

JPMORGAN CHASE & CO  
Form 424B2  
November 21, 2018

**The information in this preliminary pricing supplement is not complete and may be changed. This preliminary pricing supplement is not an offer to sell nor does it seek an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.**

**Subject to completion dated November 21, 2018**

**Pricing supplement**

*To prospectus dated April 5, 2018,  
prospectus supplement dated April 5, 2018,  
product supplement no. 3-I dated April 5, 2018 and  
underlying supplement no. 1-I dated April 5, 2018*

**Registration Statement Nos. 333-222672 and 333-222672-01**

**Dated November 21, 2018**

**Rule 424(b)(2)**

**JPMorgan Chase Financial Company LLC**

Structured Investments **\$**  
**Dual Directional Knock-Out Notes Linked to the Health Care Select Sector SPDR® Fund due November 26, 2021**

**Fully and Unconditionally Guaranteed by JPMorgan Chase & Co.**

**General**

The notes are designed for investors who seek full repayment of the principal amount of their notes at maturity and who seek a capped, unleveraged return equal to the absolute value of any appreciation (up to 26.75%) or depreciation (up to 26.75%) of the Health Care Select Sector SPDR® Fund, which we refer to as the Fund, over the term of the notes. Investors should be willing to accept receiving only the principal amount of their notes at maturity if the Fund has appreciated by more than 26.75% or depreciated by more than 26.75% over the term of the notes and be willing to forgo interest and dividend payments while seeking full repayment of the principal amount of their notes at maturity.

The notes are unsecured and unsubordinated obligations of JPMorgan Chase Financial Company LLC, which we refer to as JPMorgan Financial, the payment on which is fully and unconditionally guaranteed by JPMorgan Chase & Co. **Any payment on the notes is subject to the credit risk of JPMorgan Financial, as issuer of the notes, and the credit risk of JPMorgan Chase & Co., as guarantor of the notes.**

Minimum denominations of \$10,000 and integral multiples of \$1,000 in excess thereof

**Key Terms**

Issuer: JPMorgan Chase Financial Company LLC, an indirect, wholly owned finance subsidiary of JPMorgan Chase & Co.  
Guarantor: JPMorgan Chase & Co.  
Fund: The Health Care Select Sector SPDR® Fund (Bloomberg ticker: XLV)  
Payment at Maturity: If the Final Share Price is greater than the Upper Knock-Out Level or less than the Lower Knock-Out Level, you will receive the principal amount of your notes at maturity.

If the Final Share Price is less than or equal to the Upper Knock-Out Level but is greater than or equal to the Lower Knock-Out Level, at maturity, you will receive a cash payment, for each \$1,000 principal amount note, of \$1,000 *plus* the Additional Amount.

**You are entitled to repayment of principal in full at maturity, subject to the credit risks of JPMorgan Financial and JPMorgan Chase & Co.**

Additional Amount:	The Additional Amount, if any, payable at maturity per \$1,000 principal amount note will equal: \$1,000 × Absolute Fund Return × Participation Rate
Participation Rate:	100%
Upper Knock-Out Level:	126.75% of the Initial Share Price
Lower Knock-Out Level:	73.25% of the Initial Share Price
Absolute Fund Return:	The absolute value of the Fund Return. For example, if the Fund Return is -5%, the Absolute Fund Return will equal 5%. Similarly, if the Fund Return is 10%, the Absolute Fund Return will equal 10%.
Fund Return:	$\frac{(\text{Final Share Price} - \text{Initial Share Price})}{\text{Initial Share Price}}$
Initial Share Price:	The closing price of one share of the Fund on the Pricing Date
Final Share Price:	The arithmetic average of the closing prices of one share of the Fund on the Ending Averaging Dates
Share Adjustment Factor:	The Share Adjustment Factor is referenced in determining the closing price of one share of the Fund and is set initially at 1.0 on the Pricing Date. The Share Adjustment Factor is subject to adjustment upon the occurrence of certain events affecting the Fund. See “The Underlyings — Funds — Anti-Dilution Adjustments” in the accompanying product supplement for further information.
Pricing Date:	On or about November 21, 2018
Original Issue Date:	On or about November 27, 2018 (Settlement Date)
Ending Averaging Dates*:	November 16, 2021, November 17, 2021, November 18, 2021, November 19, 2021 and November 22, 2021
Maturity Date*:	November 26, 2021
CUSIP:	48130WEF4

Subject to postponement in the event of certain market disruption events and as described under “General Terms of \* Notes — Postponement of a Determination Date — Notes Linked to a Single Underlying — Notes Linked to a Single Underlying (Other Than a Commodity Index)” and “General Terms of Notes — Postponement of a Payment Date” in the accompanying product supplement

**Investing in the notes involves a number of risks. See “Risk Factors” beginning on page PS-8 of the accompanying product supplement, “Risk Factors” beginning on page US-1 of the accompanying underlying supplement and “Selected Risk Considerations” beginning on page PS-4 of this pricing supplement.**

Neither the Securities and Exchange Commission (the “SEC”) nor any state securities commission has approved or disapproved of the notes or passed upon the accuracy or the adequacy of this pricing supplement or the accompanying product supplement, underlying supplement, prospectus supplement and prospectus. Any representation to the contrary is a criminal offense.

	Price to Public (1)	Fees and Commissions (2)	Proceeds to Issuer
<b>Per note</b>	\$1,000	\$	\$
<b>Total</b>	\$	\$	\$

(1) See “Supplemental Use of Proceeds” in this pricing supplement for information about the components of the price to public of the notes.

J.P. Morgan Securities LLC, which we refer to as JPMS, acting as agent for JPMorgan Financial, will pay all of the selling commissions it receives from us to other affiliated or unaffiliated dealers. In no event will these selling (2) commissions exceed \$20.00 per \$1,000 principal amount note. See “Plan of Distribution (Conflicts of Interest)” in the accompanying product supplement.

**If the notes priced today, the estimated value of the notes would be approximately \$982.90 per \$1,000 principal amount note. The estimated value of the notes, when the terms of the notes are set, will be provided in the pricing supplement and will not be less than \$970.00 per \$1,000 principal amount note.** See “The Estimated Value of the Notes” in this pricing supplement for additional information.

*The notes are not bank deposits, are not insured by the Federal Deposit Insurance Corporation or any other governmental agency and are not obligations of, or guaranteed by, a bank.*

### Additional Terms Specific to the Notes

**You may revoke your offer to purchase the notes at any time prior to the time at which we accept such offer by notifying the applicable agent. We reserve the right to change the terms of, or reject any offer to purchase the notes prior to their issuance. In the event of any changes to the terms of the notes, we will notify you and you will be asked to accept such changes in connection with your purchase. You may also choose to reject such changes, in which case we may reject your offer to purchase.**

You should read this pricing supplement together with the accompanying prospectus, as supplemented by the accompanying prospectus supplement relating to our Series A medium-term notes, of which these notes are a part, and the more detailed information contained in the accompanying product supplement and the accompanying underlying supplement. **This pricing supplement, together with the documents listed below, contains the terms of the notes and supersedes all other prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, fact sheets, brochures or other educational materials of ours.** You should carefully consider, among other things, the matters set forth in the “Risk Factors” sections of the accompanying product supplement and the accompanying underlying supplement, as the notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisers before you invest in the notes.

You may access these documents on the SEC website at [www.sec.gov](http://www.sec.gov) as follows (or if such address has changed, by reviewing our filings for the relevant date on the SEC website):

Product supplement no. 3-I dated April 5, 2018:

[http://www.sec.gov/Archives/edgar/data/19617/000095010318004518/dp87527\\_424b2-ps3i.pdf](http://www.sec.gov/Archives/edgar/data/19617/000095010318004518/dp87527_424b2-ps3i.pdf)

Underlying supplement no. 1-I dated April 5, 2018:

[http://www.sec.gov/Archives/edgar/data/19617/000095010318004514/crt\\_dp87766-424b2.pdf](http://www.sec.gov/Archives/edgar/data/19617/000095010318004514/crt_dp87766-424b2.pdf)

Prospectus supplement and prospectus, each dated April 5, 2018:

[http://www.sec.gov/Archives/edgar/data/19617/000095010318004508/dp87767\\_424b2-ps.pdf](http://www.sec.gov/Archives/edgar/data/19617/000095010318004508/dp87767_424b2-ps.pdf)

Our Central Index Key, or CIK, on the SEC website is 1665650, and JPMorgan Chase & Co.’s CIK is 19617. As used in this pricing supplement, “we,” “us” and “our” refer to JPMorgan Financial.

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Dual Directional Knock-Out Notes Linked to the Health Care Select Sector SPDR® Fund

**What Is the Payment at Maturity, Assuming a Range of Performances for the Fund?**

The following table and examples illustrate the hypothetical total return at maturity or payment at maturity for each \$1,000 principal amount note. The “total return” as used in this pricing supplement is the number, expressed as a percentage, that results from comparing the payment at maturity per \$1,000 principal amount note to \$1,000. Each hypothetical total return or payment at maturity set forth below assumes an Initial Share Price of \$90, an Upper Knock-Out Level of \$114.075 and a Lower Knock-Out Level of \$65.925 (equal to 126.75% and 73.25% of the hypothetical Initial Share Price, respectively) and reflects the Participation Rate of 100%. Each hypothetical total return or payment at maturity set forth below is for illustrative purposes only and may not be the actual total return or payment at maturity applicable to a purchaser of the notes. The numbers appearing in the following table and examples have been rounded for ease of analysis.

<b>Final Share Price</b>	<b>Fund Return</b>	<b>Additional Amount</b>	<b>Principal Amount</b>	<b>Payment at Maturity</b>
\$162.000	80.00%	N/A	\$1,000.00	= \$1,000.00
\$153.000	70.00%	N/A	\$1,000.00	= \$1,000.00
\$144.000	60.00%	N/A	\$1,000.00	= \$1,000.00
\$135.000	50.00%	N/A	\$1,000.00	= \$1,000.00
\$126.000	40.00%	N/A	\$1,000.00	= \$1,000.00
\$117.000	30.00%	N/A	\$1,000.00	= \$1,000.00
\$114.084	26.76%	N/A	\$1,000.00	= \$1,000.00
\$114.075	26.75%	\$267.50	+\$1,000.00	= \$1,267.50
\$108.000	20.00%	\$200.00	+\$1,000.00	= \$1,200.00
\$99.000	10.00%	\$100.00	+\$1,000.00	= \$1,100.00
\$94.500	5.00%	\$50.00	+\$1,000.00	= \$1,050.00
\$92.250	2.50%	\$25.00	+\$1,000.00	= \$1,025.00
\$90.900	1.00%	\$10.00	+\$1,000.00	= \$1,010.00
<b>\$90.000</b>	<b>0.00%</b>	<b>\$0.00</b>	<b>+\$1,000.00</b>	<b>= \$1,000.00</b>
\$89.100	-1.00%	\$10.00	+\$1,000.00	= \$1,010.00
\$87.750	-2.50%	\$25.00	+\$1,000.00	= \$1,025.00
\$85.500	-5.00%	\$50.00	+\$1,000.00	= \$1,050.00
\$81.000	-10.00%	\$100.00	+\$1,000.00	= \$1,100.00
\$72.000	-20.00%	\$200.00	+\$1,000.00	= \$1,200.00
\$65.925	-26.75%	\$267.50	+\$1,000.00	= \$1,267.50
\$65.916	-26.76%	N/A	\$1,000.00	= \$1,000.00
\$63.000	-30.00%	N/A	\$1,000.00	= \$1,000.00
\$54.000	-40.00%	N/A	\$1,000.00	= \$1,000.00
\$45.000	-50.00%	N/A	\$1,000.00	= \$1,000.00
\$36.000	-60.00%	N/A	\$1,000.00	= \$1,000.00
\$27.000	-70.00%	N/A	\$1,000.00	= \$1,000.00
\$18.000	-80.00%	N/A	\$1,000.00	= \$1,000.00
\$9.000	-90.00%	N/A	\$1,000.00	= \$1,000.00
\$0.000	-100.00%	N/A	\$1,000.00	= \$1,000.00

**Hypothetical Examples of Amount Payable at Maturity**

The following examples illustrate how the payment at maturity in different hypothetical scenarios is calculated.

**Example 1: The price of one share of the Fund increases from the Initial Share Price of \$90 to a Final Share Price of \$92.25.** Because the Final Share Price of \$92.25 is less than or equal to the Upper Knock-Out Level of \$114.075 but is greater than or equal to the Lower Knock-Out Level of \$65.925 and the Absolute Fund Return is

2.50%, the Additional Amount is equal to \$25 and the investor receives a payment at maturity of \$1,025 per \$1,000 principal amount note, calculated as follows:

$$\$1,000 + (\$1,000 \times 2.5\% \times 100\%) = \$1,025$$

**Example 2: The price of one share of the Fund decreases from the Initial Share Price of \$90 to a Final Share Price of \$85.50.** Although the Fund Return is negative, because the Final Share Price of \$85.50 is less than or equal to the Upper Knock-Out Level of \$114.075 but is greater than or equal to the Lower Knock-Out Level of \$65.925 and the Absolute Fund Return is 5%, the Additional Amount is equal to \$50 and the investor receives a payment at maturity of \$1,050 per \$1,000 principal amount note, calculated as follows:

$$\$1,000 + (\$1,000 \times 5\% \times 100\%) = \$1,050$$

**Example 3: The price of one share of the Fund increases from the Initial Share Price of \$90 to a Final Share Price of \$135.** Because the Final Share Price of \$135 is greater than the Upper Knock-Out Level of \$114.075, even

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though the Final Share Price is greater than the Initial Share Price, the investor receives a payment at maturity of only \$1,000 per \$1,000 principal amount note.

**Example 4: The price of one share of the Fund decreases from the Initial Share Price of \$90 to a Final Share Price of \$45.** Because the Final Share Price of \$45 is less than the Lower Knock-Out Level of \$65.925, even though the Absolute Fund Return is 50%, the investor receives a payment at maturity of only \$1,000 per \$1,000 principal amount note.

The hypothetical returns and hypothetical payments on the notes shown above apply **only if you hold the notes for their entire term**. These hypotheticals do not reflect fees or expenses that would be associated with any sale in the secondary market. If these fees and expenses were included, the hypothetical returns and hypothetical payments shown above would likely be lower.

### Selected Purchase Considerations

**POTENTIAL PRESERVATION OF CAPITAL AT MATURITY** — Subject to the credit risks of JPMorgan Financial and JPMorgan Chase & Co., the payment at maturity will be at least \$1,000 per \$1,000 principal amount note if you hold the notes to maturity, regardless of the performance of the Fund. **Because the notes are unsecured and unsubordinated obligations of JPMorgan Financial and JPMorgan Chase & Co., payment of any amount on the notes is subject to our and JPMorgan Chase & Co.’s ability to pay our and JPMorgan Chase & Co.’s obligations as they become due.**

**LIMITED, CAPPED APPRECIATION POTENTIAL** — If the Final Share Price is less than or equal to the Upper Knock-Out Level of 126.75% of the Initial Share Price but is greater than or equal to the Lower Knock-Out Level of 73.25% of the Initial Share Price, at maturity, in addition to your principal amount, for each \$1,000 principal amount note, you will receive a payment equal to  $\$1,000 \times \text{the Absolute Fund Return} \times \text{the Participation Rate of } 100\%$ . However, if the Final Share Price is greater than the Upper Knock-Out Level or is less than the Lower Knock-Out Level, you will receive only the principal amount of your notes at maturity. Accordingly, the maximum payment at maturity is \$1,267.50 per \$1,000 principal amount note.

**RETURN LINKED TO THE HEALTH CARE SELECT SECTOR SPDR® FUND** — The return on the notes is linked to the Health Care Select Sector SPDR® Fund. The Health Care Select Sector SPDR® Fund is an exchange-traded fund of the Select Sector SPDR® Trust, a registered investment company, that seeks to provide investment results that, before expenses, correspond generally to the price and yield performance of publicly traded equity securities of companies in the Health Care Select Sector Index, which we refer to as the Underlying Index with respect to the Health Care Select Sector SPDR® Fund. The Health Care Select Sector Index is a modified market capitalization-based index that measures the performance of the GICS® health care sector of the S&P 500® Index. The Health Care Select Sector Index includes companies in the following industries: health care equipment & supplies; health care providers & services; health care technology; biotechnology; pharmaceuticals; and life sciences tools & services. For additional information about the Fund, see “Fund Descriptions — The Select Sector SPDR® Funds” in the accompanying underlying supplement.

**TAXED AS CONTINGENT PAYMENT DEBT INSTRUMENTS** — You should review carefully the section entitled “Material U.S. Federal Income Tax Consequences,” and in particular the subsection thereof entitled “— Tax Consequences to U.S. Holders — Notes with a Term of More than One Year — Notes Treated as Contingent Payment Debt Instruments,” in the accompanying product supplement no. 3-I. Unlike a traditional debt instrument that provides for periodic payments of interest at a single fixed rate, with respect to which a cash-method investor generally recognizes income only upon receipt of stated interest, our special tax counsel, Davis Polk & Wardwell LLP, is of the opinion that the notes will be treated for U.S. federal income tax purposes as “contingent payment debt instruments.” As discussed in that subsection, you generally will be required to accrue original issue discount (“OID”) on your notes in each taxable year at the “comparable yield,” as determined by us, although we will not make any payment with

respect to the notes until maturity. Upon sale or exchange (including at maturity), you will recognize taxable income or loss equal to the difference between the amount received from the sale or exchange and your adjusted basis in the note, which generally will equal the cost thereof, increased by the amount of OID you have accrued in respect of the note. You generally must treat any income as interest income and any loss as ordinary loss to the extent of previous interest inclusions, and the balance as capital loss. The deductibility of capital losses is subject to limitations. The discussions herein and in the accompanying product supplement do not address the consequences to taxpayers subject to special tax accounting rules under Section 451(b) of the Code. Purchasers who are not initial purchasers of notes at their issue price should consult their tax advisers with respect to the tax consequences of an investment in notes, including the treatment of the difference, if any, between the basis in their notes and the notes' adjusted issue price. Section 871(m) of the Code and Treasury regulations promulgated thereunder ("Section 871(m)") generally impose a 30% withholding tax (unless an income tax treaty applies) on dividend equivalents paid or deemed paid to Non-U.S. Holders with respect to certain financial instruments linked to U.S. equities or indices that include U.S. equities. Section 871(m) provides certain exceptions to this withholding regime, including for instruments linked to certain broad-based indices that meet requirements set forth in the applicable Treasury regulations (such as an index, a "Qualified Index"). Additionally, a recent IRS notice excludes from the scope of Section 871(m) instruments issued prior to January 1, 2021 that do not have a delta of one with respect to underlying securities that could pay U.S.-source dividends for U.S. federal income tax purposes (each an

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“Underlying Security”). Based on certain determinations made by us, we expect that Section 871(m) will not apply to the notes with regard to Non-U.S. Holders. Our determination is not binding on the IRS, and the IRS may disagree with this determination. Section 871(m) is complex and its application may depend on your particular circumstances, including whether you enter into other transactions with respect to an Underlying Security. If necessary, further information regarding the potential application of Section 871(m) will be provided in the pricing supplement for the notes. You should consult your tax adviser regarding the potential application of Section 871(m) to the notes.

Withholding under legislation commonly referred to as “FATCA” may apply to the payment on your notes at maturity, as well as to the gross proceeds of a sale or other disposition of a note prior to maturity. However, under a 2015 IRS notice, this regime will not apply to payments of gross proceeds (other than any amount treated as interest) of a sale or other disposition of the notes occurring before January 1, 2019. You should consult your tax adviser regarding the potential application of FATCA to the notes.

The discussions in the preceding paragraphs, when read in combination with the section entitled “Material U.S. Federal Income Tax Consequences” (and in particular the subsection thereof entitled “— Tax Consequences to U.S. Holders — Notes with a Term of More than One Year — Notes Treated as Contingent Payment Debt Instruments”) in the accompanying product supplement, constitute the full opinion of Davis Polk & Wardwell LLP regarding the material U.S. federal income tax consequences of owning and disposing of notes.

**COMPARABLE YIELD AND PROJECTED PAYMENT SCHEDULE** — We will determine the comparable yield for the notes and will provide that comparable yield, and the related projected payment schedule, in the pricing supplement for the notes, which we will file with the SEC. If the notes had priced on November 21, 2018 and we had determined the comparable yield on that date, it would have been an annual rate of 2.68%, compounded semiannually. The actual comparable yield that we will determine for the notes may be higher or lower than 2.68%, and will depend upon a variety of factors, including actual market conditions and our borrowing costs for debt instruments of comparable maturities. **Neither the comparable yield nor the projected payment schedule constitutes a representation by us regarding the actual Additional Amount, if any, that we will pay on the notes.**

#### **Selected Risk Considerations**

An investment in the notes involves significant risks. Investing in the notes is not equivalent to investing directly in (including a short position in) the Fund, the Underlying Index or any of the component securities of the Fund or the Underlying Index. These risks are explained in more detail in the “Risk Factors” sections of the accompanying product supplement and the accompanying underlying supplement.

**THE NOTES MAY NOT PAY MORE THAN THE PRINCIPAL AMOUNT AT MATURITY** — If the Final Share Price is greater than the Upper Knock-Out Level of 126.75% of the Initial Share Price or less than the Lower Knock-Out Level of 73.25% of the Initial Share Price, you will receive only the principal amount of your notes at maturity, and you will not be compensated for any loss in value due to inflation and other factors relating to the value of money over time.

**YOUR MAXIMUM GAIN ON THE NOTES IS LIMITED BY THE UPPER KNOCK-OUT LEVEL AND THE LOWER KNOCK-OUT LEVEL** — If the Final Share Price is less than or equal to the Upper Knock-Out Level of 126.75% of the Initial Share Price or is greater than or equal to the Lower Knock-Out Level of 73.25% of the Initial Share Price, for each \$1,000 principal amount note, you will receive at maturity \$1,000 *plus* an additional return equal to the Absolute Fund Return *times* the Participation Rate of 100%. However, you will not benefit from the Absolute Fund Return and will receive only the principal amount of your notes at maturity if the Final Share Price is greater than the Upper Knock-Out Level or less than the Lower Knock-Out Level. Accordingly, the maximum payment at maturity is \$1,267.50 per \$1,000 principal amount note.

**CREDIT RISKS OF JPMORGAN FINANCIAL AND JPMORGAN CHASE & CO.** — The notes are subject to our and JPMorgan Chase & Co.'s credit risks, and our and JPMorgan Chase & Co.'s credit ratings and credit spreads may adversely affect the market value of the notes. Investors are dependent on our and JPMorgan Chase & Co.'s ability to pay all amounts due on the notes. Any actual or potential change in our or JPMorgan Chase & Co.'s creditworthiness or credit spreads, as determined by the market for taking that credit risk, is likely to adversely affect the value of the notes. If we and JPMorgan Chase & Co. were to default on our payment obligations, you may not receive any amounts owed to you under the notes and you could lose your entire investment.

**AS A FINANCE SUBSIDIARY, JPMORGAN FINANCIAL HAS NO INDEPENDENT OPERATIONS AND HAS LIMITED ASSETS** — As a finance subsidiary of JPMorgan Chase & Co., we have no independent operations beyond the issuance and administration of our securities. Aside from the initial capital contribution from JPMorgan Chase & Co., substantially all of our assets relate to obligations of our affiliates to make payments under loans made by us or other intercompany agreements. As a result, we are dependent upon payments from our affiliates to meet our obligations under the notes. If these affiliates do not make payments to us and we fail to make payments on the notes, you may have to seek payment under the related guarantee by JPMorgan Chase & Co., and that guarantee will rank *pari passu* with all other unsecured and unsubordinated obligations of JPMorgan Chase & Co.

**POTENTIAL CONFLICTS** — We and our affiliates play a variety of roles in connection with the issuance of the notes, including acting as calculation agent and as an agent of the offering of the notes, hedging our obligations

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under the notes and making the assumptions used to determine the pricing of the notes and the estimated value of the notes when the terms of the notes are set, which we refer to as the estimated value of the notes. In performing these duties, our and JPMorgan Chase & Co.'s economic interests and the economic interests of the calculation agent and other affiliates of ours are potentially adverse to your interests as an investor in the notes. In addition, our and JPMorgan Chase & Co.'s business activities, including hedging and trading activities, could cause our and JPMorgan Chase & Co.'s economic interests to be adverse to yours and could adversely affect any payment on the notes and the value of the notes. It is possible that hedging or trading activities of ours or our affiliates in connection with the notes could result in substantial returns for us or our affiliates while the value of the notes declines. Please refer to "Risk Factors — Risks Relating to Conflicts of Interest" in the accompanying product supplement for additional information about these risks.

**THE ESTIMATED VALUE OF THE NOTES WILL BE LOWER THAN THE ORIGINAL ISSUE PRICE (PRICE TO PUBLIC) OF THE NOTES** — The estimated value of the notes is only an estimate determined by reference to several factors. The original issue price of the notes will exceed the estimated value of the notes because costs associated with selling, structuring and hedging the notes are included in the original issue price of the notes. These costs include the selling commissions, the projected profits, if any, that our affiliates expect to realize for assuming risks inherent in hedging our obligations under the notes and the estimated cost of hedging our obligations under the notes. See "The Estimated Value of the Notes" in this pricing supplement.

**THE ESTIMATED VALUE OF THE NOTES DOES NOT REPRESENT FUTURE VALUES OF THE NOTES AND MAY DIFFER FROM OTHERS' ESTIMATES** — The estimated value of the notes is determined by reference to internal pricing models of our affiliates when the terms of the notes are set. This estimated value of the notes is based on market conditions and other relevant factors existing at that time and assumptions about market parameters, which can include volatility, dividend rates, interest rates and other factors. Different pricing models and assumptions could provide valuations for the notes that are greater than or less than the estimated value of the notes. In addition, market conditions and other relevant factors in the future may change, and any assumptions may prove to be incorrect. On future dates, the value of the notes could change significantly based on, among other things, changes in market conditions, our or JPMorgan Chase & Co.'s creditworthiness, interest rate movements and other relevant factors, which may impact the price, if any, at which JPMS would be willing to buy notes from you in secondary market transactions. See "The Estimated Value of the Notes" in this pricing supplement.

**THE ESTIMATED VALUE OF THE NOTES IS DERIVED BY REFERENCE TO AN INTERNAL FUNDING RATE** — The internal funding rate used in the determination of the estimated value of the notes is based on, among other things, our and our affiliates' view of the funding value of the notes as well as the higher issuance, operational and ongoing liability management costs of the notes in comparison to those costs for the conventional fixed-rate debt of JPMorgan Chase & Co. The use of an internal funding rate and any potential changes to that rate may have an adverse effect on the terms of the notes and any secondary market prices of the notes. See "The Estimated Value of the Notes" in this pricing supplement.

**THE VALUE OF THE NOTES AS PUBLISHED BY JPMS (AND WHICH MAY BE REFLECTED ON CUSTOMER ACCOUNT STATEMENTS) MAY BE HIGHER THAN THE THEN-CURRENT ESTIMATED VALUE OF THE NOTES FOR A LIMITED TIME PERIOD** — We generally expect that some of the costs included in the original issue price of the notes will be partially paid back to you in connection with any repurchases of your notes by JPMS in an amount that will decline to zero over an initial predetermined period. These costs can include projected hedging profits, if any, and, in some circumstances, estimated hedging costs and our internal secondary market funding rates for structured debt issuances. See "Secondary Market Prices of the Notes" in this pricing supplement for additional information relating to this initial period. Accordingly, the estimated value of your notes during this initial period may be lower than the value of the notes as published by JPMS (and which may be shown on your customer account statements).

**SECONDARY MARKET PRICES OF THE NOTES WILL LIKELY BE LOWER THAN THE ORIGINAL ISSUE PRICE OF THE NOTES** — Any secondary market prices of the notes will likely be lower than the original issue price of the notes because, among other things, secondary market prices take into account our internal

secondary market funding rates for structured debt issuances and, also, because secondary market prices (a) exclude selling commissions and (b) may exclude projected hedging profits, if any, and estimated hedging costs that are included in the original issue price of the notes. As a result, the price, if any, at which JPMS will be willing to buy notes from you in secondary market transactions, if at all, is likely to be lower than the original issue price. Any sale by you prior to the Maturity Date could result in a substantial loss to you. See the immediately following risk consideration for information about additional factors that will impact any secondary market prices of the notes. The notes are not designed to be short-term trading instruments. Accordingly, you should be able and willing to hold your notes to maturity. See “— Lack of Liquidity” below.

**SECONDARY MARKET PRICES OF THE NOTES WILL BE IMPACTED BY MANY ECONOMIC AND MARKET FACTORS** — The secondary market price of the notes during their term will be impacted by a number of economic and market factors, which may either offset or magnify each other, aside from the selling commissions, projected hedging profits, if any, estimated hedging costs and the price of one share of the Fund, including:

- any actual or potential change in our or JPMorgan Chase & Co.’s creditworthiness or credit spreads;

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customary bid-ask spreads for similarly sized trades;  
our internal secondary market funding rates for structured debt issuances;  
the actual and expected volatility of the Fund;  
the time to maturity of the notes;  
the dividend rates on the Fund and the equity securities held by the Fund;  
interest and yield rates in the market generally;  
the occurrence of certain events relating to the Fund that may or may not require an adjustment to the Share Adjustment Factor; and

a variety of other economic, financial, political, regulatory and judicial events.

Additionally, independent pricing vendors and/or third party broker-dealers may publish a price for the notes, which may also be reflected on customer account statements. This price may be different (higher or lower) than the price of the notes, if any, at which JPMS may be willing to purchase your notes in the secondary market.

**NO INTEREST OR DIVIDEND PAYMENTS OR VOTING RIGHTS** — As a holder of the notes, you will not receive interest payments, and you will not have voting rights or rights to receive cash dividends or other distributions or other rights that holders of shares of the Fund or securities held by the Fund or included in the Underlying Index would have.

**THERE ARE RISKS ASSOCIATED WITH THE FUND** — Although the shares of the Fund are listed for trading on a securities exchange and a number of similar products have been traded on securities exchanges for varying periods of time, there is no assurance that an active trading market will continue for the shares of the Fund or that there will be liquidity in the trading market. The Fund is subject to management risk, which is the risk that the investment strategies of the Fund's investment adviser, the implementation of which is subject to a number of constraints, may not produce the intended results. These constraints could adversely affect the market price of the shares of the Fund, and consequently, the value of the notes.

**THE PERFORMANCE AND MARKET VALUE OF THE FUND, PARTICULARLY DURING PERIODS OF MARKET VOLATILITY, MAY NOT CORRELATE WITH THE PERFORMANCE OF THE FUND'S UNDERLYING INDEX AS WELL AS THE NET ASSET VALUE PER SHARE** — The Fund does not fully replicate its Underlying Index and may hold securities different from those included in its Underlying Index. In addition, the performance of the Fund will reflect additional transaction costs and fees that are not included in the calculation of its Underlying Index. All of these factors may lead to a lack of correlation between the performance of the Fund and its Underlying Index. In addition, corporate actions with respect to the equity securities underlying the Fund (such as mergers and spin-offs) may impact the variance between the performances of the Fund and its Underlying Index. Finally, because the shares of the Fund are traded on a securities exchange and are subject to market supply and investor demand, the market value of one share of the Fund may differ from the net asset value per share of the Fund.

During periods of market volatility, securities underlying the Fund may be unavailable in the secondary market, market participants may be unable to calculate accurately the net asset value per share of the Fund and the liquidity of the Fund may be adversely affected. This kind of market volatility may also disrupt the ability of market participants to create and redeem shares of the Fund. Further, market volatility may adversely affect, sometimes materially, the prices at which market participants are willing to buy and sell shares of the Fund. As a result, under these circumstances, the market value of shares of the Fund may vary substantially from the net asset value per share of the Fund. For all of the foregoing reasons, the performance of the Fund may not correlate with the performance of its Underlying Index as well as the net asset value per share of the Fund, which could materially and adversely affect the value of the notes in the secondary market and/or reduce any payment on the notes.

**RISKS ASSOCIATED WITH THE HEALTH CARE SECTOR** — All or substantially all of the equity securities held by the Fund are issued by companies whose primary line of business is directly associated with the health care sector. As a result, the value of the notes may be subject to greater volatility and be more adversely affected by a

single economic, political or regulatory occurrence affecting this sector than a different investment linked to securities of a more broadly diversified group of issuers. Companies in the health care sector are subject to extensive government regulation and their profitability can be significantly affected by restrictions on government reimbursement for medical expenses, rising costs of medical products and services, pricing pressure (including price discounting), limited product lines and an increased emphasis on the delivery of healthcare through outpatient services. Companies in the health care sector are heavily dependent on obtaining and defending patents, which may be time consuming and costly, and the expiration of patents may also adversely affect the profitability of these companies. Health care companies are also subject to extensive litigation based on product liability and similar claims. In addition, their products can become obsolete due to industry innovation, changes in technologies or other market developments. Many new products in the health care sector require significant research and development and may be subject to regulatory approvals, all of which may be time consuming and costly with no guarantee that any product will come to market. These factors could affect the health care sector and could affect the value of the equity securities held by the Fund and the price of the Fund during the term of the notes, which may adversely affect the value of your notes.

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**THE ANTI-DILUTION PROTECTION FOR THE FUND IS LIMITED** — The calculation agent will make adjustments to the Share Adjustment Factor for certain events affecting the shares of the Fund. However, the calculation agent will not make an adjustment in response to all events that could affect the shares of the Fund. If an event occurs that does not require the calculation agent to make an adjustment, the value of the notes may be materially and adversely affected.

**LACK OF LIQUIDITY** — The notes will not be listed on any securities exchange. JPMS intends to offer to purchase the notes in the secondary market but is not required to do so. Even if there is a secondary market, it may not provide enough liquidity to allow you to trade or sell the notes easily. Because other dealers are not likely to make a secondary market for the notes, the price at which you may be able to trade your notes is likely to depend on the price, if any, at which JPMS is willing to buy the notes.

**THE FINAL TERMS AND VALUATION OF THE NOTES WILL BE PROVIDED IN THE PRICING SUPPLEMENT** — The final terms of the notes will be based on relevant market conditions when the terms of the notes are set and will be provided in the pricing supplement. In particular, the estimated value of the notes will be provided in the pricing supplement and may be as low as the minimum for the estimated value of the notes set forth on the cover of this pricing supplement. Accordingly, you should consider your potential investment in the notes based on the minimum for the estimated value of the notes.

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## Historical Information

The following graph sets forth the historical performance of the Fund based on the weekly historical closing prices of one share of the Fund from January 4, 2013 through November 16, 2018. The closing price of one share of the Fund on November 20, 2018 was \$90.02.

We obtained the closing prices of one share of the Fund above and below from the Bloomberg Professional<sup>®</sup> service (“Bloomberg”), without independent verification. The closing prices above and below may have been adjusted by Bloomberg for actions taken by the Fund, such as stock splits. The historical prices of one share of the Fund should not be taken as an indication of future performance, and no assurance can be given as to the closing price of one share of the Fund on the Pricing Date or any Ending Averaging Date. There can be no assurance that the performance of the Fund will result in the return of any of your principal amount.

## The Estimated Value of the Notes

The estimated value of the notes set forth on the cover of this pricing supplement is equal to the sum of the values of the following hypothetical components: (1) a fixed-income debt component with the same maturity as the notes, valued using the internal funding rate described below, and (2) the derivative or derivatives underlying the economic terms of the notes. The estimated value of the notes does not represent a minimum price at which JPMS would be willing to buy your notes in any secondary market (if any exists) at any time. The internal funding rate used in the determination of the estimated value of the notes is based on, among other things, our and our affiliates’ view of the funding value of the notes as well as the higher issuance, operational and ongoing liability management costs of the notes in comparison to those costs for the conventional fixed-rate debt of JPMorgan Chase & Co. For additional information, see “Selected Risk Considerations — The Estimated Value of the Notes Is Derived by Reference to an Internal Funding Rate” in this pricing supplement. The value of the derivative or derivatives underlying the economic terms of the notes is derived from internal pricing models of our affiliates. These models are dependent on inputs such as the traded market prices of comparable derivative instruments and on various other inputs, some of which are market-observable, and which can include volatility, dividend rates, interest rates and other factors, as well as assumptions about future market events and/or environments. Accordingly, the estimated value of the notes is determined when the terms of the notes are set based on market conditions and other relevant factors and assumptions existing at that time. See “Selected Risk Considerations — The Estimated Value of the Notes Does Not Represent Future Values of the Notes and May Differ from Others’ Estimates” in this pricing supplement.

The estimated value of the notes will be lower than the original issue price of the notes because costs associated with selling, structuring and hedging the notes are included in the original issue price of the notes. These costs include the selling commissions paid to JPMS and other affiliated or unaffiliated dealers, the projected profits, if any, that our affiliates expect to realize for assuming risks inherent in hedging our obligations under the notes and the estimated cost of hedging our obligations under the notes. Because hedging our obligations entails risk and may be influenced by market forces beyond our control, this hedging may result in a profit that is more or less than expected, or it may result in a loss. We or one or more of our affiliates will retain any profits realized in hedging our obligations under the notes. See “Selected Risk Considerations — The Estimated Value of the Notes Will Be Lower Than the Original Issue Price (Price to Public) of the Notes” in this pricing supplement.



### **Secondary Market Prices of the Notes**

For information about factors that will impact any secondary market prices of the notes, see “Selected Risk Considerations — Secondary Market Prices of the Notes Will Be Impacted by Many Economic and Market Factors” in this pricing supplement. In addition, we generally expect that some of the costs included in the original issue price of the notes will be partially paid back to you in connection with any repurchases of your notes by JPMS in an amount that will decline to zero over an initial predetermined period that is intended to be the shorter of six months and one-half of the stated term of the notes. The length of any such initial period reflects the structure of the notes, whether our affiliates expect to earn a profit in connection with our hedging activities, the estimated costs of hedging the notes and when these costs are incurred, as determined by our affiliates. See “Selected Risk Considerations — The Value of the Notes as Published by JPMS (and Which May Be Reflected on Customer Account Statements) May Be Higher Than the Then-Current Estimated Value of the Notes for a Limited Time Period.”

### **Supplemental Use of Proceeds**

The notes are offered to meet investor demand for products that reflect the risk-return profile and market exposure provided by the notes. See “What Is the Payment at Maturity, Assuming a Range of Performances for the Fund?” and “Hypothetical Examples of Amount Payable at Maturity” in this pricing supplement for an illustration of the risk-return profile of the notes and “Selected Purchase Considerations — Return Linked to the Health Care Select Sector SPDR Fund” in this pricing supplement for a description of the market exposure provided by the notes.

The original issue price of the notes is equal to the estimated value of the notes plus the selling commissions paid to JPMS and other affiliated or unaffiliated dealers, plus (minus) the projected profits (losses) that our affiliates expect to realize for assuming risks inherent in hedging our obligations under the notes, plus the estimated cost of hedging our obligations under the notes.

### **Supplemental Plan of Distribution**

We expect that delivery of the notes will be made against payment for the notes on or about the Original Issue Date set forth on the front cover of this pricing supplement, which will be the third business day following the Pricing Date of the notes (this settlement cycle being referred to as “T+3”). Under Rule 15c6-1 of the Securities Exchange Act of 1934, as amended, trades in the secondary market generally are required to settle in two business days, unless the parties to that trade expressly agree otherwise. Accordingly, purchasers who wish to trade notes on any date prior to two business days before delivery will be required to specify an alternate settlement cycle at the time of any such trade to prevent a failed settlement and should consult their own advisors.