

運輸效率

(一) 列車

1. 列車次數：本年為 41 萬 2,874 次，較上年 42 萬 3,904 次，減少 1 萬 1,030 次；每日平均 1,131 次，較上年 1,161 次，減少 2.60%。
2. 列車公里：本年為 4,666 萬列車公里，較上年 4,668 萬列車公里，減少 1 萬 6,537 列車公里；每日平均 12 萬 7,848 列車公里，較上年 12 萬 7,893 列車公里，減少 0.04%。
3. 列車準點率：本年旅客列車準點率為 90.97%，較上年 91.78%，減少 0.81 個百分點。

(二) 客車

1. 客車公里：本年為 3 億 6,129 萬客車公里，較上年 3 億 5,937 萬客車公里，增加 192 萬客車公里；每日平均為 98 萬 9,831 客車公里，較上年 98 萬 4,566 客車公里，增加 0.53%。
2. 客座公里：本年為 168 億 5,054 萬客座公里，較上年 169 億 2,997 萬客座公里，減少 7,942 萬客座公里；每日平均 4,617 萬客座公里，較上年 4,638 萬客座公里，減少 0.47%。

(三) 貨車

1. 貨車公里：本年為 3,159 萬貨車公里，較上年 3,624 萬貨車公里，減少 466 萬貨車公里；每日平均 8 萬 6,538 貨車公里，較上年 9 萬 9,301 貨車公里，減少 12.85%。其中空車公里占貨車公里 49.92%，較上年 50.85%，減少 0.93 個百分點。
2. 每貨車平均週轉日數：本年為 1.30 天，較上年 1.31 天，減少 1.19%。
3. 每貨運列車公里平均載貨密度：本年為 184.48 噸，較上年 182.08 噸，增加 1.32%。

(四) 行車事故

1. 事故總件數：本年為 714 件，較上年 656 件，增加 58 件(8.84%)，其中責任事故 66 件，較上年 54 件，增加 12 件(22.22%)。
2. 事故類別：以車輛故障 345 件最多，占 48.32%，其次依序為運轉保

安裝置故障 128 件占 17.93%，其他事件 94 件占 13.17%，外物入侵 41 件占 5.74%，天然災變 35 件占 4.90%，死傷事故 25 件占 3.50%，其餘類別均在 3% 以下。

3.死傷人數：本年度行車事故死傷人數共 36 人，較去年減少 307 人，肇事原因分析，不由月台上下車 11 人占 30.56%，強越平交道及侵入路線淨空為 6 人各占 16.67%，行走路線 5 人占 13.89%，跨越路線 2 人占 5.56%，其他 3 人占 8.33%，其餘原因均在 3% 以下。

4.每百萬動力車公里平均事故件數：本年每百萬動力車行駛公里平均事故件數為 7.3 件，較上年 6.8 件增加 7.34%；其中責任事故平均為 0.7 件，較上年 0.6 件，增加 20.54%，占總件數 9.24%，較上年 8.23%，增加 1.01 個百分點。

Transportation efficiency

A. Train

- (A) Number of train operated: 412,874 times this year, a decrease of 11,030 times from 423,904 times in the previous year; the daily average was 1,131 times, which was a decrease of 2.60% from 1,161 times in the previous year.
- (B) Train operating kilometers: 46.66 million train kilometers this year, a decrease of 16,537 train kilometers from 46.68 million train kilometers in the previous year; the daily average was 127,848 train kilometers, which was a decrease of 0.04% from 127,893 train kilometers in the previous year.
- (C) Train punctuality: the passenger train punctuality was 90.97% this year, which was a decrease of 0.81 percentage points compared with 91.78% in the previous year.

B. Passenger train

- (A) Passenger car kilometers: 361.29 million passenger car kilometers this year, an increase of 1.92 million passenger car kilometers from 359.37 million passenger car kilometers in the previous year; the daily average was 989,831 passenger car kilometers, which was an increase of 0.53% from 984,566 passenger car kilometers in the previous year.
- (B) Seat kilometers: 16,850.54 million seat kilometers this year, a decrease of 79.42 million seat kilometers from 16,929.97 million seat kilometers in the previous year; the daily average was 46.17 million seat kilometers, which was a decrease of 0.47% from 46.38 million seat kilometers in the previous year.

C. Freight train

- (A) Freight car kilometers: 31.59 million freight car kilometers this year, a decrease of 4.66 million freight car kilometers from 36.24 million freight car kilometers in the previous year; the daily average was 86,538 freight car kilometers, which was a decrease of 12.85% from 99,301 freight car kilometers in the previous year. Among them, empty car-kilometers accounted for 49.92% of freight car kilometers, a decrease of 0.93 percentage points compared with 50.85% in the previous year.
- (B) Operating day per operating freight car: 1.30 days this year, a decrease of 1.19% from 1.31 days in the previous year.
- (C) Average freight density per freight train-km: 184.48 metric tons this year, an increase of 1.32% from 182.08 metric tons in the previous year.

D. Railway accident

- (A) Total number of accidents: 714 accidents this year, an increase of 58 cases (8.84%) from 656 cases in the previous year, of which 66 cases were operational accidents, which was an increase of 12 cases (22.22%) from 54 cases in the previous year.

- (B) Type of accidents: vehicle breakdown accounted for 345 cases or 48.32%, followed by operation of the security devices failures 128 cases accounted for 17.93%, other events 94 cases accounted for 13.17%, invasion of object 41 cases accounted for 5.74%, natural disaster 35 cases accounted for 4.90%, casualties accident 25 cases accounted for 3.50%, and the remaining categories were all below 3%.
- (C) Number of casualties: 36 people were killed or injured in railway accidents this year, a decrease of 307 people compared with last year. Analysis of the cause showed that 11 accidents occurred when passengers boarding or alighting off the platform (30.56%), trespass at the level crossing and restricted areas each accounted for 16.67%, 5 cases of walking on the route accounted for 13.89%, 2 crossing the route accounted for 5.56%, the other 3 accounted for 8.33%, while the remaining causes were below 3%.
- (D) Number of accidents per million rolling stock kilometers: 7.3 cases this year, an increase of 7.34% from 6.8 cases in the previous year. The average cases of operational accidents were 0.7, an increase of 20.54% from 0.6 cases in the previous year, accounted for 9.24% of the total cases of accidents, an increase of 1.01 percentage points compared with 8.23% in the previous year.