

DATA REPORT

4 November 2021

CLIENT SERVICES

Americas 1-212-553-1653
Asia Pacific 852-3551-3077
Japan 81-3-5408-4100
EMEA 44-20-7772-5454

Cross-Sector

Market Data Highlights

The latest market data from Weekly Market Outlook. Click <u>here</u> for access to the full WMO.

SPREADS

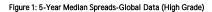




Figure 2: 5-Year Median Spreads-Global Data (High Yield)



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CDS MOVERS

Figure 3. CDS Movers - US (October 27, 2021 – November 3, 2021)

| CDS Implied Rating Rises | CDS Impli | ied Ratings | _ |
|---------------------------------|-----------|-------------|----------------|
| Issuer | Nov. 3 | Oct. 27 | Senior Ratings |
| Alliant Energy Corporation | A1 | A3 | Baa2 |
| Verizon Communications Inc. | Baa1 | Baa2 | Baa1 |
| Comcast Corporation | A3 | Baa1 | А3 |
| Oracle Corporation | Aa3 | A1 | Baa2 |
| Exxon Mobil Corporation | Aa2 | Aa3 | Aa2 |
| Amazon.com, Inc. | A1 | A2 | A1 |
| Walmart Inc. | Aa1 | Aa2 | Aa2 |
| Coca-Cola Company (The) | Aa2 | Aa3 | A1 |
| Ford Motor Company | Ba2 | Ba3 | Ba2 |
| Walt Disney Company (The) (Old) | Aa1 | Aa2 | A2 |

| CDS Implied Rating Declines | CDS Impli | led Ratings | _ |
|---------------------------------------|-----------|-------------|----------------|
| Issuer | Nov. 3 | Oct. 27 | Senior Ratings |
| Martin Marietta Materials, Inc. | Baa1 | A2 | Baa2 |
| Ally Financial Inc. | Ba1 | Baa3 | Baa3 |
| NextEra Energy Capital Holdings, Inc. | A3 | A2 | Baa1 |
| Sysco Corporation | Baa2 | Baa1 | Baa1 |
| Emerson Electric Company | A2 | A1 | A2 |
| ConocoPhillips | A2 | A1 | A3 |
| Newmont Corporation | Baa1 | A3 | Baa1 |
| Molson Coors Beverage Company | Baa3 | Baa2 | Baa3 |
| BorgWarner Inc. | Baa3 | Baa2 | Baa1 |
| Packaging Corporation of America | A3 | A2 | Baa2 |

| CDS Spread Increases | _ | | CDS Spreads | |
|--------------------------------------------|----------------|--------|-------------|-------------|
| Issuer | Senior Ratings | Nov. 3 | Oct. 27 | Spread Diff |
| Nabors Industries, Inc. | Caa2 | 637 | 520 | 117 |
| R.R. Donnelley & Sons Company | В3 | 342 | 306 | 36 |
| Realogy Group LLC | B2 | 322 | 301 | 21 |
| DPL Inc. | Ba1 | 162 | 143 | 19 |
| The Terminix Company, LLC | B1 | 203 | 185 | 18 |
| Murphy Oil Corporation | Ba3 | 343 | 327 | 16 |
| K. Hovnanian Enterprises, Inc. | Caa3 | 859 | 843 | 16 |
| Service Properties Trust | Ba2 | 216 | 202 | 14 |
| Iron Mountain Incorporated | Ba3 | 169 | 157 | 12 |
| Laboratory Corporation of America Holdings | Baa2 | 80 | 68 | 12 |

| CDS Spread Decreases | _ | | CDS Spreads | |
|---------------------------------|----------------|--------|-------------|-------------|
| Issuer | Senior Ratings | Nov. 3 | Oct. 27 | Spread Diff |
| Talen Energy Supply, LLC | Caa1 | 1,876 | 2,165 | -289 |
| United States Steel Corporation | B3 | 338 | 366 | -28 |
| American Airlines Group Inc. | Caa1 | 671 | 700 | -28 |
| Rite Aid Corporation | Caa2 | 889 | 915 | -26 |
| Ford Motor Company | Ba2 | 174 | 196 | -22 |
| Avis Budget Car Rental, LLC | B3 | 202 | 224 | -22 |
| Olin Corporation | Ba2 | 151 | 172 | -21 |
| Pitney Bowes Inc. | B1 | 466 | 487 | -21 |
| Nordstrom, Inc. | Ba1 | 244 | 264 | -20 |
| Newell Brands Inc. | Ba1 | 111 | 127 | -17 |

Source: Moody's, CMA

4 November 2021 Cross-Sector: Market Data Highlights

Figure 4. CDS Movers - Europe (October 27, 2021 – November 3, 2021)

| CDS Implied Rating Rises | CDS Impli | led Ratings | _ |
|-----------------------------------------------|-----------|-------------|----------------|
| Issuer | Nov. 3 | Oct. 27 | Senior Ratings |
| Ineos Group Holdings S.A. | Ba1 | Ba3 | B2 |
| Natixis | Aa3 | A1 | A1 |
| Credit Agricole Corporate and Investment Bank | Aa2 | Aa3 | Aa3 |
| Lloyds Bank plc | Aa2 | Aa3 | A1 |
| DZ BANK AG | Aa1 | Aa2 | Aa2 |
| Bayerische Landesbank | Aa2 | Aa3 | Aa3 |
| Piraeus Financial Holdings S.A. | Caa1 | Caa2 | Caa2 |
| KBC Bank N.V. | Aa3 | A1 | A1 |
| Tesco Plc | Baa2 | Baa3 | Baa3 |
| Merck KGaA | Aaa | Aa1 | A3 |

| CDS Implied Rating Declines | CDS Impl | ied Ratings | _ |
|--------------------------------------------|----------|-------------|----------------|
| Issuer | Nov. 3 | Oct. 27 | Senior Ratings |
| CaixaBank, S.A. | Baa1 | А3 | Baa1 |
| HSBC Holdings plc | Baa1 | A3 | A3 |
| Nationwide Building Society | A3 | A2 | A1 |
| Landesbank Hessen-Thueringen GZ | A1 | Aa3 | Aa3 |
| Norddeutsche Landesbank GZ | Baa3 | Baa2 | A3 |
| de Volksbank N.V. | A3 | A2 | A2 |
| Autoroutes du Sud de la France (ASF) | A2 | A1 | А3 |
| National Grid Electricity Transmission plc | A2 | A1 | Baa1 |
| HSBC Bank plc | A1 | Aa3 | A1 |
| RWE AG | A2 | A1 | Baa2 |

| CDS Spread Increases | | CDS Spreads | | |
|---------------------------------|----------------|-------------|---------|-------------|
| Issuer | Senior Ratings | Nov. 3 | Oct. 27 | Spread Diff |
| Vedanta Resources Limited | В3 | 724 | 681 | 43 |
| Boparan Finance plc | Caa1 | 1,223 | 1,186 | 37 |
| Novafives S.A.S. | Caa2 | 738 | 703 | 35 |
| 「elecom Italia S.p.A. | Ba2 | 183 | 166 | 18 |
| Novo Banco, S.A. | Caa2 | 189 | 174 | 16 |
| Banco Comercial Portugues, S.A. | Ba1 | 180 | 165 | 15 |
| Casino Guichard-Perrachon SA | Caa1 | 660 | 647 | 13 |
| Rexel SA | Ba3 | 148 | 134 | 13 |
| Wienerberger AG | Ba1 | 104 | 93 | 12 |
| Greece, Government of | Ba3 | 81 | 71 | 10 |

| CDS Spread Decreases | | CDS Spreads | | | |
|---------------------------------------|----------------|-------------|---------|-------------|--|
| Issuer | Senior Ratings | Nov. 3 | Oct. 27 | Spread Diff | |
| Ineos Group Holdings S.A. | B2 | 124 | 198 | -74 | |
| Alpha Services and Holdings S.A. | Caa1 | 314 | 343 | -29 | |
| Iceland Bondco plc | Caa2 | 560 | 590 | -29 | |
| Deutsche Lufthansa Aktiengesellschaft | Ba2 | 212 | 233 | -20 | |
| Jaguar Land Rover Automotive Plc | B1 | 359 | 374 | -15 | |
| FCE Bank plc | Baa3 | 127 | 139 | -12 | |
| Atlantia S.p.A. | Ba3 | 99 | 103 | -4 | |
| ASML Holding N.V. | A2 | 39 | 43 | -4 | |
| Coca-Cola HBC Finance B.V. | Baa1 | 46 | 50 | -4 | |
| Banque Federative du Credit Mutuel | Aa3 | 27 | 30 | -3 | |

ISSUANCE

Figure 5. Market Cumulative Issuance - Corporate & Financial Institutions: USD Denominated

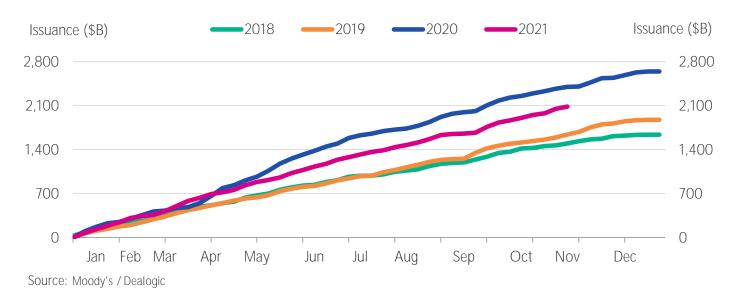
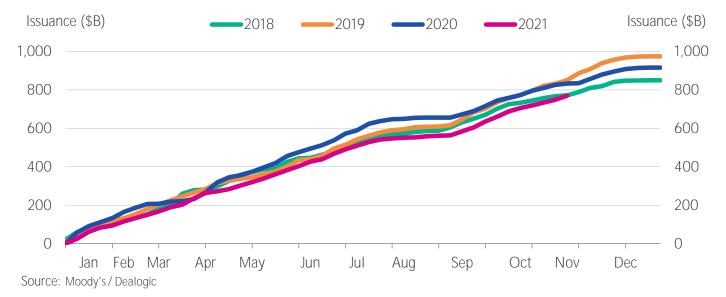


Figure 6. Market Cumulative Issuance - Corporate & Financial Institutions: Euro Denominated



4 November 2021 Cross-Sector: Market Data Highlights

Figure 7. Issuance: Corporate & Financial Institutions

| | | USD Denominated | |
|--------------|------------------|-----------------|---------------|
| | Investment-Grade | High-Yield | Total* |
| | Amount \$B | Amount \$B | Amount \$B |
| Weekly | 27.401 | 7.100 | 35.421 |
| Year-to-Date | 1,455.242 | 566.692 | 2,086.836 |

| | | Euro Denominated | | | | |
|--------------|------------------|------------------|---------------|--|--|--|
| | Investment-Grade | High-Yield | Total* | | | |
| | Amount \$B | Amount \$B | Amount \$B | | | |
| Weekly | 18.497 | 2.148 | 20.645 | | | |
| Year-to-Date | 609.975 | 139.243 | 769.391 | | | |

^{*} Difference represents issuance with pending ratings.

Source: Moody's/ Dealogic

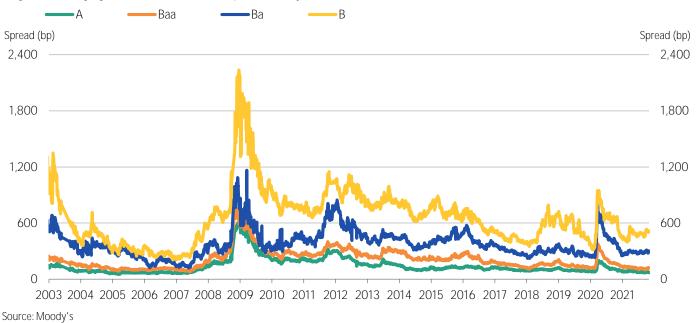
EMERGING MARKET CREDIT SPREADS

Figure 8. Emerging Market Median OAS

| Emerging Market | | Median | Spreads | | | Bond (| Counts | |
|---------------------------|-----|--------|---------|-----|-----|--------|--------|----|
| Duration | Α | Baa | Ba | В | Α | Baa | Ba | В |
| >=1 and <3 | 63 | 97 | 257 | 417 | 71 | 162 | 48 | 41 |
| >=3 and <5 | 68 | 123 | 302 | 509 | 83 | 124 | 51 | 49 |
| >=5 and <7 | 69 | 144 | 314 | 556 | 43 | 93 | 33 | 24 |
| >=7 | 107 | 210 | 420 | 591 | 129 | 252 | 56 | 32 |
| Emerging Market Sovereign | | Median | Spreads | | | Bond (| Counts | |
| Duration | Α | Baa | Ba | В | Α | Baa | Ba | В |
| >=1 and <3 | 47 | 69 | 130 | 393 | 17 | 39 | 17 | 17 |
| >=3 and <5 | 51 | 98 | 219 | 498 | 19 | 35 | 21 | 27 |
| >=5 and <7 | 33 | 109 | 294 | 556 | 18 | 31 | 19 | 20 |
| >=7 | 74 | 197 | 409 | 591 | 79 | 132 | 43 | 30 |
| Emerging Market Corporate | | Median | Spreads | | | Bond (| Counts | |
| Duration | Α | Baa | Ba | В | Α | Baa | Ba | В |
| >=1 and <3 | 71 | 111 | 289 | 437 | 54 | 123 | 31 | 24 |
| >=3 and <5 | 76 | 145 | 342 | 547 | 64 | 89 | 30 | 22 |
| >=5 and <7 | 86 | 175 | 323 | 462 | 25 | 62 | 14 | 4 |
| >=7 | 134 | 221 | 461 | 569 | 50 | 120 | 13 | 2 |
| | | | | | | | | |

Source: Moody's

Figure 9: Emerging Markets Median Credit Spreads (3-5 year duration)



MEDIAN CREDIT SPREADS

Figure 10. Global Financial Institutions Median Credit Spreads

| Aaa 6 7 | Aa 29 | A 42 | Baa | Ba | В | Caa |
|---------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 | | 42 | | | D | Caa |
| 7 | 0.4 | 12 | 72 | 209 | 403 | - |
| | 34 | 50 | 91 | 210 | 545 | 568 |
| 13 | 23 | 56 | 109 | 269 | 383 | 495 |
| 11 | 37 | 92 | 146 | 214 | 452 | 327 |
| | | | Debt Counts | | | |
| Aaa | Aa | Α | Baa | Ba | В | Caa |
| 374 | 297 | 456 | 310 | 74 | 16 | - |
| 244 | 258 | 419 | 312 | 61 | 21 | 4 |
| 146 | 160 | 222 | 151 | 21 | 7 | 3 |
| 139 | 324 | 503 | 294 | 19 | 1 | 3 |
| | | | Issuer Counts | 6 | | |
| Aaa | Aa | Α | Baa | Ba | В | Caa |
| 31 | 94 | 169 | 167 | 45 | 14 | - |
| 34 | 91 | 169 | 162 | 38 | 20 | 4 |
| 30 | 75 | 98 | 92 | 17 | 7 | 3 |
| 33 | 96 | 167 | 121 | 12 | 1 | 2 |
| | Aaa 374 244 146 139 Aaa 31 34 30 | 13 23 11 37 Aaa Aa 374 297 244 258 146 160 139 324 Aaa Aa 31 94 34 91 30 75 | 13 23 56 11 37 92 Aaa A 374 297 456 244 258 419 146 160 222 139 324 503 Aaa A A 31 94 169 34 91 169 30 75 98 | 13 23 56 109 11 37 92 146 Debt Counts Aaa Aa Aaaa 374 297 456 310 244 258 419 312 146 160 222 151 139 324 503 294 Issuer Counts Aaa Aa Baa 31 94 169 167 34 91 169 162 30 75 98 92 | 13 23 56 109 269 11 37 92 146 214 Debt Counts Aaa Aa Aaa Baa Baa 374 297 456 310 74 244 258 419 312 61 146 160 222 151 21 139 324 503 294 19 Issuer Counts Aaa Aa Baa Ba 31 94 169 167 45 34 91 169 162 38 30 75 98 92 17 | 13 23 56 109 269 383 11 37 92 146 214 452 Debt Counts Aaa Aa A Baa Ba B 374 297 456 310 74 16 244 258 419 312 61 21 146 160 222 151 21 7 139 324 503 294 19 1 Issuer Counts Aaa Aa Aaa Baa Ba 31 94 169 167 45 14 34 91 169 162 38 20 30 75 98 92 17 7 |

Source: Moody's

Figure 11. Global Corporate Median Credit Spreads

| | | | N | dedian Spread | ds | | |
|---------------|-----|-----|------|---------------|-----|-----|-----|
| Duration | Aaa | Aa | Α | Baa | Ba | В | Caa |
| >=1 and <3 | 23 | 35 | 37 | 62 | 214 | 412 | 575 |
| >=3 and <5 | 17 | 36 | 43 | 69 | 255 | 409 | 545 |
| >=5 and <7 | 24 | 40 | 56 | 89 | 261 | 356 | 551 |
| >=7 | 62 | 91 | 106 | 140 | 258 | 387 | 369 |
| | | | | Debt Counts | | | |
| Duration | Aaa | Aa | Α | Baa | Ba | В | Caa |
| >=1 and <3 | 14 | 103 | 529 | 890 | 257 | 158 | 34 |
| >=3 and <5 | 10 | 129 | 543 | 1036 | 292 | 244 | 65 |
| >=5 and <7 | 7 | 88 | 404 | 804 | 223 | 175 | 48 |
| >=7 | 26 | 270 | 1519 | 2132 | 206 | 44 | 3 |
| | | | | Issuer Counts | S | | |
| Duration | Aaa | Aa | Α | Baa | Ba | В | Caa |
| >=1 and <3 | 4 | 48 | 262 | 520 | 189 | 127 | 31 |
| >=3 and <5 | 4 | 51 | 280 | 585 | 208 | 215 | 58 |
| >=5 and <7 | 4 | 38 | 222 | 492 | 167 | 146 | 46 |
| >=7 | 4 | 54 | 349 | 623 | 106 | 29 | 3 |
| irce: Moody's | | | | | | | |

Source: Moody's

MEDIAN 5-YEAR CDS SPREADS

Figure 12. Global Median CDS Spreads By Rating Category

| Global M | 1ed | ian S | pread: | s by | Fine | Rat | ing (| Categ | ory |
|----------|-----|-------|--------|------|------|-----|-------|-------|-----|
|----------|-----|-------|--------|------|------|-----|-------|-------|-----|

| Aaa | Aa1 | Aa2 | Aa3 | A 1 | A2 | A3 | Baa1 | Baa2 | |
|-----|------|-----|-----|------------|-----|-----|------|------|--|
| 16 | 23 | 33 | 35 | 37 | 39 | 44 | 51 | 58 | |
| | | | | | | | | | |
| | Baa3 | Ba1 | Ba2 | Ba3 | B1 | B2 | B3 | Caa | |
| | 82 | 116 | 164 | 207 | 262 | 332 | 404 | 712 | |

Global Median Spreads by Broad Rating Category

| Aaa | Aa | Α | Baa | Ba | В | Caa |
|-----|----|----|-----|-----|-----|-----|
| 22 | 33 | 39 | 58 | 164 | 332 | 599 |

Global Issuer Counts by Broad Rating Category

| A | aa | Aa | Α | Baa | Ba | В | Caa |
|---|----|----|-----|-----|----|----|-----|
| (| 9 | 49 | 172 | 342 | 94 | 44 | 27 |

Figure 13. Median CDS Spreads By Region

Median CDS Spreads

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|-----|-----|-----|
| North America | 22 | 33 | 39 | 58 | 168 | 316 | 555 |
| Europe | 8 | 27 | 36 | 58 | 137 | 223 | 550 |
| Asia Pacific (ex.Japan) | 16 | 27 | 50 | 75 | 118 | 315 | - |
| Japan | - | - | 24 | 32 | 45 | 63 | - |

Issuer Counts

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|----|----|-----|
| North America | 3 | 20 | 84 | 206 | 59 | 30 | 12 |
| Europe | 6 | 29 | 85 | 123 | 24 | 12 | 12 |
| Asia Pacific (ex.Japan) | 3 | 18 | 31 | 36 | 5 | 2 | - |
| Japan | - | - | 32 | 14 | 3 | 1 | - |

Source: Moody's, CMA

Figure 14. Global Median CDS Spreads by Sector

Median CDS Spreads

| Sector | Aaa | Aa | Α | Baa | Ba | В | Caa |
|------------|-----|----|----|-----|-----|-----|-----|
| Corporates | 25 | 31 | 35 | 57 | 164 | 240 | 651 |
| Financials | 10 | 29 | 42 | 64 | 173 | 373 | 314 |
| Sovereigns | 10 | 12 | 49 | 78 | 94 | 373 | 995 |
| Banks | - | 31 | 43 | 63 | 205 | 219 | 263 |

Issuer Counts

| Sector | Aaa | Aa | Α | Baa | Ba | В | Caa |
|------------|-----|----|-----|-----|----|----|-----|
| Corporates | 3 | 24 | 142 | 317 | 85 | 44 | 22 |
| Financials | 9 | 43 | 93 | 75 | 17 | 3 | 5 |
| Banks | - | 32 | 58 | 30 | 8 | 1 | 4 |
| Sovereigns | 9 | 7 | 6 | 13 | 4 | 1 | 1 |

Figure 15. Global Financial Institutions Median CDS Spreads by Region

Median CDS Spreads

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|-----|-----|-----|
| North America | 14 | 40 | 45 | 63 | 164 | 390 | - |
| Europe | 8 | 27 | 38 | 61 | 85 | 219 | 263 |
| Asia Pacific (ex.Japan) | 15 | 30 | 51 | 70 | 99 | 373 | - |
| Japan | - | - | 28 | 66 | - | - | - |

Issuer Counts

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|----|---|-----|
| North America | 1 | 7 | 24 | 24 | 6 | 1 | - |
| Europe | 6 | 23 | 43 | 30 | 4 | 1 | 4 |
| Asia Pacific (ex.Japan) | 2 | 13 | 14 | 12 | 3 | 1 | - |
| Japan | - | - | 11 | 2 | - | - | - |

Source: Moody's, CMA

Figure 16. Global Corporates Median CDS Spreads by Region

Median CDS Spreads

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|-----|-----|-----|
| North America | 23 | 32 | 37 | 58 | 168 | 311 | 555 |
| Europe | - | 26 | 36 | 56 | 146 | 227 | 625 |
| Asia Pacific (ex.Japan) | 29 | 24 | 50 | 75 | 138 | 257 | - |
| Japan | - | - | 22 | 29 | 45 | 63 | - |

Issuer Counts

| Region | Aaa | Aa | Α | Baa | Ba | В | Caa |
|-------------------------|-----|----|----|-----|----|----|-----|
| North America | 2 | 13 | 60 | 182 | 53 | 29 | 12 |
| Europe | - | 6 | 42 | 93 | 20 | 11 | 8 |
| Asia Pacific (ex.Japan) | 1 | 5 | 17 | 24 | 2 | 1 | - |
| Japan | - | - | 21 | 12 | 3 | 1 | - |

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