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Seniors Housing Annual Review



INVESTMENT RISING, BUT ECONOMIC CHALLENGES PERSIST

Set for another record year of investment, the UK Seniors Housing market continues to draw the attention of both domestic and overseas investors.

he volume of investment and capital targeting the UK Seniors Housing market continues to grow. In the first nine months of 2022, more than £2 billion was committed to the sector, already surpassing the full year figure for 2021. Based on the pipeline of deals and projects currently under offer or on the market, we expect 2022 annual volumes could reach a record £3 billion.

Capital has come from a wide variety of sources including UK pension funds, private equity and private capital. There

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has also been an increase in the amount of North American money entering the market.

Rising investment volumes come despite rising geopolitical and economic uncertainty which include supply chain issues, a global energy crisis, high levels of inflation, and increases in build and operational costs, as well as the war in Ukraine. At the time of writing, the economic outlook remains uncertain. It has become more challenging to borrow at similar loan to value and loan

Total invested in senior Housing - YTD 2022* Total capital committed (excluding already spent)



Source: Knight Frank, RCA * Q1-Q3 2022

to cost levels, affecting funding for new developments. As investors adapt to these conditions, it may weigh on timescales for investment earmarked for Q4.

However, investors are looking beyond the short-term. The case for investing in Seniors Housing remains, not least the fact that the UK has a significant and growing undersupply of age-appropriate housing for seniors.

Strong demand fundamentals are matched by the weight of money entering the residential sector. Illustrating this,

39,U Seniors Housing units in pipeline, up from 31,000 last year

some 25% of all institutional investment in UK property so far this year was in residential, up from around 10% in 2012, and only behind offices and industrial.

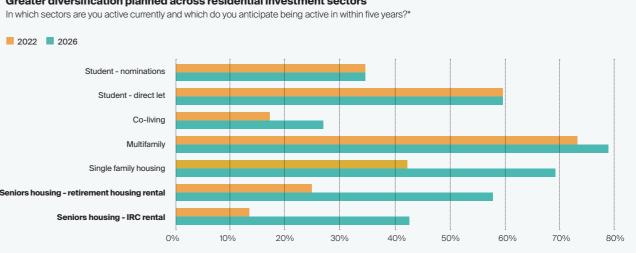
Our latest residential investment survey, which represents the views of 54 institutional investors that manage £76 billion in residential assets across the UK (including student and BTR) showed that while only 31% of respondents are

currently active in the Seniors Housing sector, 67% expect to be active in five years' time, the largest projected increase of any sector in the survey. The Seniors market in particular is benefiting from a diversification of investment strategies.

Retirement Housing optimises the development return. Integrated Retirement Communities (IRCs) provide investors with a development return and long term cashflows underpinned by a Deferred Management Fee (DMF) on exit for-sale model and inflation linked tenancies on the rental model. We expect to see yield compression for investors in the medium term driven

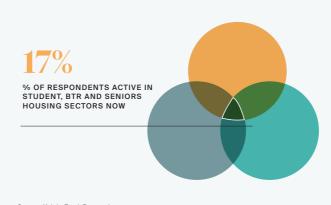
Greater diversification planned across residential investment sectors

2022 2026



Source: Knight Frank Research NB, BTR encompasses co-living, multifamily and single family housing *Knight Frank Residential Investment Survey

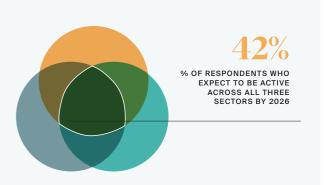
Cross sector investment*



Source: Knight Frank Research. *Knight Frank Residential Investment Survey

by increased investment, the expansion of the sector, as well as maturing operational businesses. Investors who can deliver on strong development pipelines are likely to benefit from first mover advantage in the race to scale and optimised operating performance.

Access to accurate data to assist with investment decisions and to benchmark operating performance will be crucial to supporting the forecasted growth of the sector. In this report we share the findings of our fourth - and largest -Seniors Housing Operator Survey, based on information shared with us by leading operators along with analysis of more than 36,000 Seniors Housing unit sales.



DEMAND AND SUPPLY PRESSURE

There remains a compelling investment case for assets that benefit from changing ways of living and long-term shifts in demography.

he majority of stock in the UK seniors housing market is affordable housing built pre-1980, accounting for almost 50% of total supply. The private market comprises 190,000 units largely constructed 1980's onwards. In recent years the rate of delivery of the private market has been accelerating due to increasing investment from institutions seeking long-term stable cashflows. The IRC pipeline has recently overtaken the Retirement Housing pipeline for the first time.

Build costs have risen by 16% over the last 12 months, according to data from the Build Cost Information Service, putting pressure on new delivery. Land prices have also risen steeply. Knight Frank's latest Land Index shows that the price of English greenfield sites has increased by almost 14% over the last 12 months, principally driven by a shortage of supply.

Despite this, the development pipeline continues to grow. There are over 39,000 seniors housing units planned, up from 31,000 last year. The current inflationary environment may impact how quickly some of these sites are delivered. However, over the medium term, we forecast a trend of accelerated year-on-year delivery.

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That the UK has an ageing population is not new, but the official figures reinforce the need for more dedicated housing for seniors in nearly every location.

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On the demand side, the baby boomer generation has reached retirement age. Data from the 2021 Census confirmed that nearly one in five people in England and Wales is now aged 65 or older, the highest proportion ever recorded.

In total, there were 11.1 million individuals aged 65+, up 20% from 9.2 million in 2011. The number of people aged 75+ increased by 18% over the same period. That the UK has an ageing population is not new, but the official figures reinforce the need for more dedicated housing for seniors in nearly every location. Over 95% of local authorities saw an increase in their share of population aged 65+ over the last 10 years.

Our forecasting, based on the new Census figures, indicate these increases

a 17% increase in the 65+ population between 2021 and 2031, equating to an additional 1.9 million people. The number of people aged 75+ is expected to grow by 23%. In real terms – and considering our expectation that the total number of specialist seniors housing units in the UK

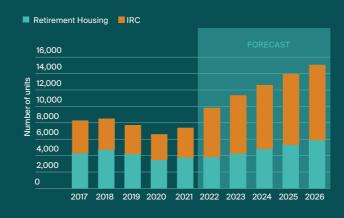
will grow by 8%, or around 63,000 units over the next five years - this would mean there would be 119 seniors housing units per 1,000 individuals aged 75 by 2026. This is down from 124 currently and from 137 back in 2012, underscoring the potential for significant growth in the sector to provide enough age-appropriate housing for the demographic shift taking place.

are only going to accelerate. We anticipate

Advances in healthcare and medicine mean seniors are now living healthier lives for longer than previous generations. In later life it is therefore not surprising they have a demand for high quality, new, purpose-built housing within a community with on-site services and access to care on offer. The UK housing stock is heavily weighted to family housing and we need to build more age appropriate housing which offers seniors good quality alternatives. This, in turn, will release family housing back into the wider market.

Another sign that baby boomers are different to the previous generation lies in the increasing numbers of rental households 65+. According to the English Housing Survey, there has been a 39% increase in the number of privately renting households in England where the household lead was aged over 65, while data from Knight Frank's London lettings business shows 7.1% of tenancies agreed so far in 2022 have been to tenants aged 70 or above, up from a five-year average of 3.5%.





Source: Knight Frank, EAC, planning portals

$\overline{}$ Further seniors population growth expected

Knight Frank forecasts using 2021 Census data for England and Wales

65+ 75+

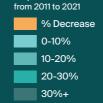


Source: Knight Frank, ONS

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Change in share of population aged 65+ % change between 2011 and 2021 by local authority

65+ Population Change Proportional increase in 65+ from 2011 to 2021



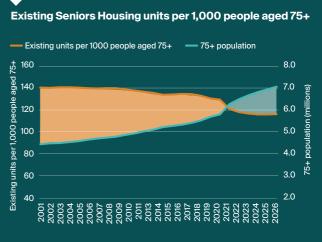
Source: ONS

UK Seniors Housing supply forecasts End 2021-2026

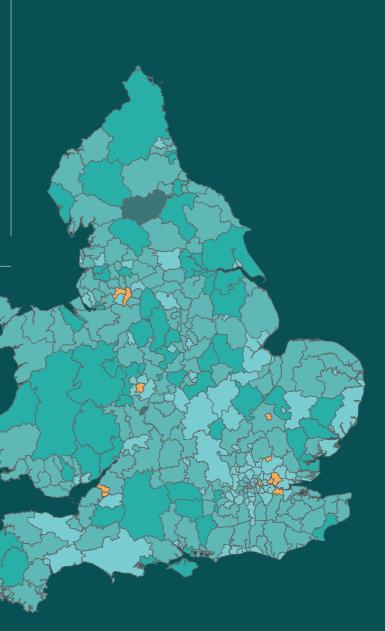
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	RETIREMENT Housing	IRC	TOTAL SENIORS HOUSING MARKET
2021	672,176	84,353	756,529
2026 (f)			

Source: Knight Frank, EAC, planning portals



Source: Knight Frank, ONS, EAC



TRANSACTIONS AND PRICING

Sales momentum is expected to pick-up further as the market continues to expand and there is a greater understanding of the product by consumers.

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Sales volumes bounced back strongly after an initial Covid-related dip and prices for new and resale stock have continued to rise on the back of supply and demand pressures.

S ales volumes for seniors housing units have broadly followed the same pattern as the wider housing market over the last few years. Having initially fallen while the housing market was temporarily shut because of Covid, demand and activity bounced back quickly, confirming the resilience of the sector.

As with the wider housing market, spikes in activity were seen in March, June, and September 2021, coinciding with key changes and end dates of the UK's stamp duty holiday, first announced in July 2021. Such a pattern suggests there is a strong appetite for more seniors to downsize (particularly when incentivised), but many feel constrained by the up-front cost of moving.

Nonetheless, sales volumes have risen noticeably over the last five-years. Analysis of these sales shows a steady increase in the average price paid and a widening of the range in prices achieved, with a growing

number of transactions of IRC stock at the upper end of the market.

Sales momentum is expected to pick-up further as the market continues to expand and there is a greater understanding of the product by consumers.

Price performance

Our Seniors Housing House Price Index (HPI), which draws on analysis of more than 36,000 seniors housing transactions which have taken place since 1995, shows that over the last five years average prices for all types of seniors housing (Retirement Housing and IRC stock) have risen by more than 14%.

Breaking this down shows stronger performance has been recorded in the IRC sector over this time. For the first time we have been able to split this in order to look at price performance of IRC units with and without DMFs, with the DMF model seeing the strongest long-term price growth of 22%over the last five years.

Performance across models has largely been in line with average house price growth for England over the last five years, though it should be noted that this is largely due to the exceptionally strong performance of the residential property market over the last 24 months.

The seniors cohort is the wealthiest in the UK in terms of property assets, with an estimated £1.5 trillion of equity. As a result, older, wealthier downsizers tend to be less constrained by mortgage debt. We expect this will lead to a period of price outperformance relative to the mainstream housing market in the medium term, given rising mortgage costs.

Encouragingly for long-term owners of stock, our data points to the average resale price of both IRC and Retirement Housing schemes also increasing.

KNIGHT FRANK SALES DATABASE

Our pricing analysis is based on a sample of over 1,000 schemes across the country developed since 1995, split between Retirement Housing and IRCs. The schemes comprise more than 10,000 individual units, which we tracked from original sales through to today. including re-sales. This provided us with data for more than 36,000 seniors housing unit sales, making our sales database one of the largest and most comprehensive in the sector to date. This analysis includes schemes from all the major private seniors housing operators, which combined have delivered almost 65% of private units in schemes of 20+ units.

IRC unit sales

Source: Knight Frank, Land Registry





Retirement Housing unit sales

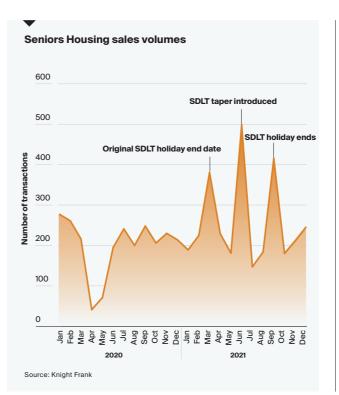




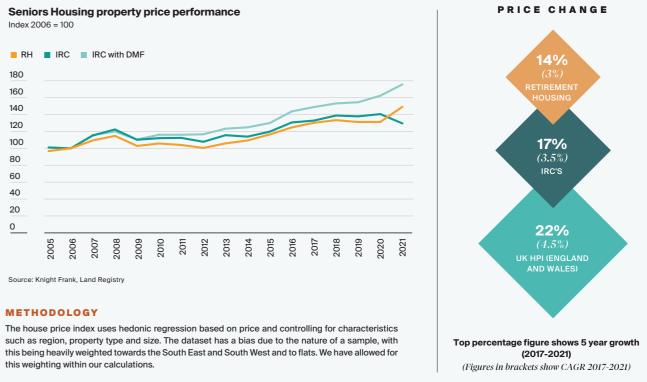
IRC with DMF unit sales



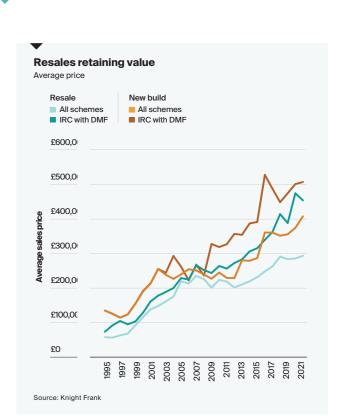
database since 1995



Seniors Housing property price performance



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PRICING IN NUMBERS

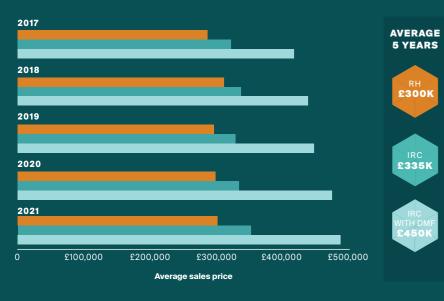
PRICING AND TRANSACTIONS

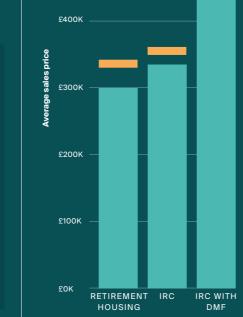
Last 5 years (2017-2021)

	RETIREMENT Housing	IRC	IRC WITH DMF
NUMBER OF SALES	14,000	3,563	2,095
GDV OF SALES	£4.2bn	£1.1bn	£1bn
AVERAGE PRICE PAID	£300,000	£335,000	£450,000
% GROWTH	14%	17%	22%
% CAGR	3%	3.5%	4.5%



■ RETIREMENT HOUSING ■ IRC ■ IRC WITH DMF





AVERAGE PRICE PAID BY

BUILT PRE-2017 BUILT POST-2017

SCHEME AGE

£600K

£500K

Last 5 years (2017-2021)

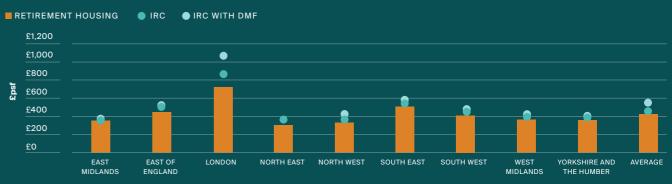
AVERAGE NEW BUILD SALES VALUES (5 YEAR BANDS)

All Seniors Housing transactions



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	K.		
3			
NORTH WEST			
£237,314 £212,367	£348,215		
WEST MIDLANDS	∣£410,687	7	
SOUTH WEST			
£307,201 £313,102	£412,553		
SOUTH EAST		5	
£338,177 £374,983	£487,186		-
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£PSF BY REGION - 2017-2021



LONDON

EAST OF ENGLAND £328,804 | £308,161 | £474,505

£498,401 | £461,021 | £1,032,932

EAST MIDLANDS £212,691 | £235,137 | £349,807

YORKSHIRE & THE HUMBER £247,806 | £232,595 | £331,687

NORTH EAST £203,225 | £231,099

ENGLAND AVERAGE **£300,000** | **£**335,000 | **£**450,000

RETIREMENT HOUSING IRC IRC WITH DMF

AVERAGE PRICE PAID BY REGION 2017-2021

MARKET DIVERGENCE

s the sector matures, we expect Α to see the emergence of a more tiered market. Current trends include a move to higher specification and larger schemes, higher price point locations (including suburban destinations), higher ESG credentials and re-investment and flexibility in design.

From an operations perspective, there is a focus on a brand recognition, staff training, marketing and sales processes and operational efficiencies. Investors are increasingly happy to take on more operating cost risk through lower service/ management charges, as well as higher DMFs and an increasing rate of DMFs rising at the start of tenancies.

The net impact of this will be the emergence of a tiered investment market. Different models already exist, with investors in retirement housing focussed on maximising development returns and IRCs on the profitability and sustainability of long term cashflows.

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The success of operating platforms in driving sales and occupancy will be key to achieving sustainable long-term returns.

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As more schemes open, performance will vary depending on the success of operators to meet the myriad of new

trends and challenges, with a lot to get right to optimise cashflows.

Our research shows that a tiering of the market can also been seen in pricing. In 2021, units in IRCs which include a DMF commanded the highest prices in the sector, at £485,000. That is 39% higher than standard IRC stock, and 60% higher than the average price for a Retirement Housing unit, largely reflecting the higher value areas where IRC's with DMF are located.

The analysis also suggests that seniors are able to free up significant capital when moving into seniors housing, with the average price of an IRC unit 30% below the average value of a house owned by seniors.



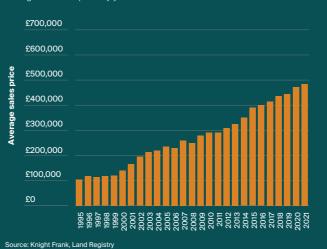
DEVELOPING ENHANCING GROWING OUR OUR OUR

Source: Rymans Healthcare Annual Report 2022

Price change: IRC with DMF

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Average achieved price by year

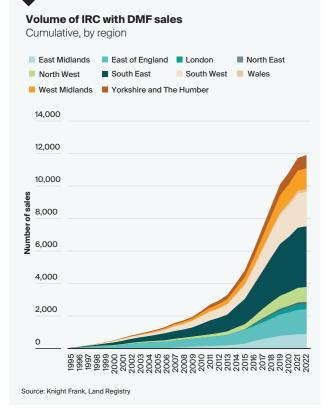




Value Creation: Rymans Healthcare

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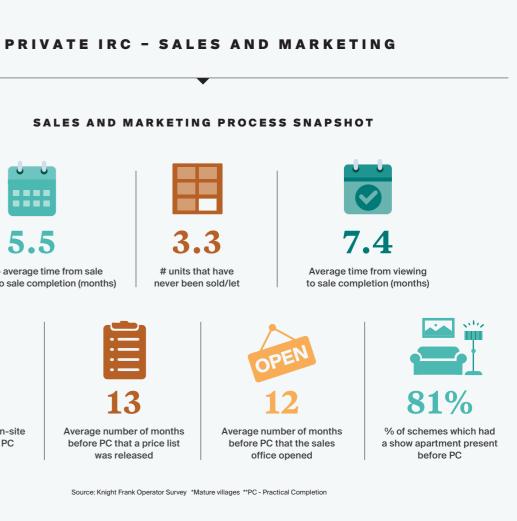






Source: Knight Frank, Land Registry

SALES RATES AND MARKETING







Resales - average time from sale instruction to sale completion (months)

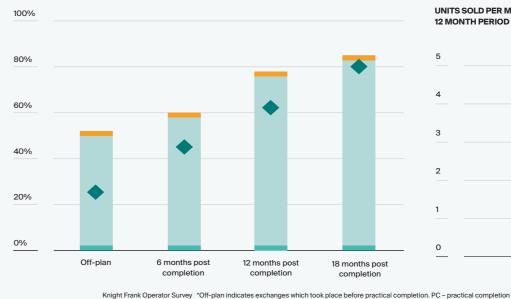


Average number of on-site sales staff (FTE) at PC



SALES RATES - NEW BUILD VILLAGES





The data from this year's survey confirms that the Seniors Housing market has successfully weathered the storm of the last few years.

Speed of resales and running voids also points to the resilience of the sector.

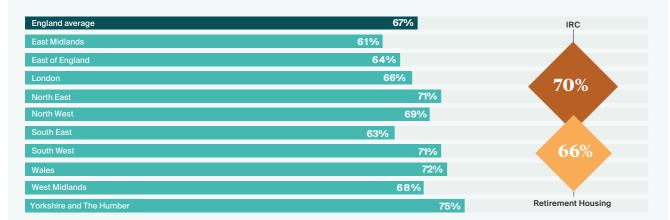
Understanding tenant profiles is crucial to helping the sector plan for the future, as well as for the sales and marketing process. According to the results of the Review, the average age of residents in IRC schemes across the UK is 82 years old.

More than half of residents moved from within 10 miles of a scheme, highlighting the fact that Seniors Housing is a local product designed and built for local people. While this can vary by operator and motivations of a resident, it highlights the need for local authorities, developers and communities to adequately plan for housing across age brackets.



V **Downsizing Margin**

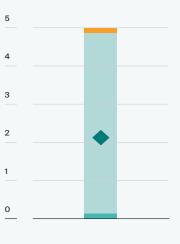
Average Seniors Housing unit price vs. average local residential house price*



Source: Knight Frank, Land Registry *Local residential house price is the average price of a house owned by seniors within the postcode district of each Seniors Housing scheme.

Average % of units exchanged off-plan* in schemes built since 2018

UNITS SOLD PER MONTH OVER 12 MONTH PERIOD (POST PC)



DIVERSIFICATION OF TENURE

A number of seniors BTR schemes have opened in last 12 months, in addition to an increased provision of mixed tenure offerings (including shared ownership and rental units alongside for-sale units in the same scheme) to meet tenant demand.

Tenure options in IRC's are widening

We have been fortunate enough to have sight of rental data for a number of key private IRC operators. This includes rental units both in BTR schemes and mixed tenure schemes.

IN THE LAST 12 MONTHS...

68% of private IRC schemes offer private rental as tenure option

> 74% of units available for rent are let

100% Asking to achieved pricing ratio



Rental is a growing part of the seniors housing market. In total, 68% of private IRC schemes offer private rental as a tenure option, either in standalone build to rent schemes, or pepper-popped within for-sale schemes. This was up from 67% in 2021. From an investor perspective, mixed tenure schemes widen the accessible market and help accelerate absorption rates, whilst also reducing voids.

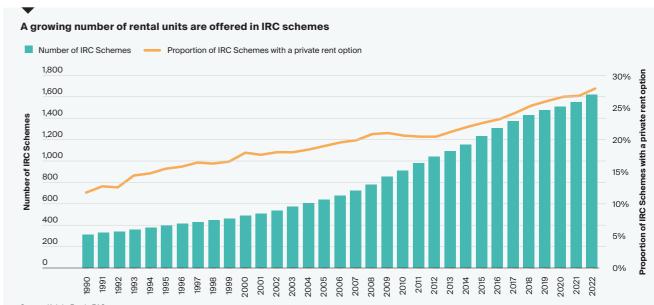
From a resident perspective, the growth of rental provides more flexibility and more

choice for seniors, sitting as a proposition between residential and residential care homes, but with the amenity and on-site service provision that is provided within a seniors housing community, as well as the option to 'dial up' care and services as required in later life.

In the more mature US market, seniors rental housing is well established, accounting for 90% of total stock and often located within 'continuing care retirement communities' that allow residents to easily



Source: Portals, operator websites Note: data correct as at September 2022



Source: Knight Frank, EAC

move into more specialised accommodation as their needs change over time.

Our rental data confirms that while seniors rental schemes are able to achieve significantly higher rents than local residential lettings, and are at a discount to private pay care home fees. While care services and meals will typically be included in care home fees, the seniors housing rental model allows residents to increase service levels when required, while retaining independence. This flexibility gives a one move solution to tenants and assists absorption.

Demand for rental is coming from a slightly older tenant (with an average age on entry of 82 versus 79 in the private for sale IRC market). We forecast the number of private rental units to increase by 114% in next five years, from more than 5,000 currently to more than 10,500 by 2025. We project investment into rental will accelerate as investors from across residential bring their learnings from PBSA and PRS. Even accounting for such rapid growth, senior housing rental stock will only account for just 1.3% of the total number of specialist senior housing options. As the number of seniors BTR schemes

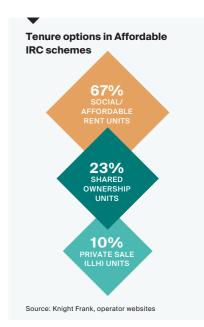
As the number of seniors BTR schemes grow, so too does the availability of data on aspects such as tenant profiles, how tenants are funding their stay, acceptable rental levels, design and Opex. We also expect to see more shared ownership being offered across the sector.

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Source: Knight Frank operator survey, Portals



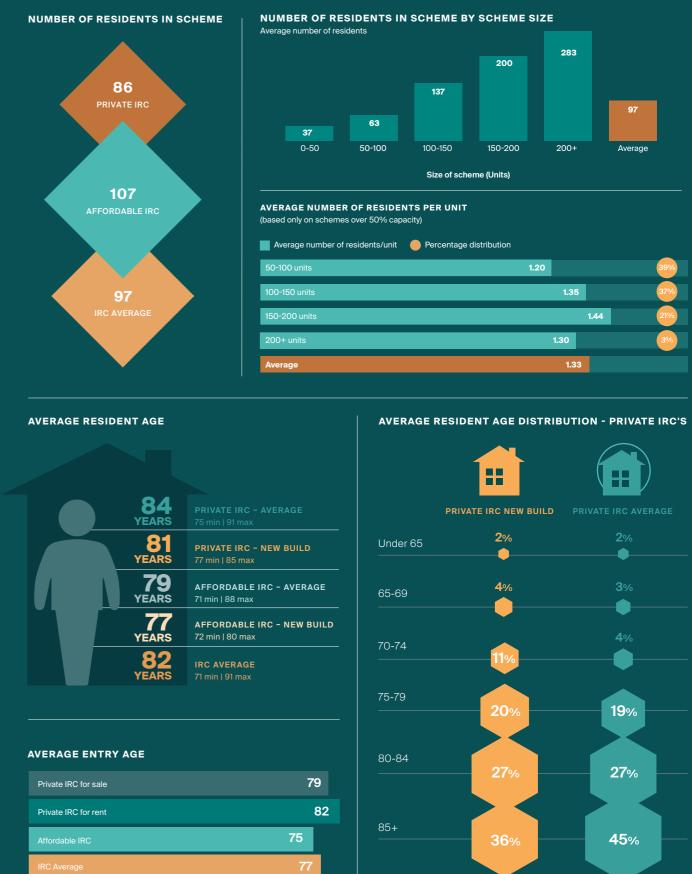


THE SURVEY IN NUMBERS

We have been fortunate enough to work with a number of leading operators in the IRC sector across both private and affordable markets. This analysis gives us a unique and detailed insight into operations, performance and resident profile.

Our largest survey to date



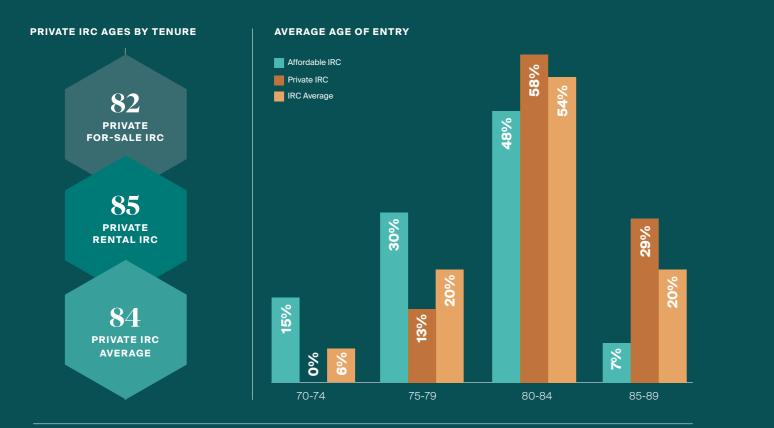


84	PRIVATE IRC - AVERAGE
YEARS	75 min 91 max
81	PRIVATE IRC - NEW BUILD
YEARS	77 min 85 max
79	AFFORDABLE IRC - AVERAGE
years	71 min 88 max
77	AFFORDABLE IRC - NEW BUILD
YEARS	72 min 80 max
82	IRC AVERAGE
YEARS	71 min 91 max
	81 YEARS 79 YEARS 77 YEARS 82

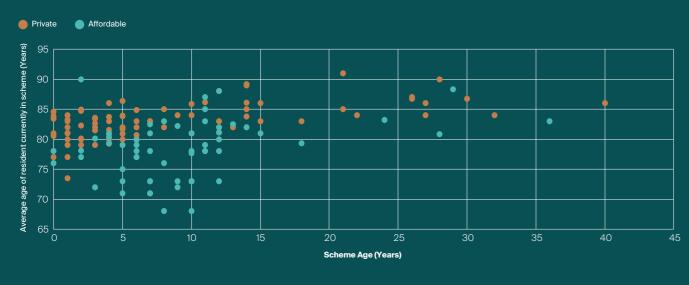
Private IRC for sale	79
Private IRC for rent	82
Affordable IRC	75
IRC Average	77

*Private IRC operators who have delivered 3 or more schemes since 2000

RESIDENTS AND OCCUPANCY



AVERAGE RESIDENT AGE VS SCHEME AGE



% OF NEW RESIDENTS BY HOUSEHOLD COMPOSITION

30%

1%

Other*

70%

Single

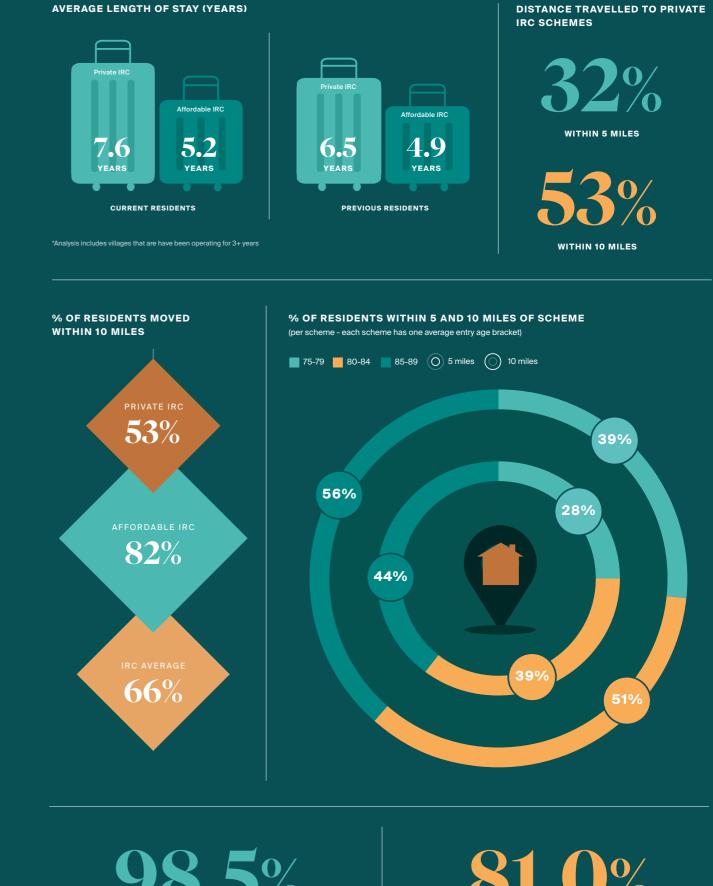
% OF SCHEME OCCUPIED BY COUPLES (IRC)



Source for all charts: Knight Frank Operator Survey

AVERAGE LENGTH OF STAY (YEARS)





% OF PRIVATE IRC RESIDENTS WHO WERE OWNER OCCUPIERS BEFORE MOVING



OPERATIONAL PERFORMANCE

Seniors housing is operational real estate with experienced teams managing a range of income streams across both DMF, rental and mixed tenure platforms.

Income

Income from IRC schemes comes from a diverse number of sources, and income streams vary across different operators, propositions and age of schemes.

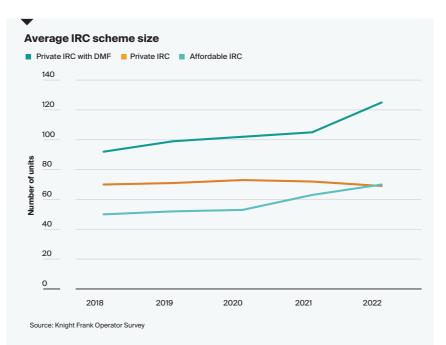
In line with last year, service or management charges account for between 57% and 64% of the total, depending on whether schemes had third party or operator-led care, though such charges can vary significantly at each scheme depending on the level of amenity and service offered.

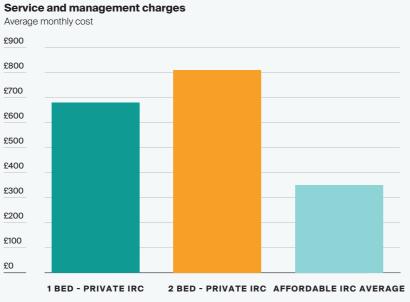
Deferred Management Fees (DMF) make up the second largest income stream of between a fifth and a quarter of total gross revenue. Note that this analysis combines both mature and newer built schemes, so this metric will vary substantially.

The remainder is made up from food and beverage (F&B) facilities -

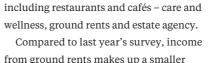
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Deferred Management Fees (DMF) make up the second largest income stream of between a fifth and a quarter of total gross revenue.





Source: Knight Frank Operator Survey, operator websites



from ground rents makes up a smaller proportion of the total. Even though retirement communities had an extension until 2023, data shows majority of operators are not charging ground rents

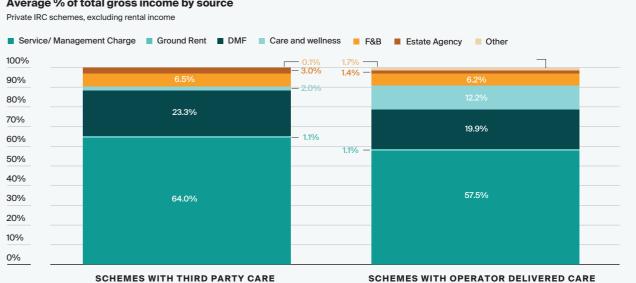
Staffing

for new developments.

As a proportion of income, staff costs represent 33% of revenue across the schemes surveyed, rising to 44% in schemes with care provided by the operator.

There is approximately one full-time staff member to every five units within a



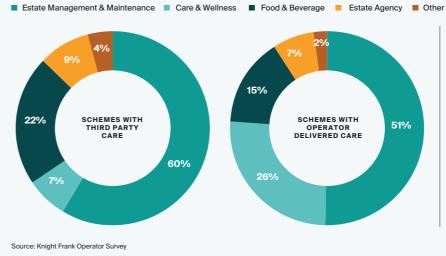


SCHEMES WITH THIRD PARTY CARE

Source: Knight Frank Operator Survey

Average % of total costs by source

Private IRC schemes, including staffing costs



private IRC scheme, though there are more staff per unit in schemes with operator delivered care.

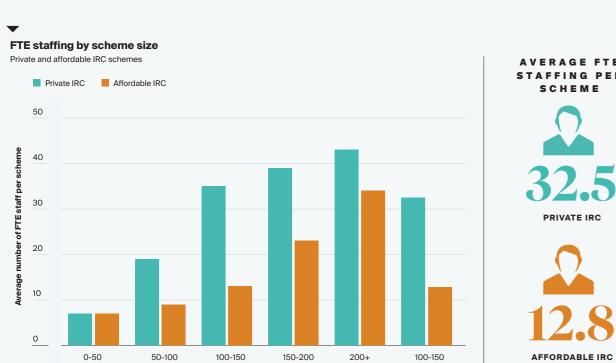
Within private schemes, most staff are employed in areas such as F&B, estate management and maintenance. Conversely, in affordable schemes, the focus for staffing is within care and wellness.

Costs

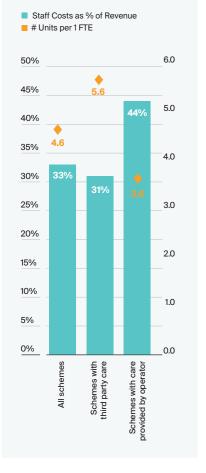
Costs in IRC schemes vary and are influenced by amenities, service and care levels, location and scale. Staffing is by far the largest outlay for operators, though costs associated with care and wellness are also significant, especially for schemes with operator-delivered care.

Estate management and maintenance costs are also notable.

22 SENIORS HOUSING ANNUAL REVIEW 2022/23

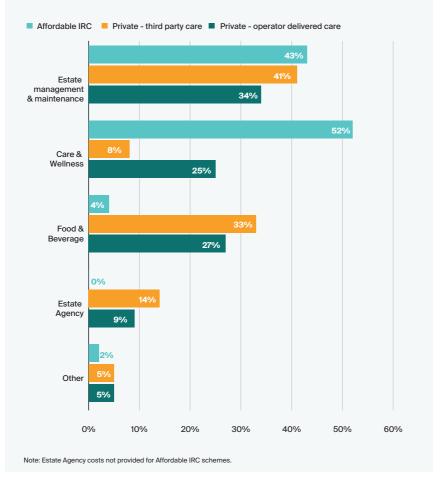


▼ FTE staffing (# units per 1 FTE, staff costs as % of revenue) Private schemes



 \mathbf{T} FTE staffing distribution (%)

% of FTE staff by area, private and affordable IRC schemes



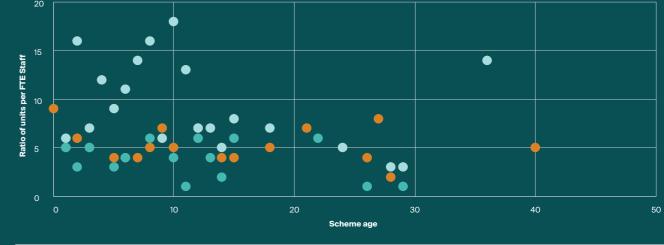


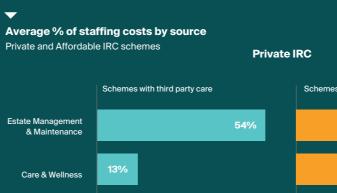
Private IRC - third party care Private IRC - care provided by operator Affordable IRC 20

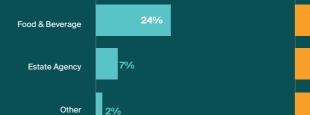
Private and affordable IRC schemes

FTE staffing by scheme age - ratio of units per FTE staff

 $\mathbf{\nabla}$





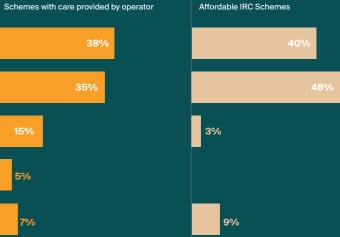


 $\mathbf{\nabla}$ FTE staffing by DMF level Number of units per 1 FTE



Sources of all charts: Knight Frank Operator Survey

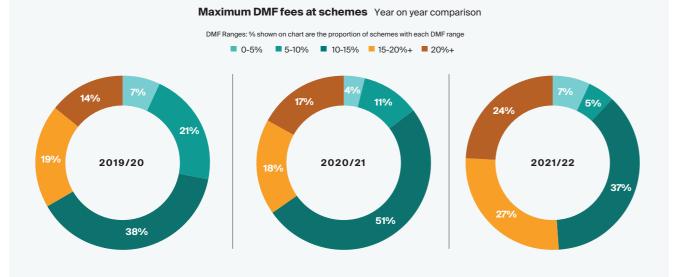
Affordable IRC



DEFERRED MANAGEMENT FEES

In Private IRC schemes

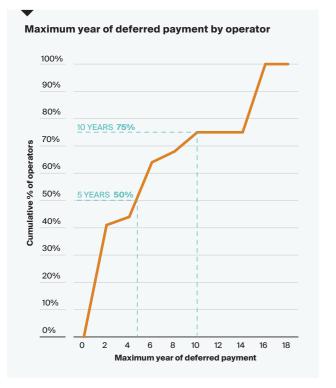
90% of the schemes from the operators surveyed collect a DMF/event fee. Of those operators which do collect, 62% offer just one option (down from 69% last year), while 38% offer two or more options.



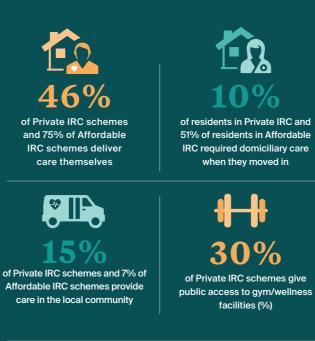
Deferred Management Fees (DMF), or event fees, are typically paid when the long leasehold is re-sold and are used to help offset upfront costs and align the interests of the operator and the resident.

DMF structures vary between operators, but our survey suggests that maximum caps are getting larger.

Source: Knight Frank Operator Survey



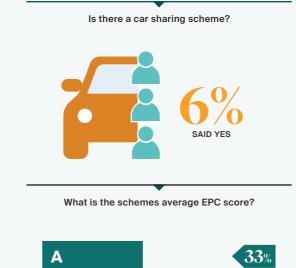


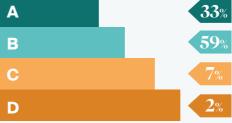


Hours of domicillary care in Private IRCs delivered per annum per scheme* *Confirmed by survey respondents



% of schemes surveyed





Source: Knight Frank Operator Survey

Sources of all charts: Knight Frank Operator Survey

CARE AND WELLNESS SNAPSHOT



of residents in Private IRC and 39% of residents in Affordable IRC currently require domiciliary care



of Private IRC schemes had at least 1 FTE wellness staff member



average number of overnight FTE staff in Affordable IRCs able to deliver care



different activities offered in Private IRC with an average of 18 classes run per week



ESG STRATEGIES IN PRIVATE IRC SCHEMES

Does the scheme have electric vehicle charging points?



Are there any other ESG policies/initiatives present or planned at the scheme? E.g. solar panelling





SAID YES. ANSWERS INCLUDED SOLAR PANELS, PV PANELS, AIR SOURCE

Knight Frank Seniors Housing

The Knight Frank Seniors Housing team offer expertise in every aspect of seniors housing investment, specialising in the disposal, acquisition and valuation of integrated retirement communities and retirement housing. Aimed at seniors housing developers, funders and operators.

We are proud of our depth of knowledge gathered from our active role in many of the key transactions and valuation mandates in the market and take a highly collaborative approach drawing on the depth of global resources in Knight Frank. We have four separate service lines covering all aspects of Seniors Housing in the UK:

Funding Land Valuations & Consultancy New Homes

Special thanks to the operators who contributed to this report.

Proud supporters of

Seniors Housing

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