development of MOBs and life science facilities, which generally require a greater level of property management. Our senior housing facilities are managed utilizing triple-net leases and RIDEA structures. We have other non-reportable segments that are comprised primarily of our debt investments, hospital properties, unconsolidated joint ventures and U.K. investments. We evaluate performance based upon: (i) property net operating income from continuing operations (“NOI”) and (ii) adjusted NOI (cash NOI) in each segment. The accounting policies of the segments are the same as those described in the summary of significant accounting policies (see Note 2 to the Consolidated Financial Statements).

Non-GAAP Financial Measures

Net Operating Income

NOI and Adjusted NOI are non-U.S. generally accepted accounting principles (“GAAP”) supplemental financial measures used to evaluate the operating performance of real estate. NOI is defined as real estate revenues (inclusive of rental and related revenues, resident fees and services, and income from direct financing leases), less property level operating expenses (which exclude transition costs); NOI excludes all other financial statement amounts included in net income (loss) as presented in Note 13 to the Consolidated Financial Statements. Management believes NOI provides relevant and useful information because it reflects only income and operating expense items that are incurred at the property level and presents them on an unlevered basis. Adjusted NOI is calculated as NOI after eliminating the effects of straight-line rents, DFL non-cash interest, amortization of market lease intangibles, termination fees, actuarial reserves for insurance claims that have been incurred but not reported, and the impact of deferred community fee income and expense. Adjusted NOI is oftentimes referred to as “Cash NOI.” NOI and Adjusted NOI exclude our share of income (loss) generated by unconsolidated joint ventures, which is recognized in equity income (loss) from unconsolidated joint ventures in the consolidated statements of operations. We use NOI and Adjusted NOI to make decisions about resource allocations, to assess and compare property level performance, and to evaluate our same property portfolio (“SPP”), as described below. We believe that net income (loss) is the most directly comparable GAAP measure to NOI and Adjusted NOI. NOI and Adjusted NOI should not be viewed as alternative measures of operating performance to net income (loss) as defined by GAAP since they do not reflect various excluded items. Further, our definitions of NOI and Adjusted NOI may not be comparable to the definitions used by other REITs or real estate companies, as they may use different methodologies for calculating NOI and Adjusted NOI. For a reconciliation of NOI and Adjusted NOI to net income (loss) by segment, refer to Note 13 to the Consolidated Financial Statements.

Operating expenses generally relate to leased medical office and life science properties and SHOP facilities. We generally recover all or a portion of our leased medical office and life science property expenses through tenant recoveries. We present expenses as operating or general and administrative based on the underlying nature of the expense.

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Same Property Portfolio

SPP NOI and Adjusted (Cash) NOI information allows us to evaluate the performance of our property portfolio under a consistent population by eliminating changes in the composition of our consolidated portfolio of properties. SPP NOI excludes certain non-property specific operating expenses that are allocated to each operating segment on a consolidated basis.

Properties are included in SPP once they are stabilized for the full period in both comparison periods. Newly acquired operating assets are generally considered stabilized at the earlier of lease-up (typically when the tenant(s) control(s) the physical use of at least 80% of the space) or 12 months from the acquisition date. Newly completed developments and redevelopments are considered stabilized at the earlier of lease-up or 24 months from the date the property is placed in service. Properties that experience a change in reporting structure, such as a transition from a triple-net lease to a RIDEA reporting structure, are considered stabilized after 12 months in operations under a consistent reporting structure. A property is removed from SPP when it is classified as held for sale, sold, placed into redevelopment, experiences a casualty event that significantly impacts operations or changes its reporting structure (such as triple-net to SHOP).

For a reconciliation of SPP to total portfolio Adjusted NOI and other relevant disclosures by segment, refer to our Segment Analysis below.

Funds From Operations ("FFO")

FFO encompasses NAREIT FFO and FFO as adjusted, each of which is described in detail below. We believe FFO applicable to common shares, diluted FFO applicable to common shares, and diluted FFO per common share are important supplemental non-GAAP measures of operating performance for a REIT. Because the historical cost accounting convention used for real estate assets utilizes straight-line depreciation (except on land), such accounting presentation implies that the value of real estate assets diminishes predictably over time. Since real estate values instead have historically risen and fallen with market conditions, presentations of operating results for a REIT that use historical cost accounting for depreciation could be less informative. The term FFO was designed by the REIT industry to address this issue.

NAREIT FFO. FFO, as defined by the National Association of Real Estate Investment Trusts ("NAREIT"), is net income (loss) applicable to common shares (computed in accordance with GAAP), excluding gains or losses from sales of depreciable property, including any current and deferred taxes directly associated with sales of depreciable property, impairments of, or related to, depreciable real estate, plus real estate and other real estate-related depreciation and amortization, and adjustments to compute our share of NAREIT FFO and FFO as adjusted (see below) from joint ventures. Adjustments for joint ventures are calculated to reflect our pro-rata share of both our consolidated and unconsolidated joint ventures. We reflect our share of NAREIT FFO for unconsolidated joint ventures by applying our actual ownership percentage for the period to the applicable reconciling items on an entity by entity basis. For consolidated joint ventures in which we do not own 100%, we reflect our share of the equity by adjusting our NAREIT FFO to remove the third party ownership share of the applicable reconciling items based on actual ownership percentage for the applicable periods. Our pro-rata share information is prepared on a basis consistent with the comparable consolidated amounts, is intended to reflect our proportionate economic interest in the operating results of properties in our portfolio and is calculated by applying our actual ownership percentage for the period. We do not control the unconsolidated joint ventures, and the pro-rata presentations of reconciling items included in NAREIT FFO do not represent our legal claim to such items. The joint venture members or partners are entitled to profit or loss allocations and distributions of cash flows according to the joint venture agreements, which provide for such allocations generally according to their invested capital.

The presentation of pro-rata information has limitations, which include, but are not limited to, the following: (i) the amounts shown on the individual line items were derived by applying our overall economic ownership interest percentage determined when applying the equity method of accounting and do not necessarily represent our legal claim to the assets and liabilities, or the revenues and expenses and (ii) other companies in our industry may calculate their pro-rata interest differently, limiting the usefulness as a comparative measure. Because of these limitations, the pro-rata financial information should not be considered independently or as a substitute for our financial statements as reported under GAAP. We compensate for these limitations by relying primarily on our GAAP financial statements,

using the pro-rata financial information as a supplement.

NAREIT FFO does not represent cash generated from operating activities in accordance with GAAP, is not necessarily indicative of cash available to fund cash needs and should not be considered an alternative to net income (loss). We compute NAREIT FFO in accordance with the current NAREIT definition; however, other REITs may report NAREIT FFO differently or have a different interpretation of the current NAREIT definition from ours. FFO as adjusted. In addition, we present NAREIT FFO on an adjusted basis before the impact of non-comparable items including, but not limited to, transaction-related items, impairments (recoveries) of non-depreciable assets, losses (gains) from the sale of non-depreciable assets, severance and related charges, prepayment costs (benefits) associated with early retirement or payment of debt, litigation costs (recoveries), casualty-related charges (recoveries), foreign currency remeasurement losses (gains) and changes in tax legislation ("FFO as adjusted"). Transaction-related items include transaction expenses and gains/charges incurred as a result of mergers and acquisitions and lease amendment or termination activities. Prepayment costs (benefits) associated with

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early retirement of debt include the write-off of unamortized deferred financing fees, or additional costs, expenses, discounts, make-whole payments, penalties or premiums incurred as a result of early retirement or payment of debt. Management believes that FFO as adjusted provides a meaningful supplemental measurement of our FFO run-rate and is frequently used by analysts, investors and other interested parties in the evaluation of our performance as a REIT. At the same time that NAREIT created and defined its FFO measure for the REIT industry, it also recognized that “management of each of its member companies has the responsibility and authority to publish financial information that it regards as useful to the financial community.” We believe stockholders, potential investors and financial analysts who review our operating performance are best served by an FFO run-rate earnings measure that includes certain other adjustments to net income (loss), in addition to adjustments made to arrive at the NAREIT defined measure of FFO. FFO as adjusted is used by management in analyzing our business and the performance of our properties, and we believe it is important that stockholders, potential investors and financial analysts understand this measure used by management. We use FFO as adjusted to: (i) evaluate our performance in comparison with expected results and results of previous periods, relative to resource allocation decisions, (ii) evaluate the performance of our management, (iii) budget and forecast future results to assist in the allocation of resources, (iv) assess our performance as compared with similar real estate companies and the industry in general and (v) evaluate how a specific potential investment will impact our future results. Other REITs or real estate companies may use different methodologies for calculating an adjusted FFO measure, and accordingly, our FFO as adjusted may not be comparable to those reported by other REITs. For a reconciliation of net income (loss) to NAREIT FFO and FFO as adjusted and other relevant disclosure, refer to “Non-GAAP Financial Measures Reconciliations” below.

Funds Available for Distribution

FAD is defined as FFO as adjusted after excluding the impact of the following: (i) amortization of deferred compensation expense, (ii) amortization of deferred financing costs, net, (iii) straight-line rents, (iv) deferred income taxes, (v) amortization of acquired market lease intangibles, net, (vi) non-cash interest related to DFLs and lease incentive amortization (reduction of straight-line rents), (vii) actuarial reserves for insurance claims that have been incurred but not reported, and (viii) deferred revenues, excluding amounts amortized into rental income that are associated with tenant funded improvements owned/recognized by us and up-front cash payments made by tenants to reduce their contractual rents. Also, FAD: (i) is computed after deducting recurring capital expenditures, including second generation leasing costs and second generation tenant and capital improvements, and (ii) includes lease restructure payments and adjustments to compute our share of FAD from our unconsolidated joint ventures and those related to CCRC non-refundable entrance fees. Certain prior period amounts in the “Non-GAAP Financial Measures Reconciliation” below for FAD have been reclassified to conform to the current period presentation. More specifically, recurring capital expenditures, including second generation leasing costs and second generation tenant and capital improvements (“FAD capital expenditures”) excludes our share from unconsolidated joint ventures (reported in “other FAD adjustments”). Adjustments for joint ventures are calculated to reflect our pro-rata share of both our consolidated and unconsolidated joint ventures. We reflect our share of FAD for unconsolidated joint ventures by applying our actual ownership percentage for the period to the applicable reconciling items on an entity by entity basis. We reflect our share for consolidated joint ventures in which we do not own 100% of the equity by adjusting our FAD to remove the third party ownership share of the applicable reconciling items based on actual ownership percentage for the applicable periods (reported in “other FAD adjustments”). See FFO for further disclosure regarding our use of pro-rata share information and its limitations. Other REITs or real estate companies may use different methodologies for calculating FAD, and accordingly, our FAD may not be comparable to those reported by other REITs. Although our FAD computation may not be comparable to that of other REITs, management believes FAD provides a meaningful supplemental measure of our performance and is frequently used by analysts, investors, and other interested parties in the evaluation of our performance as a REIT. We believe FAD is an alternative run-rate earnings measure that improves the understanding of our operating results among investors and makes comparisons with: (i) expected results, (ii) results of previous periods and (iii) results among REITs more meaningful. FAD does not represent cash generated from operating activities determined in accordance with GAAP and is not necessarily indicative of cash available to fund cash needs as it excludes the following items which generally flow through our cash flows from operating activities: (i) adjustments for changes in working capital or the actual timing of the payment of income or

expense items that are accrued in the period, (ii) transaction-related costs, (iii) litigation settlement expenses, (iv) severance-related expenses and (v) actual cash receipts from interest income recognized on loans receivable (in contrast to our FAD adjustment to exclude non-cash interest and depreciation related to our investments in direct financing leases). Furthermore, FAD is adjusted for recurring capital expenditures, which are generally not considered when determining cash flows from operations or liquidity. FAD is a non-GAAP supplemental financial measure and should not be considered as an alternative to net income (loss) determined in accordance with GAAP. For a reconciliation of net income (loss) to FAD and other relevant disclosure, refer to “Non-GAAP Financial Measures Reconciliations” below.

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Comparison of the Year Ended December 31, 2018 to the Year Ended December 31, 2017 and the Year Ended December 31, 2017 to the Year Ended December 31, 2016
Overview⁽¹⁾

2018 and 2017

The following table summarizes results for the years ended December 31, 2018 and 2017 (dollars in thousands):

	Year Ended		
	December 31,		
	2018	2017	Change
Net income (loss) applicable to common shares	\$1,058,424	\$413,013	\$645,411
NAREIT FFO	780,189	661,113	119,076
FFO as adjusted	857,233	918,402	(61,169)
FAD	746,397	803,720	(57,323)

(1) For the reconciliation of non-GAAP financial measures, see “Non-GAAP Financial Measure Reconciliations” section below.

Net income (loss) applicable to common shares ("net income (loss)") increased primarily as a result of the following:

- a larger net gain on sales of real estate during 2018 compared to 2017, primarily related to the sale of our Shoreline Technology Center life science campus in November 2018;
- increased NOI from: (i) annual rent escalations, (ii) 2017 and 2018 acquisitions, and (iii) development and redevelopment projects placed in service during 2017 and 2018;
- a gain on consolidation related to the acquisition of the outstanding equity interests in three life science joint ventures in November 2018;
- impairments of our mezzanine loan facility to Tandem Health Care (the “Tandem Mezzanine Loan”) in 2017;
- a net charge to NOI from the November 2017 transactions with Brookdale (the "2017 Brookdale Transactions" - see Note 3 to the Consolidated Financial Statements);
- a reduction in interest expense as a result of debt repayments, primarily in the second and third quarters of 2017 and throughout 2018, partially offset by an increased average balance under our revolving credit facility during 2018;
- higher income tax expense in 2017 related to the impact of new tax rate legislation, partially offset by tax benefits from higher sales volume during 2017;
- a reduction in litigation-related costs from securities class action litigation, and a one-time legal settlement in 2017;
- a reduction in loss on debt extinguishment related to the repurchases of our senior notes in July 2018 compared to July 2017; and
- casualty-related charges incurred due to hurricanes in the third quarter of 2017.

The increase in net income (loss) was partially offset by:

- a reduction in NOI in our senior housing triple-net segment, primarily as a result of the sale of senior housing triple-net assets and the transition of senior housing triple-net assets to SHOP during 2017 and 2018;
- a reduction in NOI in our SHOP segment, primarily as a result of occupancy declines and higher labor costs;
- a loss on consolidation of seven care homes in the U.K. during the first quarter of 2018;
- a reduction in income related to the gain on sale of our £138.5 million par value Four Seasons Health Care’s senior notes (the “Four Seasons Notes”) during 2017;
- increased impairment charges on real estate asset recognized during 2018 compared to 2017;

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a reduction in income as a result of: (i) asset sales during 2017 and 2018 and (ii) selling interests into the U.K. JV and MSREI JV (see Notes 4 and 5 to the Consolidated Financial Statements);

a reduction in interest income due to the: (i) payoff of our HC-One mezzanine loan (the "HC-One Facility") in June 2017 and (ii) sale of our Tandem Mezzanine Loan in March 2018;

increased depreciation and amortization expense as a result of: (i) assets acquired during 2017 and 2018 and (ii) development and redevelopment projects placed into operations during 2017 and 2018, primarily in our life science and medical office segments, partially offset by decreased depreciation and amortization from asset sales during 2017 and 2018;

a reduction in equity income from unconsolidated joint ventures as a result of the sale of our equity method investment in RIDEA II in June 2018, partially offset by additional equity income from the U.K. JV; and an increase in severance and related charges during 2018 primarily related to the departure of our former Executive Chairman compared to severance and related charges primarily related to the departure of our former Chief Accounting Officer ("CAO") in 2017.

NAREIT FFO increased primarily as a result of the aforementioned events impacting net income (loss), except for the following, which are excluded from NAREIT FFO:

gains on sales of real estate, including related tax impacts;

depreciation and amortization expense;

impairments of facilities within our senior housing triple-net and SHOP segments; and

net gain on consolidation.

FFO as adjusted decreased primarily as a result of the aforementioned events impacting NAREIT FFO, except for the following, which are excluded from FFO as adjusted:

the net charge to NOI from the 2017 Brookdale Transactions;

the impact of tax rate legislation during the fourth quarter of 2017;

severance and related charges;

losses on debt extinguishments;

litigation-related costs;

casualty-related charges;

the gain on sale of our Four Seasons Notes during the first quarter of 2017; and

the impairments of our Tandem Mezzanine Loan in 2017 and an undeveloped life science land parcel in 2018.

FAD decreased primarily as a result of the aforementioned events impacting FFO as adjusted, except for the impact of straight-line rents, which is excluded from FAD. The decrease in FAD was partially offset by lower FAD capital expenditures.

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2017 and 2016

On October 31, 2016, we completed the Spin-Off of QCP. The Spin-Off included 338 properties, primarily comprised of the HCR ManorCare, Inc. ("HCRMC") DFL investments and an equity investment in HCRMC.

The following table summarizes results for the years ended December 31, 2017 and 2016 (dollars in thousands):

	Year Ended		
	December 31,		
	2017	2016	Change
Net income (loss) applicable to common shares	\$413,013	\$626,549	\$(213,536)
NAREIT FFO	661,113	1,119,153	(458,040)
FFO as adjusted	918,402	1,282,390	(363,988)
FAD	803,720	1,215,696	(411,976)

Net income (loss) decreased primarily as a result of the following:

- a reduction in net income from discontinued operations due to the Spin-Off of QCP on October 31, 2016;
- a loss on debt extinguishment in July 2017, representing a premium for early payment on the repurchase of our senior notes;
- a reduction in rental and related revenues primarily as a result of assets sold during 2017, including the sale of 64 senior housing triple-net assets in the first quarter of 2017;
- a reduction in NOI primarily related to the net impact of the 2017 Brookdale Transactions;
- a reduction in earnings due to the partial sale and deconsolidation of RIDEA II during the first quarter of 2017;
- impairments related to: (i) the Tandem Mezzanine Loan and (ii) 11 underperforming senior housing triple-net facilities in the third quarter of 2017;
- increased litigation-related costs, including costs from securities class action litigation, and a one-time legal settlement in 2017;
- casualty-related charges due to hurricanes in the third quarter of 2017; and
- a reduction in interest income due to: (i) the payoffs of our HC-One Facility in June 2017 and a participating development loan during the third quarter of 2016 and (ii) decreased interest received from our Tandem Mezzanine Loan during the fourth quarter of 2017, partially offset by additional interest income in 2017 from our U.K. Bridge Loan.

The decrease in net income (loss) was partially offset by:

- a reduction in interest expense as a result of debt repayments in the fourth quarter of 2016 and throughout 2017;
- a reduction in severance and related charges primarily related to the departure of our former President and Chief Executive Officer ("CEO") in 2016 compared to severance and related charges primarily related to the departure of our former CAO in 2017;
- a larger net gain on sales of real estate during 2017 compared to 2016, primarily related to the sale of 64 senior housing triple-net assets and the partial sale of RIDEA II during 2017;
- an increase in income tax benefit primarily from real estate dispositions during 2017, partially offset by an income tax expense related to the impact of tax rate legislation during the fourth quarter of 2017; and
- an increase in other income primarily related to the gain on sale of our Four Seasons Notes during 2017.

NAREIT FFO decreased primarily as a result of the aforementioned events impacting net income (loss), except for gain on sales of real estate and impairments of real estate, which are excluded from NAREIT FFO.

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FFO as adjusted decreased primarily as a result of the following:

- a reduction in net income from discontinued operations due to the Spin-Off of QCP on October 31, 2016;
- a reduction in rental and related revenues primarily as a result of assets sold during 2017, including the sale of 64 senior housing triple-net assets;
- a reduction in earnings due to the partial sale and deconsolidation of RIDEA II during the first quarter of 2017; and
- a reduction in interest income due to: (i) the payoffs of our HC-One Facility in June 2017 and a participating development loan during the third quarter of 2016 and (ii) decreased interest received from our Tandem Mezzanine Loan during the fourth quarter of 2017, partially offset by additional interest income in 2017 from our U.K. Bridge Loan.

The decrease in FFO as adjusted was partially offset by a reduction in interest expense as a result of debt repayments in the fourth quarter of 2016 and throughout 2017.

FAD decreased primarily as a result of the aforementioned events impacting FFO as adjusted, (i) increased leasing costs and tenant capital improvements and (ii) decreased installment payments received from Brookdale for 2014 lease terminations that were paid over a period of three years and concluded in 2017.

Segment Analysis

The tables below provide selected operating information for our SPP and total property portfolio for each of our reportable segments. For the year ended December 31, 2018, our SPP consists of 522 properties representing properties acquired or placed in service and stabilized on or prior to January 1, 2017 and that remained in operations under a consistent reporting structure through December 31, 2018. For the year ended December 31, 2017, our SPP consisted of 617 properties acquired or placed in service and stabilized on or prior to January 1, 2016 and that remained in operations under a consistent reporting structure through December 31, 2017. Our total consolidated property portfolio consisted of 645, 744 and 851 properties at December 31, 2018, 2017 and 2016, respectively, excluding properties in the Spin-Off.

Senior Housing Triple-Net2018 and 2017

The following table summarizes results at and for the years ended December 31, 2018 and 2017 (dollars in thousands except per unit data):

	SPP			Total Portfolio ⁽¹⁾		
	2018	2017	Change	2018	2017	Change
Real estate revenues ⁽²⁾	\$245,737	\$239,273	\$6,464	\$276,091	\$313,547	\$(37,456)
Operating expenses	(377)	(371)	(6)	(3,618)	(3,819)	201
NOI	245,360	238,902	6,458	272,473	309,728	(37,255)
Adjustments to NOI	4,274	5,899	(1,625)	2,127	17,098	(14,971)
Adjusted NOI	\$249,634	\$244,801	\$4,833	274,600	326,826	(52,226)
Non-SPP adjusted NOI				(24,966)	(82,025)	57,059
SPP adjusted NOI				\$249,634	\$244,801	\$4,833
SPP Adjusted NOI % change			2.0	%		
Property count ⁽³⁾	146	146		146	181	
Average capacity (units) ⁽⁴⁾	15,002	15,000		16,914	21,536	
Average annual rent per unit	\$16,665	\$16,345		\$16,449	\$15,352	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) Represents rental and related revenues and income from DFLs.

(3) From our 2017 presentation of SPP, we removed 11 senior housing triple-net properties that were sold and 22 senior housing triple-net properties that were transitioned to our SHOP segment.

(4) Represents average capacity as reported by the respective tenants or operators for the 12-month period and a quarter in arrears from the periods presented.

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SPP NOI and Adjusted NOI increased primarily as a result of annual rent escalations. The increase in Adjusted NOI was partially offset by rent reductions under the 2017 Brookdale Transactions.

Total Portfolio NOI and Adjusted NOI decreased primarily as a result of the following Non-SPP impacts:

• decreased NOI from senior housing triple-net facilities sold during 2017 and 2018; and

• decreased NOI from the transfer of 25 and 22 senior housing triple-net facilities to our SHOP segment during 2017 and 2018, respectively.

The decrease in Total Portfolio NOI and Adjusted NOI is partially offset by the aforementioned increases to SPP. The decrease in Total Portfolio NOI was further offset by the net charge of triple-net lease terminations from the 2017 Brookdale Transactions.

2017 and 2016

The following table summarizes results at and for the years ended December 31, 2017 and 2016 (dollars in thousands except per unit data):

	SPP			Total Portfolio ⁽¹⁾		
	2017	2016	Change	2017	2016	Change
Real estate revenues ⁽²⁾	\$249,347	\$273,984	\$(24,637)	\$313,547	\$423,118	\$(109,571)
Operating expenses	(495)	(197)	(298)	(3,819)	(6,710)	2,891
NOI	248,852	273,787	(24,935)	309,728	416,408	(106,680)
Adjustments to NOI	38,760	(1,374)	40,134	17,098	(7,566)	24,664
Adjusted NOI	\$287,612	\$272,413	\$15,199	326,826	408,842	(82,016)
Non-SPP adjusted NOI				(39,214)	(136,429)	97,215
SPP adjusted NOI				\$287,612	\$272,413	\$15,199
SPP Adjusted NOI % change			5.6	%		
Property count ⁽³⁾	174	174		181	274	
Average capacity (units) ⁽⁴⁾	17,724	17,741		21,536	28,455	
Average annual rent per unit	\$16,255	\$15,366		\$15,352	\$14,604	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) Represents rental and related revenues and income from DFLs.

From our 2016 presentation of SPP, we removed four senior housing triple-net properties that were sold, 25 senior

(3) housing triple-net properties that were transitioned to our SHOP segment and two senior housing triple-net properties that were classified as held for sale.

(4) Represents average capacity as reported by the respective tenants or operators for the 12-month period and a quarter in arrears from the periods presented.

SPP NOI decreased primarily as a result of the net impact of triple-net lease terminations from the 2017 Brookdale Transactions.

SPP Adjusted NOI increased primarily as a result of the following:

• annual rent escalations; and

• higher cash rent received from our portfolio of assets leased to Sunrise Senior Living.

Additionally, Total Portfolio NOI and Adjusted NOI decreased primarily as a result of the following Non-SPP impacts:

• senior housing triple-net facilities sold during 2016 and 2017; and

• the transfer of 42 senior housing triple-net facilities to our SHOP segment during 2016 and 2017.

The decrease to Total Portfolio NOI and Adjusted NOI is partially offset by (i) increased non-SPP income from five senior housing triple-net facilities acquired in the first quarter of 2016 and (ii) the aforementioned increases to SPP Adjusted NOI.

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Senior Housing Operating Portfolio

2018 and 2017

The following table summarizes results at and for the years ended December 31, 2018 and 2017 (dollars in thousands, except per unit data):

	SPP			Total Portfolio ⁽¹⁾		
	2018	2017	Change	2018	2017	Change
Resident fees and services	\$262,887	\$256,471	\$6,416	\$547,976	\$525,473	\$22,503
Operating expenses	(182,511)	(183,384)	873	(414,312)	(396,491)	(17,821)
NOI	80,376	73,087	7,289	133,664	128,982	4,682
Adjustments to NOI	2,174	12,759	(10,585)	2,875	33,227	(30,352)
Adjusted NOI	\$82,550	\$85,846	\$(3,296)	136,539	162,209	(25,670)
Non-SPP adjusted NOI				(53,989)	(76,363)	22,374
SPP adjusted NOI				\$82,550	\$85,846	\$(3,296)
SPP Adjusted NOI % change			(3.8)%			
Property count ⁽²⁾	46	46		93	102	
Average capacity (units) ⁽³⁾	6,072	6,058		11,248	12,758	
Average annual rent per unit	\$43,219	\$42,387		\$48,433	\$41,133	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2017 presentation of SPP, we removed nine properties that were sold, eight SHOP properties that were placed into redevelopment and three SHOP properties that were classified as held for sale.

(3) Represents average capacity as reported by the respective tenants or operators for the 12-month period and a quarter in arrears from the periods presented.

SPP Adjusted NOI decreased primarily as a result of the following:

- occupancy declines and higher labor costs; partially offset by
- increased rates for resident fees and services.

SPP NOI increased primarily as a result of the net charge for management fee terminations from the 2017 Brookdale Transactions, partially offset by the aforementioned decreases to SPP Adjusted NOI.

Total Portfolio Adjusted NOI decreased primarily as a result of the aforementioned impacts to SPP and the following Non-SPP impacts:

- decreased NOI from our partial sale of RIDEA II in the first quarter of 2017; and
- decreased NOI from SHOP assets sold in 2017 and 2018; partially offset by
- increased NOI from the transfer of 25 and 22 senior housing triple-net assets to our SHOP segment during 2017 and 2018, respectively.

Total Portfolio NOI increased primarily a result of the net charge for management fee terminations from the 2017 Brookdale Transactions, partially offset by the aforementioned decreases to Total Portfolio Adjusted NOI.

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2017 and 2016

The following table summarizes results at and for the years ended December 31, 2017 and 2016 (dollars in thousands, except per unit data):

	SPP			Total Portfolio ⁽¹⁾		
	2017	2016	Change	2017	2016	Change
Resident fees and services	\$321,209	\$317,361	\$3,848	\$525,473	\$686,822	\$(161,349)
Operating expenses	(239,702)	(202,624)	(37,078)	(396,491)	(480,870)	84,379
NOI	81,507	114,737	(33,230)	128,982	205,952	(76,970)
Adjustments to NOI	32,863	(1,297)	34,160	33,227	(2,686)	35,913
Adjusted NOI	\$114,370	\$113,440	\$930	162,209	203,266	(41,057)
Non-SPP adjusted NOI				(47,839)	(89,826)	41,987
SPP adjusted NOI				\$114,370	\$113,440	\$930
SPP Adjusted NOI % change			0.8	%		
Property count ⁽²⁾	48	48		102	130	
Average capacity (units) ⁽³⁾	8,128	8,136		12,758	16,028	
Average annual rent per unit	\$44,378	\$43,842		\$41,133	\$42,851	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2016 presentation of SPP, we removed a SHOP property that was placed into redevelopment, two SHOP properties that were classified as held for sale and 49 SHOP properties that were deconsolidated.

(3) Represents average capacity as reported by the respective tenants or operators for the 12-month period and a quarter in arrears from the periods presented.

SPP NOI decreased primarily as a result of increased operating expenses related to the management fee terminations from the 2017 Brookdale Transactions.

SPP Adjusted NOI increased primarily as a result of the following:

• increased rates for resident fees and services; partially offset by

• higher expense growth and a decline in occupancy.

Additionally, Total Portfolio NOI and Adjusted NOI decreased primarily as a result of the following Non-SPP impacts:

• decreased non-SPP income from our partial sale of RIDEA II; partially offset by

• non-SPP income for 42 senior housing triple-net assets transferred to SHOP during 2016 and 2017.

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Life Science

2018 and 2017

The following table summarizes results at and for the years ended December 31, 2018 and 2017 (dollars and sq. ft. in thousands, except per sq. ft. data):

	SPP			Total Portfolio ⁽¹⁾		
	2018	2017	Change	2018	2017	Change
Rental and related revenues	\$265,120	\$258,781	\$6,339	\$395,064	\$358,816	\$36,248
Operating expenses	(58,752)	(56,431)	(2,321)	(91,742)	(78,001)	(13,741)
NOI	206,368	202,350	4,018	303,322	280,815	22,507
Adjustments to NOI	596	1,636	(1,040)	(9,589)	(4,517)	(5,072)
Adjusted NOI	\$206,964	\$203,986	\$2,978	293,733	276,298	17,435
Non-SPP adjusted NOI				(86,769)	(72,312)	(14,457)
SPP adjusted NOI				\$206,964	\$203,986	\$2,978
SPP Adjusted NOI % change			1.5 %			
Property count ⁽²⁾	94	94		124	131	
Average occupancy	94.8 %	95.5 %		95.0 %	96.2 %	
Average occupied square feet	5,166	5,195		7,078	6,841	
Average annual total revenues per occupied square foot	\$51	\$50		\$54	\$52	
Average annual base rent per occupied square foot	\$41	\$40		\$44	\$42	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2017 presentation of SPP, we removed 12 life science facilities that were sold and three life science facilities that were placed into redevelopment.

SPP NOI and Adjusted NOI increased primarily as a result of the following:

- new leasing activity; and

- specific to Adjusted NOI, annual rent escalations; partially offset by

- a mark-to-market rent decrease on a 147,000 square foot lease in South San Francisco.

Total Portfolio NOI and Adjusted NOI increased primarily as a result of the aforementioned increases to SPP and the following Non-SPP impacts:

- increased NOI from: (i) increased occupancy in portions of a development placed into operations in 2017 and 2018 and (ii) acquisitions in 2017; partially offset by

- decreased NOI from: (i) sales of life science facilities in 2017 and 2018 and (ii) the placement of life science facilities into redevelopment in 2017 and 2018.

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2017 and 2016

The following table summarizes results at and for the years ended December 31, 2017 and 2016 (dollars and sq. ft. in thousands, except per sq. ft. data):

	SPP			Total Portfolio ⁽¹⁾		
	2017	2016	Change	2017	2016	Change
Rental and related revenues	\$304,858	\$292,147	\$12,711	\$358,816	\$358,537	\$279
Operating expenses	(63,612)	(58,363)	(5,249)	(78,001)	(72,478)	(5,523)
NOI	241,246	233,784	7,462	280,815	286,059	(5,244)
Adjustments to NOI	2,427	339	2,088	(4,517)	(2,954)	(1,563)
Adjusted NOI	\$243,673	\$234,123	\$9,550	276,298	283,105	(6,807)
Non-SPP adjusted NOI				(32,625)	(48,982)	16,357
SPP adjusted NOI				\$243,673	\$234,123	\$9,550
SPP Adjusted NOI % change			4.1	%		
Property count ⁽²⁾	108	108		131	128	
Average occupancy	96.3	% 97.7	%	96.2	% 97.5	%
Average occupied square feet	6,105	6,193		6,841	7,332	
Average annual total revenues per occupied square foot	\$50	\$47		\$52	\$48	
Average annual base rent per occupied square foot	\$41	\$39		\$42	\$40	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2016 presentation of SPP, we removed one life science facility that was sold and four life science facilities that were classified as held for sale.

SPP NOI and Adjusted NOI increased primarily as a result of the following:

- mark-to-market lease renewals;
- new leasing activity; and
- specific to adjusted NOI, annual rent escalations.

Total Portfolio NOI and Adjusted NOI decreased primarily as a result of the following impacts to Non-SPP:

- decreased income from sales of life science facilities in 2016 and 2017; partially offset by
- increased income from (i) increased occupancy in portions of developments placed in operations in 2016 and 2017 and (ii) life science acquisitions in 2016 and 2017.

The decrease in Total Portfolio NOI and Adjusted NOI was also partially offset by the aforementioned increases to SPP.

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Medical Office

2018 and 2017

The following table summarizes results at and for the years ended December 31, 2018 and 2017 (dollars and sq. ft. in thousands, except per sq. ft. data):

	SPP			Total Portfolio ⁽¹⁾		
	2018	2017	Change	2018	2017	Change
Rental and related revenues	\$422,003	\$415,687	\$6,316	\$509,019	\$477,459	\$31,560
Operating expenses	(152,875)	(151,234)	(1,641)	(189,859)	(183,197)	(6,662)
NOI	269,128	264,453	4,675	319,160	294,262	24,898
Adjustments to NOI	(307)	(1,279)	972	(2,899)	(2,952)	53
Adjusted NOI	\$268,821	\$263,174	\$5,647	316,261	291,310	24,951
Non-SPP adjusted NOI				(47,440)	(28,136)	(19,304)
SPP adjusted NOI				\$268,821	\$263,174	\$5,647
SPP Adjusted NOI % change			2.1	%		
Property count ⁽²⁾	221	221		267	254	
Average occupancy	92.3	% 92.6	%	92.0	% 91.8	%
Average occupied square feet	14,892	14,984		17,280	16,674	
Average annual total revenues per occupied square foot	\$28	\$28		\$29	\$28	
Average annual base rent per occupied square foot	\$24	\$23		\$25	\$24	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2017 presentation of SPP, we removed four MOB's that were sold and three MOB's that were placed into redevelopment.

SPP NOI and Adjusted NOI increased primarily as a result of mark-to-market lease renewals. Additionally, SPP Adjusted NOI increased as a result of annual rent escalations.

Total Portfolio NOI and Adjusted NOI increased primarily as a result of the aforementioned increases to SPP and the following Non-SPP impacts:

• increased NOI from our 2017 and 2018 acquisitions; and

• increased occupancy in redevelopment and development properties placed into operations in 2017 and 2018; partially offset by

• decreased NOI from sales of eight MOB's during 2017 and 2018 and the placement of one MOB into redevelopment.

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2017 and 2016

The following table summarizes results at and for the years ended December 31, 2017 and 2016 (dollars and sq. ft. in thousands, except per sq. ft. data):

	SPP			Total Portfolio ⁽¹⁾		
	2017	2016	Change	2017	2016	Change
Rental and related revenues	\$400,747	\$392,166	\$8,581	\$477,459	\$446,280	\$31,179
Operating expenses	(150,329)	(146,300)	(4,029)	(183,197)	(173,687)	(9,510)
NOI	250,418	245,866	4,552	294,262	272,593	21,669
Adjustments to NOI	2,183	(523)	2,706	(2,952)	(3,536)	584
Adjusted NOI	\$252,601	\$245,343	\$7,258	291,310	269,057	22,253
Non-SPP adjusted NOI				(38,709)	(23,714)	(14,995)
SPP adjusted NOI				\$252,601	\$245,343	\$7,258
SPP Adjusted NOI % change			3.0 %			
Property count ⁽²⁾	212	212		254	242	
Average occupancy	91.9 %	92.2 %		91.8 %	91.5 %	
Average occupied square feet	14,224	14,303		16,674	15,697	
Average annual total revenues per occupied square foot	\$28	\$27		\$28	\$28	
Average annual base rent per occupied square foot	\$24	\$23		\$24	\$24	

(1) Total Portfolio includes results of operations from disposed properties and properties that transitioned segments through the disposition or transition date.

(2) From our 2016 presentation of SPP, we removed four MOB's that were sold and two MOB's that were placed into redevelopment.

SPP NOI and Adjusted NOI increased primarily as a result of mark-to-market lease renewals and new leasing activity. Additionally, SPP Adjusted NOI increased as a result of annual rent escalations.

Total Portfolio NOI and Adjusted NOI increased primarily as a result of the aforementioned increases to SPP and the following impacts to Non-SPP:

- increased income from our 2016 and 2017 acquisitions; and
- increased occupancy in former redevelopment and development properties placed into operations; partially offset by decreased income from sales of seven MOB's during 2016 and 2017 and the placement of one MOB into redevelopment.

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Other Income and Expense Items

The following table summarizes results for the years ended December 31, 2018, 2017 and 2016 (in thousands):

	Year Ended December 31,			2018 vs.	2017 vs.
	2018	2017	2016	2017	2016
Interest income	\$10,406	\$56,237	\$88,808	\$(45,831)	\$(32,571)
Interest expense	266,343	307,716	464,403	(41,373)	(156,687)
Depreciation and amortization	549,499	534,726	568,108	14,773	(33,382)
General and administrative	96,702	88,772	103,611	7,930	(14,839)
Transaction costs	10,772	7,963	9,821	2,809	(1,858)
Impairments (recoveries), net	55,260	166,384	—	(111,124)	166,384
Gain (loss) on sales of real estate, net	925,985	356,641	164,698	569,344	191,943
Loss on debt extinguishments	(44,162)	(54,227)	(46,020)	10,065	(8,207)
Other income (expense), net	13,316	31,420	3,654	(18,104)	27,766
Income tax benefit (expense)	17,854	1,333	(4,473)	16,521	5,806
Equity income (loss) from unconsolidated joint ventures	(2,594)	10,901	11,360	(13,495)	(459)
Total discontinued operations	—	—	265,755	—	(265,755)
Noncontrolling interests' share in earnings	(12,381)	(8,465)	(12,179)	(3,916)	3,714

Interest income. The decrease in interest income for the year ended December 31, 2018 was primarily the result of: (i) the sale of our Tandem Mezzanine Loan during the first quarter of 2018, (ii) the payoff of our HC-One Facility in June 2017, and (iii) the conversion of the U.K. Bridge Loan into real estate during the first quarter of 2018.

The decrease in interest income for the year ended December 31, 2017 was primarily the result of: (i) the payoff of our HC-One Facility in June 2017, (ii) incremental interest income received during the second quarter of 2016 due to the payoff of three participating development loans, and (iii) decreased interest received from our Tandem Mezzanine Loan during the fourth quarter of 2017.

Interest expense. The decrease in interest expense for the year ended December 31, 2018 was primarily the result of senior unsecured notes repayments during 2017 and 2018, partially offset by an increased average balance under our revolving credit facility during 2018.

The decrease in interest expense for the year ended December 31, 2017 was primarily the result of senior unsecured notes and mortgage debt repayments, which occurred primarily in the second half of 2016 and throughout 2017.

Depreciation and amortization. The increase in depreciation and amortization expense for the year ended December 31, 2018 was primarily as a result of: (i) assets acquired during 2017 and 2018 (primarily in our life science and medical office segments) and (ii) development and redevelopment projects placed into operations during 2017 and 2018 (primarily in our life science and medical office segments), partially offset by dispositions of real estate throughout 2017 and 2018.

The decrease in depreciation and amortization expense for the year ended December 31, 2017 was primarily as a result of the sale of 64 senior housing triple-net assets and the deconsolidation of RIDEA II during the first quarter of 2017, partially offset by depreciation and amortization of assets acquired and placed in service during 2016 and 2017.

General and administrative expenses. The increase in general and administrative expenses for the year ended December 31, 2018 was primarily as a result of increased severance and related charges, primarily resulting from the departure of our former Executive Chairman in March 2018, which exceeded severance and related charges in 2017, which were primarily related to the departure of our former CAO in the third quarter of 2017.

The decrease in general and administrative expenses for the year ended December 31, 2017 was primarily as a result of severance and related charges, primarily resulting from the departure of our former President and CEO in the third quarter of 2016, which exceeded severance and related charges in 2017, primarily related to the departure of our former CAO in the third quarter of 2017.

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Impairments (recoveries), net. During the year ended December 31, 2018, we recognized \$55 million of impairments, primarily related to the following real estate assets: (i) 20 SHOP assets (including 17 classified as held for sale at the time they were impaired) and (ii) an undeveloped life science land parcel classified as held for sale.

During the year ended December 31, 2017, we recognized: (i) \$144 million of impairments on our Tandem Mezzanine Loan (see Note 7 to the Consolidated Financial Statements) and (ii) \$23 million of impairments on 11 underperforming senior housing triple-net facilities.

For the year ended December 31, 2016, there were no impairments recognized.

Gain (loss) on sales of real estate, net. During the year ended December 31, 2018, we sold: (i) our remaining interest in RIDEA II, (ii) a 51% interest in our U.K. Portfolio, (iii) 31 SHOP facilities, (iv) 16 life science assets, (v) 13 senior housing triple-net facilities, and (vi) four MOBAs and recognized total net gain on sales of \$926 million.

During the year ended December 31, 2017, we sold: (i) 68 senior housing triple-net facilities, (ii) five life science facilities, (iii) five SHOP facilities, (iv) four MOBAs, and (v) a 40% interest in RIDEA II and recognized total net gain on sales of \$357 million.

During the year ended December 31, 2016, we sold: (i) a portfolio of five facilities in one of our non-reportable segments and two senior housing triple-net facilities, (ii) five life science facilities, (iii) seven senior housing triple-net facilities, (iv) three MOBAs, and (v) three SHOP facilities, recognizing total net gain on sales of \$165 million.

Loss on debt extinguishments. During the year ended December 31, 2018, we repurchased \$700 million of our 5.375% senior notes due 2021 and recognized a \$44 million loss on debt extinguishment.

During the year ended December 31, 2017, we repurchased \$500 million of our 5.375% senior notes due 2021 and recognized a \$54 million loss on debt extinguishment.

During the fourth quarter of 2016, using proceeds from the Spin-Off, we repaid \$1.1 billion of senior unsecured notes that were due to mature in January 2017 and January 2018 and repaid \$108 million of mortgage debt, incurring an aggregate loss on debt extinguishments of \$46 million.

Other income (expense), net. The decrease in other income (expense), net for the year ended December 31, 2018 was primarily as a result of: (i) a loss on consolidation of seven U.K. care homes in March 2018 (see Note 19 to the Consolidated Financial Statements) and (ii) a gain on sale of our Four Seasons Notes in March 2017. The decrease in other income (expense), net was partially offset by: (i) a gain on consolidation related to the acquisition of the outstanding equity interests in three life science joint ventures in November 2018, (ii) casualty-related charges due to hurricanes incurred in the third quarter of 2017, and (iii) decreased litigation costs in 2018.

The increase in other income (expense), net for the year ended December 31, 2017 was primarily as a result of the gain on sale of our Four Seasons Notes, partially offset by casualty-related charges due to hurricanes in the third quarter of 2017 and increased litigation-related expenses in 2017.

Income tax benefit (expense). The increase in income tax benefit for the year ended December 31, 2018 was primarily the result of: (i) a \$6 million income tax benefit related to our share of operating losses from our RIDEA joint ventures and U.K. real estate investments, (ii) a \$17 million income tax expense related to the impact of tax rate legislation during the fourth quarter of 2017, and (iii) partially offset by a \$6 million benefit from the partial sale of RIDEA II in 2017.

The decrease in income tax expense for the year ended December 31, 2017 was primarily the result of: (i) a \$6 million income tax benefit from the partial sale of RIDEA II in 2017, (ii) a \$5 million income tax benefit related to our share of operating losses from our RIDEA joint ventures, (iii) a \$1 million deferred tax benefit from casualty-related charges recognized in the second half of 2017, and (iv) a \$11 million income tax expense recognized in 2016 associated with federal income tax and state built-in gain tax for the disposition of certain real estate assets. The total tax benefit was partially offset by a \$17 million income tax expense related to the impact of tax rate legislation during the fourth quarter of 2017.

Equity income (loss) from unconsolidated joint ventures. The decrease in equity income from unconsolidated joint ventures for the year ended December 31, 2018 was primarily the result of the sale of our equity method investment in RIDEA II in June 2018, partially offset by additional equity income from our investment in the U.K. JV.

The decrease in equity income from unconsolidated joint ventures for the year ended December 31, 2017 was primarily the result of income from our share of gains on sales of real estate in 2016, partially offset by income from

our investment in RIDEA II, which was deconsolidated in the first quarter of 2017.

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Total discontinued operations. Discontinued operations for the year ended December 31, 2016 resulted in income of \$266 million. Income from discontinued operations primarily relates to the operations of QCP. There were no discontinued operations for the years ended December 31, 2017 and 2018.

Liquidity and Capital Resources

We anticipate that our cash flow from operations, available cash balances and cash from our various financing activities will be adequate for at least the next 12 months for purposes of: (i) funding recurring operating expenses; (ii) meeting debt service requirements, including principal payments and maturities; and (iii) satisfying our distributions to our stockholders and non-controlling interest members.

Our principal investing liquidity needs for the next 12 months are to:

fund capital expenditures, including tenant improvements and leasing costs; and
fund future acquisition, transactional and development activities.

We anticipate satisfying these future investing needs using one or more of the following:

sale or exchange of ownership interests in properties;
draws on our credit facilities;
issuance of additional debt, including unsecured notes and mortgage debt; and/or
issuance of common or preferred stock.

Access to capital markets impacts our cost of capital and ability to refinance maturing indebtedness, as well as our ability to fund future acquisitions and development through the issuance of additional securities or secured debt.

Credit ratings impact our ability to access capital and directly impact our cost of capital as well. For example, our revolving line of credit facility accrues interest at a rate per annum equal to LIBOR plus a margin that depends upon our credit ratings. We also pay a facility fee on the entire revolving commitment that depends upon our credit ratings. As of February 11, 2019, we had a credit rating of BBB from Fitch, Baa1 from Moody's and BBB+ from S&P Global on our senior unsecured debt securities.

Cash Flow Summary

The following summary discussion of our cash flows is based on the Consolidated Statements of Cash Flows and is not meant to be an all-inclusive discussion of the changes in our cash flows for the periods presented below. The following table sets forth changes in cash flows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Net cash provided by (used in) operating activities	\$848,709	\$847,041	\$1,214,131
Net cash provided by (used in) investing activities	1,829,279	1,246,257	(428,973)
Net cash provided by (used in) financing activities	(2,620,536)	(2,148,461)	(1,054,265)

Operating Cash Flows

Operating cash flow increased \$2 million between the years ended December 31, 2018 and 2017 primarily as the result of: (i) 2017 and 2018 acquisitions, (ii) annual rent increases, (iii) developments and redevelopments placed in service during 2017 and 2018, and (iv) decreased interest paid as a result of debt repayments during 2017 and 2018. The increase in operating cash flow is partially offset by: (i) dispositions during 2017 and 2018, (ii) the partial sale and deconsolidation of the U.K. JV in 2018, (iii) the partial sale and deconsolidation of RIDEA II during the first quarter of 2017, (iv) occupancy declines and higher labor costs within our SHOP segment, (v) decreased interest received as a result of loan repayments during 2017, and (vi) decreased distributions of earnings from our unconsolidated joint ventures. Our cash flow from operations is dependent upon the occupancy levels of our buildings, rental rates on leases, our tenants' performance on their lease obligations, the level of operating expenses, and other factors.

Operating cash flow decreased \$367 million between the years ended December 31, 2017 and 2016 primarily as the result of: (i) decreased Adjusted NOI related to the Spin-Off and dispositions in 2016 and 2017 and (ii) decreased interest received as a result

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of loan repayments during 2016 and 2017; partially offset by: (i) 2016 and 2017 acquisitions, (ii) annual rent increases, (iii) and decreased interest paid as a result of lower balances on our senior unsecured notes and term loans.

Investing Cash Flows

The following are significant investing activities for the year ended December 31, 2018:

• received net proceeds of \$2.9 billion primarily from: (i) sales of real estate assets, (ii) the sale of RIDEA II, (iii) the sale of the Tandem Mezzanine Loan, and (iv) the U.K. JV transaction; and

• made investments of \$1.1 billion primarily related to the acquisition, development, and redevelopment of real estate.

The following are significant investing activities for the year ended December 31, 2017:

• received net proceeds of \$1.8 billion from sales of real estate, including the sale and recapitalization of RIDEA II;

• received net proceeds of \$559 million primarily from: (i) the sale of our Four Seasons Notes, (ii) the repayment of our HC-One Facility, and (iii) a DFL repayment; and

• made investments of \$1.1 billion primarily for the acquisition and development of real estate.

The following are significant investing activities for the year ended December 31, 2016:

• made investments of \$1.3 billion primarily from: (i) development, leasing and acquisition of real estate, (ii)

investments in unconsolidated joint ventures and loans, and (iii) purchases of securities; and

• received proceeds of \$908 million primarily from real estate and DFL sales.

Financing Cash Flows

The following are significant financing activities for the year ended December 31, 2018:

• repaid \$2.4 billion of debt under our: (i) bank line of credit, (ii) term loan, (iii) senior unsecured notes (including debt extinguishment costs) and (iv) mortgage debt;

• paid cash dividends on common stock of \$697 million;

• paid \$83 million for distributions to and purchases of noncontrolling interests, primarily related to our acquisition of Brookdale's noncontrolling interest in RIDEA I;

• raised net proceeds of \$218 million from the issuances of common stock, primarily from our at-the-market equity program; and

• received proceeds of \$300 million for issuances of noncontrolling interests, primarily related to the MSREI MOB JV.

The following are significant financing activities for the year ended December 31, 2017:

• repaid \$1.4 billion of debt under our: (i) term loans, (ii) senior unsecured notes (including debt extinguishment costs) and (iii) mortgage debt, partially offset by net borrowings under our bank line of credit; and

• paid cash dividends on common stock of \$695 million.

The following are significant financing activities for the year ended December 31, 2016:

• received net proceeds of \$1.7 billion from the Spin-Off;

• repaid \$1.8 billion of debt under our senior unsecured notes (including debt extinguishment costs) and mortgage debt, partially offset by net borrowings under our bank line of credit; and

• paid cash dividends on common stock of \$980 million.

Debt

See Note 10 in the Consolidated Financial Statements for information about our outstanding debt.

See "2018 Transaction Overview" for further information regarding our significant financing activities during the year ended December 31, 2018.

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Approximately 98%, 84% and 83% of our total debt, inclusive of \$43 million, \$44 million and \$46 million of variable rate debt swapped to fixed through interest rate swaps, was fixed rate debt as of December 31, 2018, 2017 and 2016, respectively. At December 31, 2018, our fixed rate debt and variable rate debt had weighted average interest rates of 4.04% and 2.15%, respectively. At December 31, 2017, our fixed rate debt and variable rate debt had weighted average interest rates of 4.19% and 2.56%, respectively. At December 31, 2016, our fixed rate debt and variable rate debt had weighted average interest rates of 4.26% and 2.23%, respectively. For a more detailed discussion of our interest rate risk, see “Quantitative and Qualitative Disclosures About Market Risk” in Item 3 below.

Equity

At December 31, 2018, we had 477 million shares of common stock outstanding, equity totaled \$6.5 billion, and our equity securities had a market value of \$13.5 billion.

At December 31, 2018, non-managing members held an aggregate of four million units in five limited liability companies (“DownREITs”) for which we are the managing member. The DownREIT units are exchangeable for an amount of cash approximating the then-current market value of shares of our common stock or, at our option, shares of our common stock (subject to certain adjustments, such as stock splits and reclassifications).

We renewed our at-the-market equity program in May 2018, pursuant to which we may sell shares of our common stock having an aggregate gross sales price of up to \$750 million through a consortium of banks acting as sales agents or directly to the banks acting as principals. During the year ended December 31, 2018, we issued 5.4 million shares of common stock at a weighted average net price of \$28.27 for net proceeds of \$154 million (gross proceeds of \$156 million, net of \$2 million of fees paid to sales agents). At December 31, 2018, \$594 million of our common stock remained available for sale under the at-the-market program. Actual future sales will depend upon a variety of factors, including but not limited to market conditions, the trading price of our common stock and our capital needs. We have no obligation to sell any shares under our at-the-market program.

In December 2018, we entered into a forward equity sales agreement to sell up to an aggregate of 15.25 million shares of our common stock (including shares issued through the exercise of underwriters’ options) at an initial net price of \$28.60 per share, after underwriting discounts and commissions. The agreement has a one year term and expires on December 13, 2019. The forward sale price that we expect to receive upon settlement of the agreement will be subject to adjustments for: (i) the forward purchasers’ stock borrowing costs and (ii) certain fixed price reductions during the term of the agreement. At December 31, 2018, no shares have been issued under the forward equity sales agreement.

In December 2018, contemporaneous with the forward equity offering discussed above, we completed a public offering of two million shares of common stock at a net price of \$28.60 per share, resulting in net proceeds of \$57 million.

Shelf Registration

We filed a prospectus with the SEC as part of a registration statement on Form S-3, using an automatic shelf registration process. Our current shelf registration statement expires in May 2021, at which time we expect to file a new shelf registration statement. Under the “shelf” process, we may sell any combination of the securities described in the prospectus through one or more offerings. The securities described in the prospectus include common stock, preferred stock, depositary shares, debt securities and warrants.

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Contractual Obligations

The following table summarizes our material contractual payment obligations and commitments at December 31, 2018 (in thousands):

	Total ⁽¹⁾	2019	2020-2021	2022-2023	More than Five Years
Bank line of credit ⁽²⁾	\$80,103	\$—	\$80,103	\$—	\$—
Senior unsecured notes	5,300,000	—	800,000	1,700,000	2,800,000
Mortgage debt	133,334	3,561	14,566	5,502	109,705
Construction loan commitments ⁽³⁾	72,654	68,365	4,289	—	—
Development commitments ⁽⁴⁾	299,702	273,625	26,077	—	—
Ground and other operating leases	495,035	5,597	11,463	11,845	466,130
Interest ⁽⁵⁾	1,571,843	260,860	453,196	343,702	514,085
Total	\$7,952,671	\$612,008	\$1,389,694	\$2,061,049	\$3,889,920

(1) Excludes \$91 million of other debt that represents life care bonds and demand notes that have no scheduled maturities.

(2) Includes £55 million translated into USD.

(3) Represents commitments to finance development projects.

(4) Represents construction and other commitments for developments in progress.

(5) Interest on variable-rate debt is calculated using rates in effect at December 31, 2018.

Off-Balance Sheet Arrangements

We own interests in certain unconsolidated joint ventures as described in Note 8 to the Consolidated Financial Statements. Except in limited circumstances, our risk of loss is limited to our investment in the joint venture and any outstanding loans receivable. In addition, we have certain properties which serve as collateral for debt that is owed by a previous owner of certain of our facilities, as described under Note 11 to the Consolidated Financial Statements. Our risk of loss for these certain properties is limited to the outstanding debt balance plus penalties, if any. We have no other material off-balance sheet arrangements that we expect would materially affect our liquidity and capital resources except those described above under “Contractual Obligations”.

Inflation

Our leases often provide for either fixed increases in base rents or indexed escalators, based on the Consumer Price Index or other measures, and/or additional rent based on increases in the tenants’ operating revenues. Most of our MOB leases require the tenant to pay a share of property operating costs such as real estate taxes, insurance and utilities. Substantially all of our senior housing triple-net, life science, and remaining other leases require the tenant or operator to pay all of the property operating costs or reimburse us for all such costs. We believe that inflationary increases in expenses will be offset, in part, by the tenant or operator expense reimbursements and contractual rent increases described above.

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Funds From Operations and Funds Available for Distribution

The following is a reconciliation from net income (loss) applicable to common shares, the most directly comparable financial measure calculated and presented in accordance with GAAP, to NAREIT FFO, FFO as adjusted and FAD (in thousands, except per share data):

	Year Ended December 31,				
	2018	2017	2016	2015	2014
Net income (loss) applicable to common shares	\$1,058,424	\$413,013	\$626,549	\$(560,552)	\$919,796
Real estate related depreciation and amortization	549,499	534,726	572,998	510,785	459,995
Real estate related depreciation and amortization on unconsolidated joint ventures	63,967	60,058	49,043	48,188	21,303
Real estate related depreciation and amortization on noncontrolling interests and other	(11,795)	(15,069)	(21,001)	(14,506)	(8,027)
Other real estate-related depreciation and amortization	6,977	9,364	11,919	22,223	18,864
Loss (gain) on sales of real estate, net	(925,985)	(356,641)	(164,698)	(6,377)	(31,298)
Loss (gain) on sales of real estate, net on unconsolidated joint ventures	—	(1,430)	(16,332)	(15,003)	—
Loss (gain) on sales of real estate, net on noncontrolling interests	—	—	224	1,453	1,001
Loss (gain) upon consolidation of real estate, net ⁽¹⁾	(9,154)	—	—	—	—
Taxes associated with real estate dispositions ⁽²⁾	3,913	(5,498)	60,451	—	—
Impairments (recoveries) of depreciable real estate, net	44,343	22,590	—	2,948	—
NAREIT FFO applicable to common shares	780,189	661,113	1,119,153	(10,841)	1,381,634
Distributions on dilutive convertible units	—	—	8,732	—	13,799
Diluted NAREIT FFO applicable to common shares	\$780,189	\$661,113	\$1,127,885	\$(10,841)	\$1,395,433
Weighted average shares outstanding - diluted NAREIT FFO	470,719	468,935	471,566	462,795	464,845
Impact of adjustments to NAREIT FFO:					
Transaction-related items ⁽³⁾	\$11,029	\$62,576	\$96,586	\$32,932	\$(18,856)
Other impairments (recoveries) and losses (gains), net ⁽⁴⁾	7,619	92,900	—	1,446,800	35,913
Severance and related charges ⁽⁵⁾	13,906	5,000	16,965	6,713	—
Loss on debt extinguishments ⁽⁶⁾	44,162	54,227	46,020	—	—
Litigation costs (recoveries) ⁽⁷⁾	363	15,637	3,081	—	—
Casualty-related charges (recoveries), net	—	10,964	—	—	—
Foreign currency remeasurement losses (gains)	(35)	(1,043)	585	(5,437)	—
Tax rate legislation impact ⁽⁸⁾	—	17,028	—	—	—
	\$77,044	\$257,289	\$163,237	\$1,481,008	\$17,057
FFO as adjusted applicable to common shares	\$857,233	\$918,402	\$1,282,390	\$1,470,167	\$1,398,691
Distributions on dilutive convertible units and other	(198)	6,657	12,849	13,597	13,766
Diluted FFO as adjusted applicable to common shares	\$857,035	\$925,059	\$1,295,239	\$1,483,764	\$1,412,457
Weighted average shares outstanding - diluted FFO as adjusted	470,719	473,620	473,340	469,064	464,845

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FFO as adjusted applicable to common shares	\$857,233	\$918,402	\$1,282,390	\$1,470,167	\$1,398,691
Amortization of deferred compensation ⁽⁹⁾	14,714	13,510	15,581	23,233	21,885
Amortization of deferred financing costs	12,612	14,569	20,014	20,222	19,260
Straight-line rents	(23,138)	(23,933)	(27,560)	(38,415)	(43,857)
FAD capital expenditures	(106,193)	(113,471)	(88,953)	(82,072)	(74,464)
Lease restructure payments	1,195	1,470	16,604	22,657	9,425
CCRC entrance fees ⁽¹⁰⁾	17,880	21,385	21,287	27,895	11,121
Deferred income taxes ⁽¹¹⁾	(18,744)	(15,490)	(13,692)	(15,281)	(4,580)
Other FAD adjustments ⁽¹²⁾	(9,162)	(12,722)	(9,975)	(166,557)	(158,659)
FAD applicable to common shares	746,397	803,720	1,215,696	1,261,849	1,178,822
Distributions on dilutive convertible units	—	—	13,088	14,230	13,799
Diluted FAD applicable to common shares	\$746,397	\$803,720	\$1,228,784	\$1,276,079	\$1,192,621
Weighted average shares outstanding - diluted FAD	470,719	468,935	473,340	469,064	464,845

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	Year Ended December 31,				
	2018	2017	2016	2015	2014
Diluted earnings per common share	\$2.24	\$0.88	\$1.34		